

## Japan I&C Committee Meeting Summary and Minutes

Japan Standards Summer 2013 Meetings  
June 19, 2013, 2:00 p.m. - 5:40 p.m.  
JPR Conference Room 1+2, SEMI Japan, Tokyo

### Next Committee Meeting

Thursday, September 19, 2013, 1:30 p.m. - 5:00 p.m. Japan Standard Time  
Japan Standards Fall 2013 Meeting, Tokyo, Japan

### Table 1 Meeting Attendees

*Italics indicate virtual participants*

**Co-Chairs:** Takayuki Nishimura (Dainippon Screen Mfg.), Mitsuhiro Matsuda (Hitachi Kokusai Electric)

**SEMI Staff:** Chie Yanagisawa

**Attendee:** 18 + **SEMI:** 1

<b>Company</b>	<b>Last</b>	<b>First</b>	<b>Company</b>	<b>Last</b>	<b>First</b>
Algo System	Ogihara	Hideaki	IBM Japan Services Company	Hirouchi	Masahide
Canon Anelva	Sato	Mitsugu	Tokyo Electron	Asakawa	Terry
Dainippon Screen Mfg.	Nishimura	Takayuki	Tokyo Electron	Mochizuki	Tadashi
Dainippon Screen Mfg.	Takasaki	Yoshihisa	Tokyo Electron	Murata	Naoko
F.B Consult	Somei	Tadashi	Tokyo Electron	Sakamoto	Mitch
Hitachi High Technologies	Toyoshima	Yuko	Tokyo Seimitsu	Sasaki	Mie
Hitachi Kokusai Electric	Matsuda	Mitsuhiro	VEC	Murakami	Tadashi
Midoriya Electric	Takahashi	Kazuo	Yokogawa Solution Service	Nakagawa	Takashi
<i>Murata Machinery</i>	<i>Kondo</i>	<i>Hiroshi</i>			
Murata Machinery	Yamamoto	Makoto	SEMI Japan	Yanagisawa	Chie

### Table 2 Leadership Changes

<b>Group</b>	<b>Previous Leader</b>	<b>New Leader</b>
None		

### Table 3 Ballot Results (or move to Section 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.

<b>Document #</b>	<b>Document Title</b>	<b>Committee Action</b>
None		

### Table 4 Authorized Ballots (or move to Section 7, New Business)

<b>#</b>	<b>When</b>	<b>SCITFI/WG</b>	<b>Details</b>
5422A	Cycle 6	Equipment Information System Security (EISS) TF	New Standard: Guide for Equipment Information System Security
5538	Cycle 5 or 6	GEM300 TF	New Standard: Specification for Production Recipe Cache (PRC)
5602	Cycle 5 or 6	Sensor Bus TF	Reapproval for SEMI E54.19-0308: Specification for Sensor/Actuator Network for MECHATROLINK
5603	Cycle 5 or 6	Sensor Bus TF	Revision to SEMI E54.12-0701E (Reapproved 1211): Specification for Sensor/Actuator Network Communications for CC-Link

**Table 4 Authorized Ballots (or move to Section 7, New Business)**

#	When	SC/TF/WG	Details
5486	Cycle 5	Predictive Carrier Logistics (PCL) TF	New Standard: Specification for Predictive Carrier Logistics Information from Equipment to be used for Predictive Carrier Logistics Management (PCL)

**Table 5 Authorized Activities (or move to Section 7, New Business)**

#	Type	SC/TF/WG	Details
5600	SNARF	GEM300 TF	Line-item Revision to SEMI E5: SEMI Equipment Communications Standard 2 Message Content (SECS-II), SEMI E40: Standard for Processing Management and E40.1: SECS-II Support for Processing Management Standard, the Removal of inconsistencies
5601	SNARF	GEM300 TF	New Standard: Specification for Wafer Object Model
5602	SNARF	Sensor Bus TF	Reapproval for SEMI E54.19-0308: Specification for Sensor/Actuator Network for MECHATROLINK
5603	SNARF	Sensor Bus TF	Revision to SEMI E54.12-0701E (Reapproved 1211): Specification for Sensor/Actuator Network Communications for CC-Link

Note: SNARFs and TFOFs are available for review on the SEMI Web site at:

