Meeting Summary and Minutes

Friday, June 8, 2018, 10:00 – 12:00
Seminar room #1, AICT, Yongin-si, Gyeonggi-do, Korea

TC Chapter Announcements
None

Next TC Chapter Meeting
Oct 19, 2018 16:00 – 18:00, Jeju-si, Korea

Table 1 Meeting Attendees
*Italics* indicate virtual participants

<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>Amkor</td>
<td>Yun</td>
<td>Deukyoung</td>
<td>Linkgenesis</td>
<td>Cha</td>
<td>Kyoughwan</td>
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<tr>
<td>ASE</td>
<td>Lee</td>
<td>Doowon</td>
<td>Linkgenesis</td>
<td>Kim</td>
<td>Byeonghee</td>
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<tr>
<td>ASM</td>
<td>Jung</td>
<td>Il Gun</td>
<td>Miracom Inc</td>
<td>Lim</td>
<td>Louis</td>
</tr>
<tr>
<td>ASM</td>
<td>Kim</td>
<td>Risson</td>
<td>SK hynix</td>
<td>Ahn</td>
<td>Chulhong</td>
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<tr>
<td>ASM</td>
<td>Shim</td>
<td>Jongsub</td>
<td>SK hynix</td>
<td>Cho</td>
<td>Gookil</td>
</tr>
<tr>
<td>Doople</td>
<td>Kim</td>
<td>Hyungsu</td>
<td>Tokyo Electron Korea</td>
<td>Im</td>
<td>Byoungmin</td>
</tr>
</tbody>
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Table 2 Leadership Changes
None

Table 3 Ballot Results
None

Table 4 Authorized Activities
None

Table 5 Authorized Ballots

<table>
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<th>#</th>
<th>When</th>
<th>SC/TF/WG</th>
<th>Details</th>
</tr>
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<tr>
<td>4946E</td>
<td>Cycle 6, 2018</td>
<td>GEM300 TF</td>
<td>Line Item Revisions to SEMI E87-1017, Specification for Carrier Management (Cms) and E87.1-1017 Specification for SECS-II Protocol for Carrier Management (CMS); Adding Carrier Ready to Unload Prediction Feature</td>
</tr>
<tr>
<td>5832C</td>
<td>Cycle 7, 2018</td>
<td>GEM300 TF</td>
<td>New Standard, Specification for Equipment Generic Counter Model</td>
</tr>
<tr>
<td>6301B</td>
<td>Cycle 6, 2018</td>
<td>ABFI TF</td>
<td>Line Item Revision to E142-0211(Reapproved 1016) Specification for Substrate Mapping: Adding packaging raw materials traceability method</td>
</tr>
</tbody>
</table>
Welcome, Reminders, and Introductions

Ahn (SK hynix) called the meeting to order at 10:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 01, Meeting Reminders

Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion: Approve the previous meeting minutes with Editorial Change
By / 2nd: Byoungmin Im(TEL)/ Hyungsu Kim(Doople)
Discussion: None
Vote: 10-0, Motion Carried

Attachment: 02, Previous Meeting Minutes

Liaison Reports

NOTE 1: Please refer the attachment for details.

Information & Control Japan TC Chapter

Natalie Shim reported for the I&C Japan TC Chapter. Of note:

3.1.1 Announcement
- SECS/GEM tutorial on June 26 and GEM300 tutorial on June 27.

3.1.2 Document Review Summary

3.1.2.1 Failed
- 6300 (New Standard, Guide for EDA Freeze Version) Failed

3.1.2.2 Passed
- Line Item 1 of 6319 (Line Item Revision to SEMI E87-1017, Specification for Carrier Management(CMS)) passed
- Line Item 1 and 2 of 6330 (Line Item Revision to SEMI E54.17-0812, Specification of Sensor Actuator Network for A-Link)
- Line Item 1 and 2 of 6331 (Line Item Revisions to SEMI E54.19-0308 (Reapproved 0614) Specification of Sensor/Actuator Network for MECHATROLINK)

