

Korea Information and Control Committee Meeting Summary and Minutes

13:00 – 15:00, Friday, July 19, 2013
#4205, SEMI Korea office, Seoul

Next Committee Meeting
Friday November 8, 2013
SEMI Korea Office, Seoul

Committee Announcements

None

Table 1 Meeting Attendees

Co-Chairs: Chulhong Ahn (SK hynix), Kevin Lee (Miracom), Hyungsu Kim (Samsung SDS)

SEMI Staff: Natalie Shim

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
KISA	Donghyun	Kim	SK hynix	Chul Hong	Ahn
Kodi-S	Jin Soo	Jung	SK hynix	Yoo Ho	Choi
Miracom	Kevin	Lee	TEL Korea	Byoung Min	Im
Samsung SDS	Hyungsu	Kim			

Table 2 Leadership Changes

None

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.

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
*Cycle 3		
5320B	Line Item Revision to SEMI E116-0707 ^E , Specification for Equipment Performance Tracking	Failed and returned to the task force for rework

Table 4 Authorized Ballots

<i>#</i>	<i>When</i>	<i>SC/TF/WG</i>	<i>Details</i>
4946B	Cycle 6, 2013	GEM300 TF	Line Item Revision to SEMI E87-0709, Specification for Carrier Management, CMS and SEMI E87.1-0707

Table 5 Authorized Activities

None

Table 6 New Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
20130719-1	Natalie Shim	Arrange GEM300 TF meeting on July 30
20130719-2	Natalie Shim	Inform to NA GEM300 TF that Kevin Lee (Miracom) is the representative of Korea I&C TC chapter for the SML working group activity.

Previous Meeting Actions Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>	<i>Status</i>
20130419-1	Natalie Shim	Get more information about Doc 5538 from Japan I&CC and distribute to the committee members	Close
20130419-2	Natalie Shim	Check the activities status about PCS TF under NA I&CC and report it to the committee	Close
20130419-3	Natalie Shim	Check about back-end related standards activities in SEMI and report it to the committee	Close
20130419-4	Natalie Shim	Check the SML Notation status & impact and report it to the committee	Close
20130419-5	Natalie Shim	Check password resetting system status at semi website.	Open

1 Welcome, Reminders, and Introductions

Chulhong Ahn (SK hynix) called the meeting to order at 13:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 01, SEMI Standards Required Meeting Elements

2 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting held April 19.

Motion: Approve the minutes of the previous meeting with editorial changes

By / 2nd: Hyungsu Kim(Samsung SDS)/ YooHo Choi(SK hynix)

Discussion: None

Vote: 6-0 in favor. Motion carried.

Attachment: 02, Korea I&CC previous meeting minutes

3 Liaison Reports

3.1 Japan Information & Control Committee

Natalie Shim presented the Japan I&C Committee report. Of note:

- Leadership Changes
 - Mitsuhiro Matsuda (Hitachi Kokusai Electric) and Hideaki Ogihara (Algo System) were appointed co-leader of the Maintenance Task Force.
- Upcoming ballots to be reviewed at SEMICON Japan 2013 meetings
 - # 5486 – New Standard: Specification for Predictive Carrier Logistic Information from Equipment to be used for Predictive Carrier Logistics Management
 - # 5615 – Revision to SEMI E98-0309 Provisional Specification for Object-based Equipment Model and SEMI E98.1-1102 (Reapproved 0309) Provisional Specification for SECS-II Protocol for the Object-based Equipment Model
 - # 5538 – New Standard: Specification for Production Recipe Cache mechanism to be used for Production Recipe Protection and Synchronization between

- # 5602 – Reapproval for SEMI E54.19-0308 Specification for Sensor/Actuator Network for MECHATROLINK
 - # 5603 – Revision to SEMI E54.12-0701E(Reapproved 1211): Specification for Sensor/Actuator Network Communications for CC-Link
 - Approved SNARFs
 - # 5600 – Line item Revision to SEMI E5: SEMI Equipment Communications Standards 2 Message Contents (SECS- II), SEMI E40: Standard for Processing Management and E40.1: SECS- II Support for Processing Management Standard, the Removal of Inconsistencies.
 - # 5601 – New Standard: Specification for Wafer Object Model
 - # 5602 – Reapproval for SEMI E54.19-0308 Specification for Sensor/Actuator Network for MECHATROLINK
 - # 5603 – Revision to SEMI E54.12-0701E(Reapproved 1211): Specification for Sensor/Actuator Network Communications for CC-Link
 - # 5615 – Revision to SEMI E98-0309 Provisional Specification for Object-Based Equipment Model and SEMI E98.1-1102 (Reapproved 0309) Provisional Specification for SECS- II Protocol for the object –Based Equipment Model. (*It is approved by Global Coordinate Subcommittee in July)
 - GEM 300 TF
 - Collaboration with NA GEM300 TF for Doc. 5454 Alarm Category
 - Japan I&CC Maintenance TF (newly formed)
 - Charter: Maintain I&CC Standards which are owned by Japan TC chapter and do not have dedicated TF.
 - Scope: Revision activities for standards which are owned by Japan I&CC and do not have dedicated TFs.
 - Leaders:
 - Mitsuhiro Matsuda (Hitachi Kokusai Electric)
 - Hideaki Ogihara (Algo System)
 - # XXXX, Revision to SEMI E98: Provisional Specification for Object-based Equipment Model and SEMI E98.1: Provisional Specification for SECS- II Protocol for the Object-based Equipment Model
 - Next meeting: September 19, 2013 at SEMI Japan Office, Tokyo
- Attachment:** 03, Japan Information & Control Committee Liaison Report

