

Japan TC Chapter of Information and Control Global Technical Committee Meeting Summary and Minutes

Japan Standards Fall 2014 Meetings
Thursday, September 18, 2014, 1:30 p.m. – 5:00 p.m.
SEMI Japan office, Tokyo, Japan

Next Committee Meeting

Friday, December 5, 2014, 11:00 a.m. – 5:00 p.m. <Japan Time>
Japan Standards Winter 2014 Meetings in conjunction with SEMICON Japan 2014, Tokyo

Committee Announcements (optional)

None

Table 1 Meeting Attendees

Italics indicates virtual participants

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

SEMI Staff: Chie Yanagisawa

Attendee: 11 + **SEMI:** 1

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
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
Hitachi Kokusai Electric	Matsuda	Mitsuhiro	Tokyo Electron	Sakamoto	Mitch
Pionics	Somei	Tadashi	Yokogawa Solution Service	Nakagawa	Takashi
Reno Sub-Systems	Hideaki	Ogihara	SEMI Japan	Yanagisawa	Chie

** Alphabetical order by company name*

Table 2 Leadership Changes

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.

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
5601	New Standard: Specification for Wafer Object Model (WOMS)	Failed and returned to TF for rework

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

<i>#</i>	<i>When</i>	<i>SC/TF/WG</i>	<i>Details</i>
5779	Cycle 7	EISS TF	Revision to SEMI E169-0414 “Guide for Equipment Information System Security”
5730	Cycle 7	GEM300 TF	Line Item Revision to SEMI E170-0714 “Specification for Production Recipe Cache (PRC)”
5731	Cycle 7	GEM300 TF	Revision to add a New Subordinate Standard “Specification for SECS-II Protocol for Production Recipe Cache” to SEMI E170-0714 “Specification for Production Recipe Cache (PRC)”
5735	Cycle 7	PCL TF	Line Item Revision to SEMI E171-0914 “Specification for Predictive Carrier Logistics (PCL)”

5778	Cycle 7	PCL TF	Revision to add a New Subordinate Standard for Specification for SECS-II Protocol for SEMI E171-0914 Specification for Predictive Carrier Logistics (PCL)
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Table 5 Authorized Activities (or move to Section 7, New Business)

#	Type	SC/TF/WG	Details
5779	SNARF	EISS TF	Revision to SEMI E169-0414 "Guide for Equipment Information System Security"
5730	SNARF	GEM300 TF	Line Item Revision to SEMI E170-0714 "Specification for Production Recipe Cache (PRC)"
5731	SNARF	GEM300 TF	Revision to add a New Subordinate Standard "Specification for SECS-II Protocol for Production Recipe Cache" to SEMI E170-0714 "Specification for Production Recipe Cache (PRC)"
5735	SNARF	PCL TF	Line Item Revision to SEMI E171-0914 "Specification for Predictive Carrier Logistics (PCL)"
5778	SNARF	PCL TF	Revision to add a New Subordinate Standard for Specification for SECS-II Protocol for SEMI E171-0914 Specification for Predictive Carrier Logistics (PCL)

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

Item #	Assigned to	Details
20140918-#1	SEMI Staff	To send out email message in order recruit members working for revision to SEMI E99-1104E (Reapproved 0710) "The Carrier ID Reader/Writer Functional Standard: Specification of Concepts, Behavior, and Services" and SEMI E99.1-1104 (Reapproved 0710) "Specification for SECS-I and SECS-II Protocol for Carrier ID Reader/Writer Functional Standard"
20140918-#2	SEMI Staff	To send out email message in order recruit members working for revision to SEMI E107-1102 (Reapproved 0710) "Specification of Electric Failure Link Data Format for Yield Management System"

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

Item #	Assigned to	Details
20140620-#1	Mitsuhiro Matsuda (Hitachi Kokusai Electric)	To discuss with the North America TC Chapter co-chairs of Information and Control Global Technical Committee on the Action Item 20140416-#1: To require the revised North America Liaison Report, since there is no information of DDA TF, ESEC TF and SAN TF included on the report for this meeting. => CLOSED

1 Welcome, Reminders, and Introductions

Takayuki Nishimura (Dainippon Screen Mfg.) called the meeting to order at 1:30 p.m. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

2 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting held on June 20, 2014.

Motion: To approve as written.

By / 2nd: Mitsuhiro Matsuda (Hitachi Kokusai Electric) / Mitch Sakamoto (Tokyo Electron)

Discussion: None

Vote: 8 in favor and 0 opposed. **Motion Passed.**

3 Liaison Reports

3.1 Europe

Chie Yanagisawa (SEMI Japan) reported the Europe Equipment Automation Committee but mentioned there was no updated information related to Information & Control Global Technical Committee.