<http://downloads.semi.org/web/wstdsbal.nsf/TFOFSNARF>

**Table 6 New Action Items (or move to Section 8, Action Item Review)**

Item #	Assigned to	Details
1	Chie Yanagisawa	To ask Korea Staff for revising the Korea Liaison Report for Japan Information & Control Committee on June.19, 2013.
2	Mitsuhiro Matsuda	To draft the TFOF for the Japan I&C Maintenance Task Force and to propose it to the I&C GCS for approval
3	Mitsuhiro Matsuda	To propose the SNARF for Revision to SEMI E98-0309 "Provisional Standard for the Object-Based Equipment Model (OBEM)" and SEMI E98.1-1102 (Reapproved 0309) "Provisional Specification for SECS-II Protocol for the Object-Based Equipment Model" to the I&C GCS for approval

**Table 7 Previous Meeting Actions Items (or move to Section 8, Action item Review)**

Item #	Assigned to	Details
1	SEMI Staff	To inactivate SNARF 5367 => Done.
2	Hideaki Ogihara	To consider whether or not SEMI E98-0309 should be revised or reapproved => Done.
3	Sensor Bus TF	To consider whether or not SEMI E54.19-0308 should be revised or reapproved => Done.

## 1 Welcome, Reminders, and Introductions

Takayuki Nishimura (Dainippon Screen Mfg.), co-chair, called the meeting to order at 14:00. 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\_20100302\_E+J\_r1.2

## 2 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting held on April 10, 2013.

<b>Motion:</b>	Approve the minutes of the previous meeting as written.
<b>By / 2<sup>nd</sup>:</b>	Mitsuhiro Matsuda (Hitachi Kokusai Electric) / Yoshihisa Takasaki (Dainippon Screen Mfg.)
<b>Discussion:</b>	None
<b>Vote:</b>	16:0 Motion Passed.

**Attachment:** 02, Japan ICC Minutes 130410 R0.2

### 3 SEMI Staff Report

Chie Yanagisawa (SEMI Japan) gave the SEMI Staff Report. This report contained information on the following items.

- Global SEMI Events
- Standards Meetings during SEMICON West
- Ballot Critical Dates
- Publication Update
- ISC A&R SC Summary May 2013
- Recent Regulations & Procedure Guide Revisions
- Contact Information

**Attachment:** 03, SEMI Staff Report 2013 June R0.1

**Attachment:** 04, ISCA&RSCMay2013WebVotingSummaryv1

### 4 Liaison Reports

#### 4.1 *North America Information & Control Committee*

Mitsuhiro Matsuda (Hitachi Kokusai Electric) reported for the North America Information & Control Committee. This report contained information on the following items.

- Leadership
- Organization Chart
- Meeting Information
- Ballot Results
- Upcoming Ballots
- Task Force Reports
- Upcoming Meeting Schedule

**Attachment:** 05, NA I&C report June 2013

#### 4.2 *Europe Equipment Automation Committee*

Chie Yanagisawa conveyed the message from Yann Guillou (SEMI Europa) that there was no update for Europe Equipment Automation Committee.

#### 4.3 *Taiwan Information & Control Committee*

Chie Yanagisawa conveyed the message from Cher Wu (SEMI Taiwan) that there was no update for Taiwan Information & Control Committee.

#### 4.4 *Korea Information & Control Committee*

Mitsuhiro Matsuda reported for the Korea Information & Control Committee. This report contained information on the following items.

- Leadership
- Organization Chart
- Meeting Information
- Major Updates
- Task Force Updates

There are some errors included in the report. Mitsuhiro Matsuda pointed out that Japan Information & Control Committee should have the report revised by Korea Staff.

**Action Item 1:** Chie Yanagisawa to ask Korea Staff for revising the Korea Liaison Report for Japan Information & Control Committee on June.19, 2013.

**Attachment:** 06, KR\_I&C\_liaison\_20130621

## 5 Ballot Review

None.

## 6 Task Force Reports

### 6.1 AMHS Task Force

Hiroshi Kondo (Murata Machinery) reported that there was no update for AMHS Task Force.

Mitsuhiro Matsuda pointed out it is necessary to determine if there is any task in AMHS Task Force, since it has been no activity for more than a year.

### 6.2 GEM 300 Task Force

Tadashi Mochizuki (Tokyo Electron) reported for GEM 300 Task Force. Of note:

- Cycle3 Ballot Study, held on May 24<sup>th</sup>
- JA GEM300 TF held on June 19<sup>th</sup>
  - ✓ GEM300 TF propose new SNARFs
  - ✓ Wafer Object Model Standard
  - ✓ Line item revision to SEMI E5, E40 and E40.1, removal of inconsistencies
  - ✓ GEM300 TF propose to submit #5538(Recipe Cache) for Cycle 5 or Cycle 6

**Attachment:** 07, JA\_GEM300TF Report\_130619\_R1.1

### 6.3 Equipment Information System Security (EISS) Task Force

Mitch Sakamoto (Tokyo Electron) reported for the Equipment Information System Security Task Force. Of note:

- #5422 NEW Standard: Guide for Equipment Information System Security
  - ✓ Failed at Japan I&CC, 2013/04/10
  - ✓ Editing ballot for #5422A
  - ✓ Ballot submission is planned for cycle 6, 2013
- VEC Security Report Presented.

