



## Information & Control Korea TC Chapter

### 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

**Co-Chairs:** Hyungsu Kim (Doople)/ Chulhong Ahn (SK hynix), Kelvin Lee (Lam Research)

**SEMI Staff:** Natalie Shim

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Amkor	Yun	Deukyoung	Linkgenesis	Cha	<i>Kyoungwan</i>
ASE	Lee	Doowon	Linkgenesis	Kim	Byeonghee
ASM	Jung	Il Gun	Miracom Inc	Lim	Louis
ASM	Kim	Risson	SK hynix	Ahn	Chulhong
ASM	Shim	Jongsub	SK hynix	Cho	Gookil
Doople	Kim	Hyungsu	Tokyo Electron Korea	Im	Byoungmin

#### Table 2 Leadership Changes

None

#### Table 3 Ballot Results

None

#### Table 4 Authorized Activities

None

#### Table 5 Authorized Ballots

#	<i>When</i>	<i>SC/TF/WG</i>	<i>Details</i>
4946E	Cycle 6, 2018	GEM300 TF	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
5832C	Cycle 7, 2018	GEM300 TF	New Standard, Specification for Equipment Generic Counter Model
6301B	Cycle 6, 2018	ABFI TF	Line Item Revision to E142-0211(Reapproved 1016) Specification for Substrate Mapping: Adding packaging raw materials traceability method



**Table 6 New Action Items**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
20180608-1	Natalie Shim	Report 4947D MR Review result to related regional leaders.

**Table 7 Previous Meeting Action Items**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
20180201-1	Natalie Shim	Update 6319 (Line Item Revision to E87) activities to Korea GEM300 TF.
20180201-2	Natalie Shim	Update & Share SEMI Smart Manufacturing Group activities to Korea I&C TC Chapter for further collaboration

### **1 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

### **2 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 / 2<sup>nd</sup>:** Byoungmin Im(TEL)/ Hyungsu Kim(Doople)

**Discussion:** None

**Vote:** 10-0, Motion Carried

**Attachment:** 02, Previous Meeting Minutes

### **3 Liaison Reports**

NOTE 1: Please refer the attachment for details.

#### *3.1 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 6375 (Revision to SEMI E170-1217: Specification for Secured Foundation of Recipe Management System (SFORMS), SEMI E170.1-1217: Specification for SECS-II Protocol for Secured Foundation of Recipe Management System)
- 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. 6375 (Revision to SEMI E170-1217: Specification for Secured Foundation of Recipe Management System (SFORMS), SEMI E170.1-1217: Specification for SECS-II Protocol for Secured Foundation of Recipe Management System)
- 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)



- 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)

### 3.2.3 Newly Authorized Activities

- 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 titl)
- 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)

### 3.2.4 Next Meetings schedule



- July 11, 2018 at SEMICON West 2018 Meetings, SF, CA

**Attachment:** 04, I&C North America TC Chapter Liaison report

### 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 / 2<sup>nd</sup>:** Byoungmin Im(TEL)/ Hyungsu Kim(Doople)

**Discussion:** None

**Vote:** 11-0, Motion Carried

**Action Item:** XXXX-XX,

**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<sup>#1</sup>**

<i>Title</i>	<i>Title</i>
Title	Title
01, Meeting Reminders	05, Taiwan Liaison report
02, Previous Meeting Minutes	06, SEMI Staff report
03, Japan Liaison report	07, R4946D Minority Report
04, North America Liaison report	

<sup>#1</sup> 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.