Attachment: [01_EU_EA_Liaison Report September 5, 2014](#)

3.2 Korea

Mitsuhiro Matsuda (Hitachi Kokusai Electric) reported for the Korea TC Chapter as attached.

Attachment: [02_KR_I&C_liaison_20140916](#)

3.3 North America

Mitsuhiro Matsuda (Hitachi Kokusai Electric) reported for the Korea TC Chapter as attached.

Attachment: [03_NA I&C report September 2014](#)

3.4 Taiwan

There has been no activity.

3.5 SEMI Staff Report

- Global SEMI Events
- Global Standards Meetings Schedule
- Ballot Critical Dates
- Publication Update
- Changes of SEMI Japan President
- Contact Information

Attachment: [04_SEMI Staff Report 2014 September_R0.2a](#)

4 Ballot Review

4.1 #5601 - New Standard: Specification for Wafer Object Model (WOMS)

The details of ballot review are found in the attachment of “05_5601_ProceduralReview_0.2a”.

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
5601	New Standard: Specification for Wafer Object Model (WOMS)	Failed and returned to TF for rework

Attachment: [05_5601_ProceduralReview_0.2a](#)

5 Subcommittee & Task Force Reports

5.1 Equipment Information System Security (EISS) Task Force

Mitch Sakamoto (Tokyo Electron) reported for Equipment Information System Security (EISS) Task Force as following.

- The SNARF for Revision to SEMI E169 “Guide for Equipment Information System Security” and the ballot submission of this document to be proposed at the New Business section of this meeting.

5.2 Fiducial Mark Interoperability Task Force

Mitsuhiro Matsuda (Hitachi Kokusai Electric) reported for Fiducial Mark Interoperability Task Force as following.

- No TF meeting was held since April, 2014
- The next TF meeting to be held on September 29, focusing on the discussion on Traceability related document as Doc. 5752: Revision to SEMI T7-0303 (Reapproved 0709) “Specification for Back Surface Marking of Double-Side Polished Wafers with a Two-Dimensional Matrix Code Symbol”

5.3 Japan GEM300 Task Force

Yoshihisa Takasaki (Dainippon Screen Mfg.) reported for Japan GEM300 Task Force as attached. This report contained information on the following items.

- Revision to SEMI E170 “Specification for Production Recipe Cache mechanism (PRC)”
 - Line Item Revision to E170 PRC
 - Subordinate Standard for E170 PRC
- #5600 revision to SEMI E5 E40 the Removal of inconsistencies
 - Withdrawal of this document to be proposed at the New Business section of this meeting.
- #5601 Wafer Object Modeling

Attachment: [06_JA_GEM300TF Report_20140918_R1](#)

5.4 Japan I&C Maintenance Task Force

Mitsuhiko Matsuda reported for Japan I&C Maintenance Task Force as following items.

- No TF meeting was held and the next TF meeting was not decided.
- #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”
 - Ballot draft to be prepared
- 5 Years Review for the following documents to be proposed at the New Business section of this meeting.
 - SEMI E99-1104E (Reapproved 0710) “The Carrier ID Reader/Writer Functional Standard: Specification of Concepts, Behavior, and Services” and SEMI E99.1-1104 (Reapproved 0710) “Specification for SECS-I and SECS-II Protocol for Carrier ID Reader/Writer Functional Standard”
 - SEMI E107-1102 (Reapproved 0710) “Specification of Electric Failure Link Data Format for Yield Management System”

5.5 Predictive Carrier Logistics Task Force

Terry Asakawa (Tokyo Electron) reported for Predictive Carrier Logistics Task Force as attached. This report contained information on the following items.

- #5486A is published as SEMI E171-0914
- Two revision ballots to E171 are proposed and under work
 - Line Item Revision to E171 PCL
 - Subordinate Standard for E171 PCL

Attachment: [07_JA_PCL_TF_Report_2014_0918_R1.0](#)

5.6 Sensor Bus Task Force

Hideaki Ogihara (Reno Sub-Systems) reported for Sensor Bus Task Force that there was no activity.

6 Old Business

None

7 New Business

7.1 Report of Invalidation of the decision to SNARFs' approval at the last Japan I&C TC Chapter meeting on June 20, 2014

Mitsuhiro Matsuda reported that the decision to SNARFs' approval as below was invalidated by the Co-Chairs, because the targeted documents for revision were not published at that moment. SEMI Standards Procedure Guide (December 3, 2012 version) 2.2.4.2 requires "include the full designation (including Publication Date Code) of the Standard" for revision SNARF. These SNARFs to be proposed for approval at the New Business section of this meeting.