**Attachment:** 08, EISS\_TF\_Report\_to\_I&CC\_2013-06-19

### 6.4 Sensor Bus Task Force

Hideaki Ogihara (Algo System) reported for Sensor Bus Task Force. This report contained information on the following items.

- The task force planned to propose the three ballots as following in “New Business” of this meeting:
  - ✓ Reapproval of SEMI E54.19
  - ✓ Revision to SEMI E54.12
  - ✓ Revision to SEMI E98/E98.1

Mitsuhiro Matsuda mentioned that the Previous Meeting Actions Items #2 “To consider whether or not SEMI E98-0309 should be revised or reapproved” was assigned to Hideaki Ogihara personally, and SEMI E98/SEMI E98.1 should be out of scope of Sensor Bus Task Force or any other task forces under Japan Information & Control Committee. Mitsuhiro Matsuda stated that he would newly propose the TFOF for Japan I&C Maintenance Task Force and the SNARF for Revision to SEMI E98/SEMI E98.1 to the I&C GCS, and the leaders would be Mitsuhiro Matsuda and Hideaki Ogihara.

**Action Item 2:** Mitsuhiro Matsuda to draft the TFOF for the Japan I&C Maintenance Task Force and to propose it to the I&C GCS for approval

**Action Item 3:** Mitsuhiro Matsuda to propose the SNARF for Revision to SEMI E98-0309 “Provisional Standard for the Object-Based Equipment Model (OBEM)” and SEMI E98.1-1102 (Reapproved 0309) “Provisional Specification for SECS-II Protocol for the Object-Based Equipment Model” to the I&C GCS for approval

Hideaki Ogihara continued to report for the Sensor Bus Task Force as following.

- While SEMI Standards developed SEMI E54.20 “Standard for Sensor/Actuator Network Communications for EtherCAT”, the Semiconductor Profile Technical Working Group (Semi-profile TWG) of the EtherCAT Technology Group (ETG) planned to publish the ETG document for Semiconductor equipment specific device profiles in 2012, but has not completed the document due to many reject votes.
- It is mentioned that Semi-profile TWG is exclusive and the information of the activity is not publicly provided, although ETG is an open forum for the registered members. Most of the Japanese suppliers and users do not have information since they are not members of Semi-profile TWG. So, it might be necessary for them to share information at the Japan Sensor Bus Task Force and exercise an influence on the activity of Semi-profile TWG before the decision of the document through any member, prevent from not affecting SEMI E54 including its subordinate Documents.

#### 6.5 Predictive Carrier Logistics (PCL) Task Force

Terry Asakawa (Tokyo Electron) reported for the Predictive Carrier Logistics Task Force. Of note:

- To propose the revised SNARF of #5486
- prepared to submit ballot #5486 PCL for Cycle 5

**Attachment:** 09, PCL\_TF\_Report\_for\_I&CC\_2013\_0619\_R1.00

## 7 Old Business

7.1 Proposal for Revision to SEMI E98-0309 “Provisional Standard for the Object-Based Equipment Model (OBEM)” and SEMI E98.1-1102 (Reapproved 0309) “Provisional Specification for SECS-II Protocol for the Object-Based Equipment Model”

As mentioned 6.4 above, the SNARF for Revision to SEMI E98/SEMI E98.1 was to be proposed along with the TFOF for Japan I&C Maintenance Task Force to the I&C GCS. The committee reviewed the SNARF to be proposed on site at the meeting.

7.2 Proposal for the new activity of Reapproval of SEMI E54.19-0308 “Specification for Sensor/Actuator Network for MECHATROLINK” by Sensor Bus Task Force

Hideaki Ogihara stated that Sensor Bus Task Force would propose the SNARF and the Ballot Submission of Reapproval of SEMI E54.19-0308, which was the conclusion of Action Item #3 of the previous meeting “To consider whether or not the Standard should be revised or reapproved”.

7.2.1 Proposal for the SNARF for Reapproval of SEMI E54.19-0308

<b>Motion:</b>	Approve the SNARF for Reapproval of SEMI E54.19-0308 “Specification for Sensor/Actuator Network for MECHATROLINK”
<b>By / 2<sup>nd</sup>:</b>	Hideaki Ogihara (Algo System) / Mitsuhiro Matsuda (Hitachi Kokusai Electric)
<b>Discussion:</b>	None
<b>Vote:</b>	15:0 Motion passed.

