

Japan Information & Control Committee Meeting Summary and Minutes

SEMICON Japan 2013, Chiba, Japan
Friday, December 6, 2013, 1:05 p.m. - 4:40 p.m.
#202, International Conference Hall, Makuhari Messe, Chiba

Next Committee Meeting

Wednesday, April 16, 2014, 1:30 p.m. - 5:00 p.m. Japan Standard Time
Japan Spring Meetings 2014, 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: 17 + **SEMI:** 1

Company	Last	First	Company	Last	First
Algo System	Ogihara	Hideaki	<i>Murata Machinery</i>	<i>Kondo</i>	<i>Hiroshi</i>
Canon Anelva	Sato	Mitsugu	SEMATECH	Ferrell	Jackie
Dainippon Screen Mfg.	Nishimura	Takayuki	Pionics	Somei	Tadashi
Dainippon Screen Mfg.	Takasaki	Yoshihisa	Tokyo Electron	Asakawa	Terry
Hitachi High-Technologies	Toyoshima	Yuko	Tokyo Electron	Mochizuki	Tadashi
Hitachi Kokusai Electric	Matsuda	Mitsuhiro	Tokyo Electron	Murata	Naoko
IT Innovation	Kim	Won Tae	Tokyo Electron	Sakamoto	Mitch
Midoriya Electric	Takahashi	Kazuo	Tokyo Seimitsu	Sasaki	Mie
Mitsubishi Electric	Sambu	Ken	SEMI Japan	Yanagisawa	Chie

Table 2 Leadership Changes

Group	Previous Leader	New Leader
GEM300 TF	Tadashi Mochizuki stepped down. Yoshihisa Takasaki remained.	TBD

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.

Document #	Document Title	Committee Action
5422A	New Standard: "Guide for Equipment Information System Security"	Superclean
5538	New Standard: "Specification for Production Recipe Cache (PRC)"	Failed and was returned to the Task Force for rework.
5602	Reapproval of SEMI E54.19-0308: "Specification of Sensor/Actuator Network for MECHATROLINK"	Superclean
5603	Line-Item Revision to SEMI E54.12-0701E (Reapproved 1211): "Specification for Sensor/Actuator Network Communications for CC-Link"	--
Line Item 1	Add SDM (specific device model) Mapping	Superclean
Line Item 2	Correct existing obvious error	Superclean

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

#	When	SC/TF/WG	Details
5486A	Cycle 2/3-2014	Predictive Carrier Logistics (PCL) TF	New Standard: “ <i>Specification for Predictive Carrier Logistics (PCL)</i> ”
5538A	Cycle 2/3-2014	GEM300 TF	New Standard: “ <i>Specification for Production Recipe Cache (PRC)</i> ”
5600	Cycle 3/4-2014	GEM300 TF	Line-item revision to “ <i>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</i> ”
5615	Cycle 2/3-2014	JA I&CC Maintenance TF	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> ”

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

#	Type	SC/TF/WG	Details
None			

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
None		

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

Item #	Assigned to	Details
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. ⇒ Close.

1 Welcome, Reminders, and Introductions

Takayuki Nishimura (Dainippon Screen Mfg.), co-chair, called the meeting to order at 13:05. 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_20130925_E+J

2 Review of Previous Meeting Minutes

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

Motion:	To approved the minutes of the previous meeting held on September 19, 2013 as described.
By / 2nd:	Mitsuhiro Matsuda (Hitachi Kokusai Electric) / Yoshihisa Takasaki (Dainippon Screen Mfg.)
Discussion:	None
Vote:	11 in favor and 0 opposed. Motion Passed.

Attachment: 02, 130919_Japan-ICC-Minutes_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 Dec._R0.1

4 Technical Committee Award

The Japan Information & Control Committee gave the Technical Committee Awards to the members as following.

- Terry Asakawa (Tokyo Electron)
- Mitsugu Sato (Canon Anelva)
- Mie Sasaki (Tokyo Seimitsu)
- Hideaki Ogihara (Algo System)

5 Liaison Reports

5.1 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 November 2013

5.2 Europe Equipment Automation Committee

The report was presented by Mitsuhiro Matsuda.

- Leadership
- Committee Organization
- Meeting Information
- Activity Highlights

Attachment: 05, EA Liaison Report_Oct_2013_v1

5.3 Taiwan Information & Control Committee

Chie Yanagisawa (SEMI Japan) reported there was no update for Taiwan Information & Control Committee.

5.4 Korea Information & Control Committee

The report was presented by Mitsuhiro Matsuda.

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

Attachment: 06, KR_I&C_liaison_20131201

6 Ballot Review

6.1 Document #5422A, New Standard: “*Guide for Equipment Information System Security*”

There was no reject and comment to the document #5422A. The author of the document, Mitch Sakamoto, made a motion as attached. Document **passed** technical review and to be sent to A&R procedure. See attachment below for detail of ballot adjudication.