- SNARF: Line Item Revision to SEMI E170-0714 (5538A), "Specification for Production Recipe Cache"
- SNARF: Revision to add a New Subordinate Standard "Specification for SECS-II Protocol for Production Recipe Cache" to SEMI E170-0714 (5538A) "Specification for Production Recipe Cache(PRC)"
- SNARF: Line Item Revision to SEMI E171-0914 (5486A) "Specification for Predictive Carrier Logistics"

7.2 Revision to SEMI E169-0414 "Guide for Equipment Information System Security"

Mitch Sakamoto addressed the committee on this topic.

7.2.1 SNARF proposal

Motion:	To approve the SNARF for Revision to SEMI E169-0414 "Guide for Equipment Information System Security"
By / 2nd:	Mitch Sakamoto (Tokyo Electron) / Terry Asakawa (Tokyo Electron)
Discussion:	None
Vote:	10 in favor and 0 oppose. Motion passed.

7.2.2 Ballot Submission proposal

Motion:	To approve the Ballot Submission of the document for Revision to SEMI E169-0414 "Guide for Equipment Information System Security" to Cycle 7
By / 2nd:	Mitch Sakamoto (Tokyo Electron) / Terry Asakawa (Tokyo Electron)
Discussion:	None
Vote:	10 in favor and 0 oppose. Motion passed.

7.3 Line Item Revision to SEMI E170-0714 "Specification for Production Recipe Cache (PRC)"

Yoshihisa Takasaki addressed the committee on this topic.

7.3.1 SNARF proposal

Motion:	To approve the SNARF for Line Item Revision to SEMI E170-0714 "Specification for Production Recipe Cache (PRC)"
By / 2nd:	Yoshihisa Takasaki (Dainippon Screen Mfg.) / Naoko Murata (Tokyo Electron)
Discussion:	None
Vote:	10 in favor and 0 oppose. Motion passed.

7.3.2 Ballot Submission proposal

Motion:	To approve the Ballot Submission of the document for Line Item Revision to SEMI E170-0714 "Specification for Production Recipe Cache (PRC)" to Cycle 7
By / 2nd:	Yoshihisa Takasaki (Dainippon Screen Mfg.) / Hideaki Ogihara (Reno Sub-Systems)
Discussion:	None
Vote:	10 in favor and 0 oppose. Motion passed.

7.4 New Subordinate Standard for “Specification for SECS-II Protocol for Production Recipe Cache” to SEMI E170-0714 “Specification for Production Recipe Cache (PRC)”

Yoshihisa Takasaki addressed the committee on this topic.

7.4.1 SNARF proposal

Motion:	To approve the SNARF for New Subordinate Standard for “Specification for SECS-II Protocol for Production Recipe Cache” to SEMI E170-0714 “Specification for Production Recipe Cache (PRC)”
By / 2nd:	Yoshihisa Takasaki (Dainippon Screen Mfg.) / Hideaki Ogihara (Reno Sub-Systems)
Discussion:	None
Vote:	10 in favor and 0 oppose. Motion passed.

7.4.2 Ballot Submission proposal

Motion:	To approve the Ballot Submission of the document for New Subordinate Standard for “Specification for SECS-II Protocol for Production Recipe Cache” to SEMI E170-0714 “Specification for Production Recipe Cache (PRC)” to Cycle 7
By / 2nd:	Yoshihisa Takasaki (Dainippon Screen Mfg.) / Naoko Murata (Tokyo Electron)
Discussion:	None
Vote:	10 in favor and 0 oppose. Motion passed.

7.5 Line Item Revision to SEMI E171-0914 “Specification for Predictive Carrier Logistics (PCL)”

Terry Asakawa addressed the committee on this topic.

7.5.1 SNARF proposal

Motion:	To approve the SNARF for Line Item Revision to SEMI E171-0914 “Specification for Predictive Carrier Logistics (PCL)”
By / 2nd:	Terry Asakawa (Tokyo Electron) / Yoshihisa Takasaki (Dainippon Screen Mfg.)
Discussion:	None
Vote:	10 in favor and 0 oppose. Motion passed.

7.5.2 Ballot Submission proposal

Motion:	To approve the Ballot Submission of the document for Line Item Revision to SEMI E171-0914 “Specification for Predictive Carrier Logistics (PCL)” to Cycle 7
By / 2nd:	Terry Asakawa (Tokyo Electron) / Mitsuhiro Matsuda (Hitachi Kokusai Electric)
Discussion:	None
Vote:	10 in favor and 0 oppose. Motion passed.

7.6 New Subordinate Standard to SEMI E171-0914 “Specification for Predictive Carrier Logistics (PCL)”

Terry Asakawa addressed the committee on this topic.

