

## Japan Information & Control Committee Meeting Summary and Minutes

Japan Standards Fall 2013 Meetings  
September 19, 2013, 1:30 p.m. - 4:10 p.m.  
JPR Conference Room 2, SEMI Japan, Tokyo

### Next Committee Meeting

Friday, December 6, 2013, 1:00 p.m. - 5:00 p.m. Japan Standard Time  
SEMICON Japan 2013, Chiba, 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:** 15 + **SEMI:** 1

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
AIST (Advanced Industrial Science and Technology)	Sakane	Hirofumi	<i>Murata Machinery</i>	<i>Kondo</i>	<i>Hiroshi</i>
Algo System	Ogihara	Hideaki	Tokyo Electron	Asakawa	Terry
Canon Anelva	Sato	Mitsugu	Tokyo Electron	Mochizuki	Tadashi
Dainippon Screen Mfg.	Nishimura	Takayuki	Tokyo Electron	Murata	Naoko
Dainippon Screen Mfg.	Takasaki	Yoshihisa	Tokyo Electron	Sakamoto	Mitch
F.B Consult	Somei	Tadashi	Tokyo Seimitsu	Sasaki	Mie
Hitachi High Technologies	Toyoshima	Yuko	Yokogawa Solution Service	Nakagawa	Takashi
Hitachi Kokusai Electric	Matsuda	Mitsuhiro	SEMI Japan	Yanagisawa	Chie

### Table 2 Leadership Changes

<i>Group</i>	<i>Previous Leader</i>	<i>New Leader</i>
AMHS Task Force	Hiroshi Kondo (Murata Machinery) Mitsumasa Ago (Daifuku)	*The task force was discharged.
Fiducial Mark Interoperability Task Force	*The task force was newly authorized.	Mitsuhiro Matsuda / Hitachi Kokusai Electric

### 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.

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
5486	New Standard: "Specification for Predictive Carrier Logistics (PCL)"	Failed and was returned to the Task Force for rework.

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

<i>#</i>	<i>When</i>	<i>SC/TF/IG</i>	<i>Details</i>
None			

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

<i>#</i>	<i>Type</i>	<i>SC/TF/IG</i>	<i>Details</i>
	TFOF	New	Fiducial Mark Interoperability Task Force

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)**

<b>Item #</b>	<b>Assigned to</b>	<b>Details</b>
1	Chie Yanagisawa	To get the latest Korea Information & Control Committee Liaison Report for the minutes attachment of Japan Information & Control Technical Committee meeting on September 19.

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

<b>Item #</b>	<b>Assigned to</b>	<b>Details</b>
1	Chie Yanagisawa	To ask Korea Staff for revising the Korea Liaison Report for Japan Information & Control Committee on June.19, 2013. → Done
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 → Done
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 → Done

### 1 Welcome, Reminders, and Introductions

Takayuki Nishimura (Dainippon Screen Mfg.), co-chair, 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\_20100302\_E+J\_r1.2

### 2 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting held on June 19, 2013.

<b>Motion:</b>	To approve the minutes of the previous meeting with modifying the virtual participants at the section of the meeting attendees in italics.
<b>By / 2<sup>nd</sup>:</b>	Mitsuhiro Matsuda (Hitachi Kokusai Electric) / Mitch Sakamoto (Tokyo Electron)
<b>Discussion:</b>	None
<b>Vote:</b>	10 in favor and 0 opposed. <b>Motion Passed.</b>

**Attachment:** 02, Japan-ICC\_Minutes\_130619\_Final

### 3 SEMI Staff Report

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

- Global SEMI Events
- Global Standards Meetings Schedule
- Ballot Critical Dates
- Publication Update
- SEMICON Japan 2013
- Contact Information

**Attachment:** 03, SEMI Staff Report 2013 Sept.\_R0.2

## 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:** 04, NA I&C report September 2013

### 4.2 Europe Equipment Automation Committee

No update.

### 4.3 Taiwan Information & Control Committee

No update.

### 4.4 Korea Information & Control Committee

No report was sent for this meeting. So, the Committee referred to the CER for the recent Korea Information & Control Committee meeting on July 19.

**Action Item 1:** Chie Yanagisawa to get the latest Korea Information & Control Committee Liaison Report for the minutes attachment of Japan Information & Control Technical Committee meeting on September 19.

**Attachment:** 05, KR\_I&C\_Report\_20131001

## 5 Ballot Review

### 5.1 Document #5486, New Standard: “*Specification for Predictive Carrier Logistics (PCL)*”

The author of Document #5486, Terry Asakawa, went through the rejects and the comments and the motion was made as following.