3.1.3 Newly Authorized Activities
• SNARF 6330 (Line Item Revisions to E54.17 Specification of Sensor Actuator Network for A-Link)
• SNARF 6331 (Line Item Revisions to E54.19 Specification of Sensor Actuator Network for MECHATROLINK)
• SNARF 6374 (Line-Item Revision to SEMI E54.21: Specification for Sensor Actuator Network for Motionnet Communication)
• SNARF 6376 (Line-Item Revision to SEMI E54.12: Specification for Sensor/Actuator Network Communications for CC-Link)
• SNARF 6377 (Line-Item Revision to SEMI E5-1217: SEMI EQUIPMENT COMMUNICATIONS STANDARD 2 MESSAGE CONTENT (SECS-II))
• Cycle 5 of Doc. 6374 (Line-Item Revision to SEMI E54.21: Specification for Sensor Actuator Network for Motionnet Communication)
• Cycle 5 of Doc. 6376 (Line-Item Revision to SEMI E54.12: Specification for Sensor/Actuator Network Communications for CC-Link)
• Cycle 5 of Doc. 6377 (Line-Item Revision to SEMI E5-1217: SEMI EQUIPMENT COMMUNICATIONS STANDARD 2 MESSAGE CONTENT (SECS-II))
• Cycle 5 of Doc. 6300A (New Standard, Guide for EDA Freeze Version)

3.1.4 Next meeting Schedule
• Friday, July 27, 2018 at SEMI Japan Office, Tokyo, Japan

Attachment: 03, I&C Japan TC Chapter Liaison report

3.2 North America TC Chapter
Natalie Shim reported for the I&C Japan TC Chapter. Of note:

3.2.1 Announcement
• Crhis Maloney (Intel) is appointed as GEM 300 TF new leader

3.2.2 Document Review Summary (Cycle 2, 2018)

3.2.2.1 Passed
• Line Item 1 of 6336 (Line Item Revision to SEMI E138, Specification for XML Semiconductor Common Components)
• Line Item 2 of 6337 (Line Item Revision to SEMI E132, Specification for Client Authentication and Authorization)
• Line Item 3 6337 (Line Item Revision to SEMI E132, Specification for Client Authentication and Authorization)
• 6350 (Revision to E37, High-Speed SECS Message Services (HSMS) Generic Services)

3.2.2.2 Failed
• 6114A (Line Item Revision to SEMI E5, SEMI Equipment Communications Standard 2 Message Contents (SECS-II))
• Line Item 2 of 6336 (Line-Item Revision to SEMI E138, Specification for XML Semiconductor Common Components)
3.2.3 Newly Authorized Activities

- Line Item 1 of 6337 (Line Item Revision to SEMI E132, Specification for Client Authentication and Authorization)
- 6349 (Revision to E37, High-Speed SECS Message Services (HSMS) Generic Services)