7.2.2 Proposal for the Ballot Submission of Reapproval of SEMI E54.19-0308

<b>Motion:</b>	Approve the ballot submission of Reapproval of SEMI E54.19-0308 “Specification for Sensor/Actuator Network for MECHATROLINK” for Cycle 5 or Cycle 6
<b>By / 2<sup>nd</sup>:</b>	Hideaki Ogihara (Algo System) / Mitsuhiro Matsuda (Hitachi Kokusai Electric)
<b>Discussion:</b>	None
<b>Vote:</b>	15:0 Motion passed.

## 8 New Business

### 8.1 Proposal for Doc. 5486 by Predictive Carrier Logistics (PCL) Task Force

#### 8.1.1 Proposal for the revision to SNARF 5486 “New Standard: Specification for Predictive Carrier Logistics Information from Equipment to be used for Predictive Carrier Logistics Management (PCL)”

Terry Asakawa explained the draft of revised SNARF 5486 and asked the committee for approval.

<b>Motion:</b>	Approve the revision to SNARF 5486 “New Standard: Specification for Predictive Carrier Logistics Information from Equipment to be used for Predictive Carrier Logistics Management (PCL)”
<b>By / 2<sup>nd</sup>:</b>	Terry Asakawa (Tokyo Electron) / Yoshihisa Takasaki (Dainippon Screen Mfg.)
<b>Discussion:</b>	None
<b>Vote:</b>	16:0 Motion passed.

#### 8.1.2 Proposal for the Ballot Submission of 5486 “New Standard: Specification for Predictive Carrier Logistics (PCL)”

Terry Asakawa explained ballot 5486 draft and asked the committee for approval of submission.

<b>Motion:</b>	Approve the submission of ballot 5486 “New Standard: Specification for Predictive Carrier Logistics (PCL)” for Cycle 5
<b>By / 2<sup>nd</sup>:</b>	Terry Asakawa (Tokyo Electron) / Hideaki Ogihara (Algo System)
<b>Discussion:</b>	None
<b>Vote:</b>	16:0 Motion passed.

### 8.2 Proposal for New Standard: Specification for Wafer Object Modeling by GEM300 Task Force

#### 8.2.1 Proposal for SNARF for “New Standard: Specification for Wafer Object Modeling”

Naoko Murata (Tokyo Electron) explained the proposed SNARF and asked the committee for approval.

<b>Motion:</b>	Approve the SNARF for “New Standard: Specification for Wafer Object Modeling”
<b>By / 2<sup>nd</sup>:</b>	Naoko Murata (Tokyo Electron) / Yoshihisa Takasaki (Dainippon Screen Mfg.)
<b>Discussion:</b>	None.
<b>Vote:</b>	14:0 Motion passed.

### 8.3 Proposal for the new activity of the revision to SEMI E5 “SEMI Equipment Communications Standard 2 Message Content (SECS-II)”, SEMI E40 “Standard for Processing Management” and SEMI E40.1 “SECS-II Support for Processing Management Standard”, removal of inconsistencies by GEM300 Task Force

Yoshihisa Takasaki (Dainippon Screen Mfg.) explained the proposed SNARF for Line-item Revision to SEMI E5, E40 and E40.1, removal of inconsistencies and asked the committee for approval.

<b>Motion:</b>	Approve the SNARF for Line-item Revision to SEMI E5 “SEMI Equipment Communications Standard 2 Message Content (SECS-II)”, SEMI E40 “Standard for Processing Management” and SEMI E40.1 “SECS-II Support for Processing Management Standard”, removal of inconsistencies.
<b>By / 2<sup>nd</sup>:</b>	Yoshihisa Takasaki (Dainippon Screen Mfg.) / Tadashi Mochizuki (Tokyo Electron)
<b>Discussion:</b>	None
<b>Vote:</b>	15:0 Motion passed.

### 8.4 Proposal for Revision to SEMI E54.12-0701E (Reapproved 1211) “Specification for Sensor/Actuator Network Communications for CC-Link” by Sensor Bus Task Force

#### 8.4.1 Proposal for SNARF for Revision to SEMI E54.12-0701E (Reapproved 1211)

Hideaki Ogihara explained the proposed SNARF and asked the committee for approval.

<b>Motion:</b>	Approve the SNARF for Revision to SEMI E54.12-0701E (Reapproved 1211) “Specification for Sensor/Actuator Network Communications for CC-Link”.
<b>By / 2<sup>nd</sup>:</b>	Hideaki Ogihara (Algo System) / Mitsuhiro Matsuda (Hitachi Kokusai Electric)
<b>Discussion:</b>	None
<b>Vote:</b>	15:0 Motion passed.