7.6.1 SNARF proposal

Motion:	To approve the SNARF for SEMI E171-0914 “Specification for Predictive Carrier Logistics (PCL)”
By / 2nd:	Terry Asakawa (Tokyo Electron) / Yoshihisa Takasaki (Dainippon Screen Mfg.)
Discussion:	None
Vote:	10 in favor and 0 oppose. Motion passed.

7.6.2 Ballot Submission proposal

Motion:	To approve the Ballot Submission of the document for SEMI E171-0914 “Specification for Predictive Carrier Logistics (PCL)” to Cycle 7
By / 2nd:	Terry Asakawa (Tokyo Electron) / Mitsugu Sato (CANON Anelva)
Discussion:	None
Vote:	10 in favor and 0 oppose. Motion passed.

7.7 Five Year Review

Mitsuhiro Matsuda addressed the committee that the documents as following should be reviewed and discussed for the Five-Year-Review.

7.7.1 SEMI E99-1104E (Reapproved 0710) “The Carrier ID Reader/Writer Functional Standard: Specification of Concepts, Behavior, and Services” and SEMI E99.1-1104 (Reapproved 0710) “Specification for SECS-I and SECS-II Protocol for Carrier ID Reader/Writer Functional Standard”

Mitsuhiro Matsuda stated as following for the documents.

- Japan Maintenance Task Force to work for revision to SEMI E99 and SEMI E99.1.
- The task force to recruit members for work for these documents
- The task force to propose the SNARF for approval at the next TC Chapter meeting on December 5, 2014

Action Item #1: SEMI Staff to send out email message in order recruit members working for revision to SEMI E99-1104E (Reapproved 0710) “The Carrier ID Reader/Writer Functional Standard: Specification of Concepts, Behavior, and Services” and SEMI E99.1-1104 (Reapproved 0710) “Specification for SECS-I and SECS-II Protocol for Carrier ID Reader/Writer Functional Standard”

7.7.2 SEMI E107-1102 (Reapproved 0710) “Specification of Electric Failure Link Data Format for Yield Management System”

Mitsuhiro Matsuda stated as following for SEMI E107.

- SEMI E107 is related to SEMI G81 and SEMI G85 about Map Data
- The revision should be required all through the document when it is revised.
- Japan TC Chapter to recruit members for work for this document
- In case of no member for revision work, Japan TC Chapter would take no action which makes E107 Inactive Status

Action Item #2: SEMI Staff to send out email message in order recruit members working for revision to SEMI E107-1102 (Reapproved 0710) “Specification of Electric Failure Link Data Format for Yield Management System”

7.8 Withdrawal of SNARF #5600

Yoshihisa Takasaki addressed the committee on the proposal of Withdrawal of #5600: SNARF for 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

Motion:	To approve the withdrawal of #5600: SNARF for 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
By / 2nd:	Yoshihisa Takasaki (Dainippon Screen Mfg.) / Tadashi Mochizuki (Tokyo Electron)
Discussion:	None
Vote:	10 in favor and 0 oppose. Motion passed.

Japan TC Chapter decided to withdraw SNARF #5600.

7.9 Discussion on the SEMI E84 Revision Activity

Mitch Sakamoto reported SEMI E84 Error Signaling Update as attached. The content of the report was agreed by the Japan TC Chapter of PIC Global Technical Committee at the meeting on September 12, 2014. The Japan TC Chapter of PIC Global Technical Committee has widely called members for a report if any other parts should be revised in the document.

Attachment: [08_E84-Error-Signalling++](#)

8 Action Item Review

8.1 *Open Action Items*

None

8.2 *New Action Items*

Chie Yanagisawa (SEMI Japan) 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 Japan TC Chapter of Information and Control Global Technical Committee is scheduled for Friday, December 5, 2014 at Japan Standards Winter 2014 Meetings in conjunction with SEMICON Japan 2014 in Tokyo. The time and the venue to be decided.

Respectfully submitted by:
 Chie Yanagisawa
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 SEMI Japan
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Minutes approved by:

Takayuki Nishimura (SCREEN Semiconductor Solutions*), Co-chair	November 19, 2014
Mitsuhiro Matsuda (Hitachi Kokusai Electric), Co-chair	November 19, 2014

*Danippon Screen Mfg. transmitted to SCREEN Holdings effect on October 1, 2014

Table 8 Index of Available Attachments #1

#	<i>Title</i>	#	<i>Title</i>
01	EU_EA_Liaison Report September 5, 2014	05	5601_ProceduralReview_0.2a
02	KR_I&C_liaison_20140916	06	JA_GEM300TF Report_20140918_R1
03	NA I&C report September 2014	07	JA_PCL_TF_Report_2014_0918_R1.0
04	SEMI Staff Report 2014 September_R0.2a	08	E84-Error-Signalling++

#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.