3.2 North America Information & Control Committee

Natalie Shim presented the North America Information & Control Committee report. Of note:

- Document Review Summary
 - #5411B [New Standard: Specification for Equipment Energy Saving Mode Communications (EESM)] passed as balloted.
 - #5453A [Revision to Add a New Subordinate Standard: Specification for SECS-II Protocol for Equipment Energy Saving Mode to SEMI Draft Document 5411A, New Standard: Specification for Equipment Energy Saving Mode Communications (EESM)] passed as balloted.
- Approved SNARFs

- #5618, New Standard: Specification for Preservation of Recipe Integrity
- #5619, Revision to SEMI E30, Generic Model for Communications and Control of Manufacturing Equipment (GEM) and New Complimentary File: SECS-II Equipment Data Template
- #5620, Revision to SEMI E30, Generic Model for Communications and Control of Manufacturing Equipment (GEM) and New Complimentary File: SECS-II Message Notation using XML
- #5510, Revision to E157, Specification for Module Process Tracking
- Upcoming ballots to be reviewed at NA Fall 2013 Meetings
 - # 5274B (New SEMI E54 Subordinate Standard: Specification for Sensor/Actuator Network Specific Device Model for Generic Equipment add-on Sensor (ADDON))
 - # 5507 (Revisions to
 - SEMI E120, Specification for the Common Equipment Model (CEM),
 - SEMI E120.1, XML Schema for the Common Equipment Model (CEM),
 - SEMI E125, Specification for Equipment Self Description (EqSD),
 - SEMI E125.1, Specification for SOAP Binding for Equipment Self Description (EQSD),
 - SEMI E128, Specification for XML Message Structures,
 - SEMI E132, Specification for Equipment Client Authentication and Authorization
 - SEMI E132.1, Specification for SOAP Binding for Equipment Client Authentication and Authorization (ECA),
 - SEMI E134, Specification for Data Collection Management
 - SEMI E134.1, Specification for SOAP Binding of Data Collection Management (DCM),
 - SEMI E138, XML Semiconductor Common Components
 - SEMI E145, Classification for Measurement Unit Symbols in XML
 - SEMI E164, Specification for EDA Common Metadata
 - #5454C (Line Item Revisions to SEMI E30-0611, Generic Equipment Model (GEM) Standard and SEMI E5-0712, SEMI Equipment Communications Standard 2 Message Content (SECS-II)).
 - #5509B (Revision to SEMI E94, Specification for Control Job Management, Clarify the entry for the definition of Alarms)
 - #5589 (Revisions to:
 - SEMI E30, Generic Model for Communications and Control of Manufacturing Equipment (GEM))
 - SEMI E30.1, Inspection and Review Specific Equipment Model (ISEM)
 - SEMI E82, Specification for Interbay/Intrabay AMHS SEM (IBSEM)
 - SEMI E88, Specification for AMHS Storage SEM (Stocker SEM)
 - SEMI E91, Specification for Prober Specific Equipment Model (PSEM)
 - SEMI E122, Standard for Tester Equipment Specific Equipment Model (TSEM)
 - SEMI E123.1, Specification for SECS-II Protocol for Handler Specific Equipment Model (HSEM).

- #5619 (Revision to SEMI E30, Generic Model for Communications and Control of Manufacturing Equipment (GEM) and New Complimentary File: SECS- II)
 - Process Control Systems (PCS) TF
 - The task force plans to revise E133 to recognize the use of Complementary Files (and Various Materials, as applicable).
 - GEM300 TF
 - SECS Message Language (SML) Notation Copyright Update
 - At the SEMI Spring Meetings in 2013, PEER Group reported a claim that they have copyright on SML Notation published in E30.
 - SEMI cannot publish approved E30 revision ballots (e.g., Document 5481) until this matter is resolved.
 - PEER Group has published a definition of SML on their website and documents the conditions of a royalty free license.
 - The Information & Control Committee must decide whether or not E30 reproduces copyrighted material.
 - Vote expected at the NA Standards Fall 2013 meetings.
 - NA I&CC intends to form an informal working group to bring a recommendation to the I&CC.
 - During its review, PEER Group discovered that SML is used in various other standards that could be affected.
 - Next meetings: October 30 for NA Fall 2013 Meetings at San Jose, CA
- Action Item:** 20130719-1, Inform to NA GEM300 TF that Kevin Lee has been assigned for the SML working group from Korea.
- Attachment:** 04, North America Information & Control Committee Liaison Report