#### 8.4.2 Proposal for submission of the ballot for Revision to SEMI E54.12-0701E (Reapproved 1211)

Hideaki Ogihara also proposed to submit the ballot for Cycle 5 or Cycle 6.

<b>Motion:</b>	Approve the submission of the ballot for Revision to SEMI E54.12-0701E (Reapproved 1211) “Specification for Sensor/Actuator Network Communications for CC-Link” for Cycle 5 or Cycle 6.
<b>By / 2<sup>nd</sup>:</b>	Hideaki Ogihara (Algo System) / Mitsuhiro Matsuda (Hitachi Kokusai Electric)
<b>Discussion:</b>	None
<b>Vote:</b>	15:0 Motion passed.

#### 8.5 Proposal for the submission of ballot 5538 “New Standard: Specification for Production Recipe Cache (PRC)” by GEM300 Task Force

Terry Asakawa explained ballot 5538 draft and asked the committee for approval.

<b>Motion:</b>	Approve the submission of ballot 5538 “New Standard: Specification for Production Recipe Cache” for Cycle 5 or Cycle 6.
<b>By / 2<sup>nd</sup>:</b>	Terry Asakawa (Tokyo Electron) / Yoshihisa Takasaki (Dainippon Screen Mfg.)
<b>Discussion:</b>	None
<b>Vote:</b>	15:0 Motion passed.

#### 8.6 Proposal for submission of ballot 5422A “Guide for Equipment Information System Security” by EISS Task Force

Mitch Sakamoto explained ballot 5422A draft and asked the committee for approval.

<b>Motion:</b>	Approve the submission of ballot 5422 A “Guide for Equipment Information System Security” for Cycle 6.
<b>By / 2<sup>nd</sup>:</b>	Mitch Sakamoto (Tokyo Electron) / Hideaki Ogihara (Algo System)
<b>Discussion:</b>	Further consideration to be required for protection to cyberattack.
<b>Vote:</b>	15:0 Motion passed.

Mitsuhiro Matsuda called for attention that ballot draft should be distributed to task force members at least one week prior to the submission per the latest SEMI Standards Regulation.

## 9 Action Item Review

### 9.1 Open Action Items

None.

### 9.2 New Action Items

**Action Item 1:** Chie Yanagisawa to ask Korea Staff for revising the Korea Liaison Report for Japan Information & Control Committee on June.19, 2013.

**Action Item 2:** Mitsuhiro Matsuda to draft the TFOF for the Japan I&C Maintenance Task Force and to propose it to the I&C GCS for approval

**Action Item 3:** Mitsuhiro Matsuda to propose the SNARF for Revision to SEMI E98-0309 “Provisional Standard for the Object-Based Equipment Model (OBEM)” and SEMI E98.1-1102 (Reapproved 0309) “Provisional Specification for SECS-II Protocol for the Object-Based Equipment Model” to the I&C GCS for approval

## 10 Next Meeting and Adjournment

The next meeting of the Japan Information & Control Committee is scheduled for Thursday, September 19, 2013 at Japan Standards Fall Meetings 2013 in SEMI Japan Office, Tokyo, Japan.

Having no further business, a motion was made by Takayuki Nishimura, co-chair, to adjourn the Japan Information & Control Committee meeting at JPR Conference room #1 & #2, SEMI Japan office. The meeting unanimously adjourned at 17:40.

Respectfully submitted by:  
 Chie Yanagisawa  
 Senior Standard Coordinator  
 SEMI Japan  
 Phone: +81.3.3222.5863  
 Email: cyanagisawa@semi.org

Minutes approved by:  
 Takayuki Nishimura (Dainippon Screen Mfg.), Co-chair  
 Mitsuhiro Matsuda (Hitachi Kokusai Electric), Co-chair

September 11, 2013  
 September 10, 2013

**Table 8 Index of Available Attachments #1**

#	<i>Title</i>	#	<i>Title</i>
01	Required Elements Reg_20100302_E+J_r1.2	06	KR_I&C_liaison_20130621
02	Japan ICC Minutes 130410 R0.2	07	JA_GEM300TF Report_130619_R1.1
03	SEMI Staff Report 2013 June R0.1	08	EISS_TF_Report_to_I&CC_2013-06-19
04	ISCA&RSCMay2013WebVotingSummaryv1	09	PCL_TF_Report_for_I&CC_2013_0619_R1.00
05	NA I&C report June 2013		

#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](http://www.semi.org). For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.