Attachment: 07, Ballot Review for 5422A

6.2 Document #5538, New Standard: “*Specification for Production Recipe Cache (PRC)*”

The leader of GEM300 Task Force, Yoshihisa Takasaki (Dainippon Screen Mfg.), picked up one negative from the others and the committee discussed it. Meeting Chair, Takayuki Nishimura (Dainippon Screen Mfg.), required Interest Voting at the request of Jackie Ferrell(SEMATECH). Although the motion “Negative is related and not persuasive” was made as attached, the result of the interest vote at the committee was not over 2/3 with 6 in favor and 4 opposed. So, the document **failed** technical review and was returned to the task force for rework. See attachment below for detail of ballot adjudication.

Attachment: 08, Ballot Review for 5538

6.3 Document #5602, Reapproval of SEMI E54.19-0308: “*Specification of Sensor/Actuator Network for MECHATROLINK*”

There was no reject and comment to the document #5602. The author of the document, Hideaki Ogihara (Algo System), made the motion as attached. The document **passed** technical review and to be sent to the A&R procedure. See attachment below for detail of ballot adjudication.

Attachment: 09, Ballot Review for 5602

6.4 Document #5603, Line-Item Revision to SEMI E54.12-0701E (Reapproved 1211): “*Specification for Sensor/Actuator Network Communications for CC-Link*”

There was no reject and comment to the document #5603. The author of the document, Hideaki Ogihara, made the motion as attached. The document **passed** technical review and to be sent to the A&R procedure. See attachment below for detail of ballot adjudication.

Attachment: 10, Ballot Review for 5603

7 Task Force Reports

7.1 GEM 300 Task Force

The task force co-leader, Yoshihisa Takasaki, reported for GEM 300 Task Force. Of note:

- Document #5538 failed technical review above and #5538A to be reballoted. Proposal to be made at the new business section below.

- Tadashi Mochizuki (Tokyo Electron) stepped down from the co-leader of the task force and Yoshihisa Takasaki asked for a new co-leader.

Attachment: 11, JA_GEM300TF Report_20131206_R1

7.2 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*” was balloted for Cycle 6 and the document passed as balloted at the ballot review above.
- The discussion on the future activity of the task force to be made at the New Business section below.

Attachment: 12, EISS_TF_Report_Japan_2013+01

7.3 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 were balloted for Cycle 6 and passed as balloted at the ballot review above.
 - #5602: Reapproval of SEMI E54.19-0308: “*Specification of Sensor/Actuator Network for MECHATROLINK*”
 - #5603: Line-Item Revision to SEMI E54.12-0701^E (Reapproved 1211): “*Specification for Sensor/Actuator Network Communications for CC-Link*”
- Some documents need to be revised at SDM section in consequence of SEMI E54.22-0613 “*Specification for Sensor/Actuator Network Specific Device Model for Vacuum Pressure Gauges*” which was newly published.
- Summary of EatherCAT Technology Group (ETG) Activity related to SEMI E54
 - SEMI E54 doesn’t provide enough SDMs. Further mapping or reference may be expected.
 - Models on ETG documents are very poor to describe what the devices are and they are probably written to have XML profile structure.
 - Services are not assigned onto specific objects but the documents define just commands and maps of their specific addresses.
 - ETG documents specify a part of necessary capabilities of devices: something like Largest Common Denominator.
 - ETG5003_2020 MFC and SEMI E54.3 are very different, for example, but ETG specifications will be ‘DE Fact’ standard.

The co-chairs, Mitsuhiro Matsuda (Hitachi Kokusai Electric), mentioned that the Japan Information & Control Committee has been concerned the quality of ETG documents which could influence on SEMI Standards and that the task force would continue to watch them. He asked the members concerned for participation.

The co-chairs, Takayuki Nishimura (Dainippon Screen Mfg.), also mentioned that not a small number of engineers in the industry recognized ETG documents as SEMI Standards due to the name including “Semi-Profile”, which could be a negative impact on SEMI Standards and already caused confusion in the industry.

Attachment: 13, SAN2013SemiconJ

7.4 Predictive Carrier Logistics (PCL) Task Force

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

- Scope of #5486A: Division of #5486 PCL

- Stagnation Prediction (SPJ+PEC) and Carrier Logistics Job (CLJ) → #5486A PCL
- E87 Load Port Status issue and E87 Carrier Out issue → As E87 revision such as “Load port Synchronization/Arbitration” → Proceeded in joint PCL/GEM300 TF meetings
- Carrier Logistics Job (CLJ) scenario discussion on Fixed Buffer case and Internal Buffer case
- Proposal for Ballot #5486A submission to be made at the New Business section below.

Attachment: 14, PCL_TF_Report_2013_1206

7.5 JA I&CC Maintenance Task Force

The task force co-leader, Mitsuhiro Matsuda (Hitachi Kokusai Electric), reported that the task force reviewed the draft document #5615: 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*” and planned to submit the document for Cycle 2-2014 or Cycle 3-2014. The proposal for submission to be made at the Old Business section below.

Attachment: 15, 20131206JJPMaintenanceTF-Report_r1

7.6 Fiducial Mark Interoperability Task Force

The task force co-leader, Mitsuhiro Matsuda (Hitachi Kokusai Electric), reported for the Fiducial Mark Interoperability Task Force as following.