<b>Motion:</b>	To withdraw the document #5486 and rework for rebalot
<b>By / 2<sup>nd</sup>:</b>	Terry Asakawa (Tokyo Electron) / Hideaki Ogihara (Algo System)
<b>Discussion:</b>	None
<b>Vote:</b>	13 in favor and 0 opposed. <b>Motion passed.</b>

Document **failed** technical review and was returned to the PCL task force for rework and rebalot. See attachment below for detail of ballot adjudication.

**Attachment:** 06, Ballot-Review\_5486

## 6 Task Force Reports

### 6.1 AMHS Task Force

The task force leader, Hiroshi Kondo (Murata Machinery), reported that there has been no activity at AMHS task force for more than a year. He mentioned that he would make a proposal for disbanding of the task force at the Old Business section later.

### 6.2 GEM 300 Task Force

The task force leader, Tadashi Mochizuki (Tokyo Electron), reported for GEM 300 Task Force. Of note:

- JA GEM300 TF held on July 17, August 6 and September 18
- #5538 Specification for Production Recipe Cache mechanism
  - Balloted to Cycle 6
- #5600 revision to SEMI E5 E40the Removal of inconsistencies
  - No update
  - Next target: Draft document review on December
- #5601 Wafer Object Modeling
  - Discussion continued about the concept
  - Ballot target is early cycle in 2014

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

The task force leader, Mitch Sakamoto (Tokyo Electron), reported for the Equipment Information System Security Task Force. Of note:

- #5422A: New Standard: “*Guide for Equipment Information System Security*” is balloted for Cycle 6.
- No task force meeting was held since the last meeting on June 19.

Mitch Sakamoto expressed that he would like to hold a task force meeting before the next Information & Control Committee meeting on December 6.

### 6.4 Sensor Bus Task Force

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

- Those two documents below are balloted for Cycle 6.
  - #5602: Reapproval of SEMI E54.19-0308: “*Specification of Sensor/Actuator Network for MECHATROLINK*”
  - #5603: Line-Item Revision to SEMI E54.12-0701<sup>E</sup> (Reapproved 1211): “*Specification for Sensor/Actuator Network Communications for CC-Link*”

Hideaki Ogihara mentioned that the task force would hold a meeting after those tallies are submitted.

He also referred the activity of the Semiconductor Profile Technical Working Group (Semi-profile TWG) of the EtherCAT Technology Group (ETG) and showed the concerns as following.

- Semi-profile TWG has nearly completed the SemiProfile document, which may influence the SDM of SEMI Standards.
  - G450C related semiconductor manufacturers required the control capability of 450 mm manufacturing equipment with EtherCAT in the document and that makes the document expected to be the virtual defacto standard.
  - This may influence SEMI E54.20 “*Standard for Sensor/Actuator Network Communications for EtherCAT*” to modify according to SemiProfile document. Since any SEMI Standard does not contain SDM for Wet processing equipment which has become more important in the industry, it would be possible that the SemiProfile document may complement SEMI E54.20.

- These concerns above mentioned would be discussed at the task force and it would have communications with North America Sensor/Actuator Bus task force if necessary.

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

The task force leader, Terry Asakawa (Tokyo Electron), reported for the Predictive Carrier Logistics Task Force. Of note:

- Withdraw Document #5486, New Standard: “*Specification for Predictive Carrier Logistics (PCL)*” and rework for rebalot as a result of considering the negatives.
- Study of the issues PCL is trying to solve
  - Compact way of providing the predictions
  - Joint study with GEM300 TF on the issues of E87 (that had been discussed in GEM300 TF and tried to be solved by PCL)

**Attachment:** 07, PCL\_TF\_2013\_0918\_R1.00

### 6.6 JA I&CC Maintenance Task Force

The task force leader, Mitsuhiro Matsuda (Hitachi Kokusai Electric), reported for the JA I&CC Maintenance Task Force. Of note:

- Acquired the Information & Control GCS approval for the SNARF for Revision to SEMI E98 “*Provisional Standard for the Object-Based Equipment Model (OBEM)*” and SEMI E98.1 “*Provisional Specification for SECS-II Protocol for the Object-Based Equipment Model*”
- The document numbered 5615 to be submitted for Cycle 7 or Cycle 8.