3.3 SEMI Staff Report

Natalie Shim gave the SEMI Staff Report. Of note:

- Current SEMI Standards Highlights
 - Seventeen 450mm-related Standards published, 14 more in progress.
 - Five 3D-IC Standards published.
 - 49 PV Standards published.
 - Two HB-LED Standards published.
- Global Calendar of Events
 - SEMICON Taiwan (September 4-6, 2013 at Taipei)
 - SEMICON Europe (October 8-10, 2013 at Dresden, Germany)
 - SEMICON Japan (December 4-6, 2013, Chiba)
 - SEMICON Korea (February 12-14, 2013, Seoul)
- 2013 Critical Dates update
 - Cycle 5 (Ballot submission by July 18, voting period: July 29 – August 28)
 - Cycle 6 (Ballot submission by August 15, voting period: August 29 – September 30)

- Cycle 8 (Ballot submission by October 16, voting period: October 23 – November 22)
- ISC approved cycle 8 creation on July 11 at SEMICON West 2013.
- SEMI Standards Publications (June 2013 cycle)
 - New Standards: 10
 - Revised Standards: 2
 - Reapproved Standards: 4
 - Withdrawn Standards: 0
 - Total SEMI Standards in portfolio: 887 (Includes 94 Inactive Standards)

Attachment: 05, Staff Report

4 Ballot Review

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.

NOTE 1: Committee adjudication on Cycle 3 is detailed in the Audits & Reviews (A&R) Subcommittee Forms for procedural review. This A&R form is available as attachments to these minutes. The attachment number for each document is provided below the summary table.

4.1 Cycle 3 Ballot

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
5320B	Line Item Revision to SEMI E116-0707 ^E , Specification for Equipment Performance Tracking	Failed and sent to TF for rework.

Attachment: 06, 5320B A&R report

NOTICE: This document met the 90% approval condition set forth in Section 9.6.3 of the *Regulations Governing SEMI Standards Committees* at the close of balloting.

5 Subcommittee & Task Force Reports

5.1 GEM300 task force

The task force leaders summarized the GEM300 task force meeting result by verbally. Of note:

- Meeting information
 - Last meeting: April 5 at TEL Korea
 - Next meeting: July 29 @ TEL Korea, Huasung si, Gyeonggi do
- The task force reviewed Doc.5320B and decided to fail it. Because of the author absence, the committee didn't take further action on this document.

Motion: Fail 5320B and return it to the task force for rework.

By / 2nd: Jin-soo Jung (Kodi-s)/ Byoung Min Im (TEL Korea)

Discussion: To accelerate the standardization process, the committee recommends calling a task force meeting and gets consensus among the task force members. Also to have consistence between SNARF and the documents the scope and the title of the SNARF should be

revised. E116.1 revision also needs to be included in SNARF

Vote: 5-0, Motion Carried

- Byoung Min Im and Hyungsu Kim updated 4946A reject comments review result and introduced 4946B draft. Task force submitted 4946B ballot at cycle 6, 2013.

Motion: Approve 4946B at cycle 6, 2013

By / 2nd: Byoung Min Im (TEL Korea)/ Hyungsu Kim (Samsung SDS)

Discussion:None

Vote: 5-0, Motion Carried

5.2 DDA task force

No update

6 Old Business

None

7 New Business

None

8 Action Item Review

8.1 *Open Action Items*

Some committee members addressed password resetting problem issue on semi website but it was not clearly defined yet. SEMI needs monitoring the system for further action.

8.2 *New Action Items*

Natalie Shim 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 Korea I&C committee is scheduled for November 8, 2013 at SEMI Korea office, Seoul



Respectfully submitted by:
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Minutes approved by:

Chul Hong Ahn (SK Hynix), Co-chair	<Date approved>
Kevin Lee (Miracom), Co-chair	<Date approved>
Hyungsu Kim (Samsung SDS), Co-chair	<Date approved>

Table 7 Index of Available Attachments #1

#	<i>Title</i>	#	<i>Title</i>
01	SEMI Standards Required Meeting Elements	04	NA I&CC liaison report
02	Korea I&CC previous meeting minutes	05	Staff Report
03	Japan I&CC liaison report	06	5320B A&R Report

#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.