- TF leadership meetings were held on September 26, October 27-28, and November 22, 2013, with discussion on TF activity and Kick off meeting
- TF activity was reported to International 450mm Wafer TF meeting in conjunction with SEMI North America Standards Fall meetings on October 29, 2013.
- Kick off meeting was held on December 3, 2013 with 23 attendees
 - Shared current fiducial mark development status at G450C based on G450C/F450C Standard Workshop presentation
 - Discussed potential areas for Standardization
 - Recognized potential need for communication of Fiducial Mark condition/readability information but not reached any conclusion.
- Next meeting: TBD

Attachment: 16, 20131204FMI-TF-Report_r1

8 Old Business

8.1 Proposal for submission of Document #5615:

The leader of JA I&C Maintenance Task Force, Mitsuhiro Matsuda (Hitachi Kokusai Electric), made a proposal as below.

Motion:	To submit Ballot #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 2-2014 or Cycle 3-2014
By / 2nd:	Mitsuhiro Matsuda (Hitachi Kokusai Electric) / Hideaki Ogihara (Algo System)
Discussion:	None
Vote:	12 in favor and 0 opposed. Motion passed.

9 New Business

9.1 Future activity for the Equipment Information System Security (EISS) Task Force

The task force leader, Mitch Sakamoto (Tokyo Electron), said that he asked for advice to co-chairs of Japan Information & Control Committee whether the task force should be discharged or not after the ballot 5422A

would be published as a SEMI Standard near future and that the co-chairs recommended to keep the task force activity for a while. Mitch Sakamoto also made a presentation for this activity as the attachment and concluded that he would like to continue the discussion for this activity in the future.

Attachment: 17, #EISS_GUIDE_Presentation_Japan_2013+01

9.2 Proposal for submission of Ballot #5538A

The leader of GEM 300 Task Force, Yoshihisa Takasaki (Dainippon Screen Mfg.), made a proposal as below.

Motion:	To submit Ballot 5538A: New Standard: “ <i>Specification for Production Recipe Cache (PRC)</i> ” for Cycle 2-2014 or Cycle 3-2014
By / 2nd:	Yoshihisa Takasaki (Dainippon Screen Mfg.) / Mitsuhiro Masuda (Hitachi Kokusai Electric)
Discussion:	None
Vote:	13 in favor and 0 opposed. Motion passed.

9.3 Proposal for submission of Ballot #5600

The leader of GEM 300 Task Force, Yoshihisa Takasaki, also made a proposal as below.

Motion:	To submit Ballot #5600: Line-item revision to “ <i>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</i> ” for Cycle 3-2014 or Cycle 4-2014
By / 2nd:	Yoshihisa Takasaki (Dainippon Screen Mfg.) / Tadashi Mochizuki (Tokyo Electron)
Discussion:	None
Vote:	13 in favor and 0 opposed. Motion passed.

9.4 Proposal for submission of Ballot #5486A

The leader of PCL Task Force, Terry Asakawa (Tokyo Electron), made a proposal as below.

Motion:	To submit Ballot #5486A: New Standard: “ <i>Specification for Predictive Carrier Logistics (PCL)</i> ” for Cycle 2-2014 or Cycle 3-2014
By / 2nd:	Terry Asakawa (Tokyo Electron) / WonTae Kim (IT Innovation)
Discussion:	None
Vote:	13 in favor and 0 opposed. Motion passed.

10 Action Item Review

10.1 Open Action Items

None.

10.2 New Action Items

None.

11 Next Meeting and Adjournment

The next meeting of Japan Information & Control Committee was scheduled as following.

Date and Time: Wednesday, April 16 13:30-17:00

Venue: JPR Conference Room 2, SEMI Japan, Tokyo

Having no further business, a motion was made by Takayuki Nishimura, co-chair, to adjourn the Japan Information & Control Committee meeting at Conference Room 202, International Conference Hall, Makuhari Messe. The meeting unanimously adjourned at 16:40.

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 January 9, 2014
 Mitsuhiro Matsuda (Hitachi Kokusai Electric), Co-chair January 9, 2014

Table 8 Index of Available Attachments #1

#	<i>Title</i>	#	<i>Title</i>
01	Required Elements Reg_20130925_E+J	10	Ballot Review for 5603
02	130919_Japan-ICC-Minutes_Final	11	JA_GEM300TF Report_20131206_R1
03	SEMI Staff Report 2013 Dec._R0.1	12	EISS_TF_Report_Japan_2013+01
04	NA I&C report November 2013	13	SAN2013SemiconJ
05	EA Liaison Report_Oct_2013_v1	14	PCL_TF_Report_2013_1206
06	KR_I&C_liaison_20131201	15	20131206JPMaintenanceTF-Report_r1
07	Ballot Review for 5422A	16	20131204FMI-TF-Report_r1
08	Ballot Review for 5538	17	#EISS_GUIDE_Presentation_Japan_2013+01
09	Ballot Review for 5602		

#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.