3.2.4 Next Meetings Schedule

- SNARF 6350 (Revision to E37: High Speed SECS Message Services (HSMS) Generic Services)
- SNARF 6349 (Revision to E37.1: High Speed SECS Message Services Single-Selected Session Mode (HSMS-SS or HSMS-SSS))
- SNARF 6346 (Line-item Revision to E138: XML Semiconductor Common Components)
- SNARF XXXX (Revision to SEMI E30, Specification for the Generic Model for Communications and Control of Manufacturing Equipment (GEM))
- SNARF XXXX (Line-item Revision to SEMI E133, Specification for Automated Process Control Systems Interface and E133.1 Specification for XML messaging for Process Control Systems (PCS))
- SNARF XXXX (Reapproval to SEMI E90-0312, Specification for Substrate Tracking)
- SNARF XXXX (Line-item Revision to SEMI E40-0813, Standard for Processing Management, to correct nonconforming title)
- SNARF XXXX (Line-item Revision to SEMI E40.1-0813, SECS-II Support for Processing Management Standard, to correct nonconforming title)
- SNARF XXXX (Line-item Revision to SEMI E39-0703, Object Services Standard: Concepts, Behavior, And Services, to correct nonconforming title)
- SNARF XXXX (Line-item Revision to SEMI E39.1-0703, SECS-II Protocol for Object Services Standard (OSS), to correct nonconforming title)
- Cycle 5 of XXXX (Revision to SEMI E30, Specification for the Generic Model For Communications and Control of Manufacturing Equipment (GEM))
- Cycle 5 of Doc. XXXX (Reapproval to SEMI E90-0312, Specification for Substrate Tracking)
- Cycle 5 of Doc. XXXX (Line-item Revision to SEMI E40-0813, Standard for Processing Management, to correct nonconforming title)
- Cycle 5 of Doc. XXXX (Line-item Revision to SEMI E40.1-0813, SECS-II Support for Processing Management Standard, to correct nonconforming title)
- Cycle 5 of Doc. XXXX (Line-item Revision to SEMI E39-0703, Object Services Standard: Concepts, Behavior, And Services, to correct nonconforming title)
- Cycle 5 of Doc. XXXX (Line-item Revision to SEMI E39.1-0703, SECS-II Protocol for Object Services Standard (OSS), to correct nonconforming title)
- Cycle 5 of Doc. XXXX (Revision to E37.1, High-Speed SECS Message Services Single Selected-Session Mode (HSMS-SS OR HSMS-SSS))
- Cycle 5 of Doc. XXXX (Line-item Revision to SEMI E5-0813, SEMI Equipment Communications Standard 2 Message Content (SECS-II)
- Cycle 5 of Doc. XXXX (Line-item Revision to SEMI E133, Specification for Automated Process Control Systems Interface and E133.1 Specification for XML messaging for Process Control Systems (PCS))
- Cycle 5 of Doc. XXXX (SEMI E125, Specification for Equipment Self Description (EqSD))
- Cycle 5 of Doc. XXXX (Line-item Revision to SEMI E54.23-0513, Specification for Sensor/Actuator Network Communications for CC-Link IE Field Network)
3.3 I&C Taiwan TC Chapter
Natalie Shim reported for the I&C Taiwan TC Chapter. Of note:
3.3.1 Next Meeting Schedule
- September 2018 at Hsinchu, Taiwan

Attachment: 05, I&C Taiwan TC Chapter Liaison report

3.4 SEMI Staff Report
Natalie Shim gave the SEMI Staff Report. Of note:
- SEMI Global 2018 events
- Critical dates
- Minority Report Handling Process

Attachment: 06, SEMI Staff report

4 Ballot Review
No Ballot Review

5 Subcommittee and Task Force Reports
5.1 GEM300 TF
5.1.1 Minority report of R4946D (Line Item Revision to E87-0312, Specification for Carrier Management (CMS) and E87.1-1017, Specification for SECS-II Protocol for Carrier Management (CMS), Adding Carrier Ready to Unload Prediction Feature)

5.1.2 Mitch Sakamoto summarized his minority report to the committee and made compromised suggestion. As a result, 4946 will keep the current concept and format which is modifying exiting sections rather than creating new section. Mitch Sakamoto will support technical writing. 4946E authorized cycle 6 of 2018.

Motion: Fail R4946D and authorize 4946E for cycle 6, 2018
By / 2nd: Byoungmin Im(TEL)/ Hyungsu Kim(Doople)
Discussion: None
Vote: 11-0, Motion Carried

Attachment: 07, R4946D Minority report summary (Mitch Sakamoto)

5.2 DDA TF
5.2.1 Hyungsu Kim (Doople) reported the coordinating status with NA DDA TF. The details will be reported after NA Fall meeting.

6 Old Business
None
7 New Business

None

8 Next Meeting and Adjournment

The next meeting is scheduled for October 19 in Jeju, Korea. 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:

<name>
<title>
SEMI <region>
Phone: <#>
Email: <address>

Minutes approved by:

Chulhong Ahn (SK Hynix), Co-chair  <Date approved>
Hyungsu Kim (Doople), Co-chair  <Date approved>
Kevin Lee (Lam Research), Co-chair  <Date approved>

Table 8 Index of Available Attachments†

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<td>06, SEMI Staff report</td>
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<td>07, R4946D Minority Report</td>
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† 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.