<b>Motion:</b>	To submit Document #5615: Revision to SEMI E98 “ <i>Provisional Standard for the Object-Based Equipment Model (OBEM)</i> ” and SEMI E98.1 “ <i>Provisional Specification for SECS-II Protocol for the Object-Based Equipment Model</i> ” for Cycle 7 or Cycle 8
<b>By / 2<sup>nd</sup>:</b>	Hideaki Ogihara (Algo System) / Mitsuhiro Matsuda (Hitachi Kokusai Electric)
<b>Discussion:</b>	None
<b>Vote:</b>	12 in favor and 0 opposed. <b>Motion passed.</b>

## 7 Old Business

### 7.1 Proposal for discharging AMHS Task Force

As mentioned at the section of AMHS Task Force report, the task force leader, Hiroshi Kondo (Murata Machinery) made a proposal to the committee as below.

<b>Motion:</b>	To discharge AMHS Task Force
<b>By / 2<sup>nd</sup>:</b>	Hiroshi Kondo (Murata Machinery) / Yoshihisa Takasaki (Dainippon Screen Mfg.)
<b>Discussion:</b>	SEMI E153-0310 “Specification for AMHS SEM (AMHS SEM)” to be reviewed for 5-year review at JA I&CC Maintenance Task Force
<b>Vote:</b>	12 in favor and 0 opposed. <b>Motion passed.</b>

## 8 New Business

### 8.1 Proposal for Fiducial Mark Interoperability Task Force

Mitsuhiro Matsuda (Hitachi Kokusai Electric) proposed the TFOF for the Fiducial Mark Interoperability Task Force, to establish commonly under the Japan Traceability Technical Committee, Japan Silicon Wafer Technical Committee, Japan PI&C Technical Committee, Japan Information & Control Technical Committee and Japan Packaging Technical Committee as following at this committee meeting. The approval has been made respectively at the meetings of those technical committees during the Japan Standards Fall 2013 Meetings.

<b>Motion:</b>	To establish Fiducial Mark Interoperability Task Force
<b>By / 2<sup>nd</sup>:</b>	Mitsuhiro Matsuda (Hitachi Kokusai Electric) / Mitch Sakamoto (Tokyo Electron)
<b>Discussion:</b>	None
<b>Vote:</b>	13 in favor and 0 opposed. <b>Motion passed.</b>

Matsuda Mitsuhiro made a proposal for the task force leader as below.

<b>Motion:</b>	To approve Mitsuhiro Matsuda (Hitachi Kokusai Electric) as the task force leader
<b>By / 2<sup>nd</sup>:</b>	Mitsuhiro Matsuda (Hitachi Kokusai Electric) / Hideaki Ogihara (Algo System)
<b>Discussion:</b>	None
<b>Vote:</b>	13 in favor and 0 opposed. <b>Motion passed.</b>

Mitsuhiro Matsuda (Hitachi Kokusai Electric) stated that there was no SNARF to be proposed at this stage.

**Attachment:** 08, FiducialMarkInteroperabilityTF-TFOFform\_r0.2

## 9 Action Item Review

### 9.1 Open Action Items

None.

### 9.2 New Action Items

**Action Item 1:** Chie Yanagisawa to get the latest Korea Information & Control Committee Liaison Report for the minutes attachment of Japan Information & Control Technical Committee meeting on September 19.

## 10 Next Meeting and Adjournment

The tentative schedule of Japan Information & Control Committee meeting and the related meetings in conjunction with SEMICON Japan 2013 are as following.

- JA I&CC Maintenance TF, Tuesday, December 3, at SEMI Japan Office (Ichigaya, Tokyo)
- GEM300 TF, Wednesday, December 4, at International Conference Hall, Makuhari Messe (Chiba)
- EISS TF, Thursday, December 5, at International Conference Hall, Makuhari Messe (Chiba), *canceled later*
- Sensor Bus TF, Friday, December 6, at International Conference Hall, Makuhari Messe (Chiba)
- PCL TF, Friday, December 6, at International Conference Hall, Makuhari Messe (Chiba)
- Japan Information & Control Committee, Friday, December 6, at International Conference Hall, Makuhari Messe (Chiba)

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 #2, SEMI Japan office. The meeting unanimously adjourned at 16:10.

Respectfully submitted by:  
 Chie Yanagisawa  
 Senior Standard Coordinator  
 SEMI Japan  
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Minutes approved by:

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

November 27, 2013

November 27, 2013

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

#	<i>Title</i>	#	<i>Title</i>
01	Required Elements Reg_20100302_E+J_r1.2	05	KR_I&C_Report_20131001
02	Japan-ICC_Minutes_130619_Final	06	Ballot-Review_5486
03	SEMI Staff Report 2013 Sept._R0.2	07	PCL_TF_2013_0918_R1.00
04	NA I&C report September 2013	08	FiducialMarkInteroperabilityTF-TFOFform_r0.2

#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.