

Japan TC Chapter of Physical Interfaces & Carriers Global Technical Committee Meeting Summary and Minutes

Japan Standards Winter 2014 Meetings in conjunction with SEMICON Japan 2014
Thursday, December 4, 2014, 2:00 p.m. – 5:00 p.m.
Tokyo Big Sight Conference Tower, Tokyo, Japan

Next Committee Meeting

Wednesday, April 15, 2015, 1:30 p.m. – 5:00 p.m. <Japan Standard Time>
Japan Standards Spring 2015 Meetings
SEMI Japan office, Tokyo, Japan

Committee Announcements (optional)

None

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Tsuyoshi Nagashima (Miraial), Tsutomu Okabe (TDK), Kenji Yamagata (Daifuku)

SEMI Staff: Chie Yanagisawa (SEMI Japan)

Attendee: 15 + **SEMI:** 1

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Acteon	Komatsu	Shoji	Murata Machinery	Yamamoto	Makoto
Daifuku	Suzuki	Tomoko	SCREEN Semiconductor Solutions	Takasaki	Yoshihisa
Daifuku	Yamagata	Kenji	Sinfonia Technology	Otani	Mikio
Kumai Consulting	Kumai	Sadao	Sinfonia Technology	Taniyama	Yasushi
Miraial	Nagashima	Tsuyoshi	SUMCO	Nakai	Tetsuya
Murata Machinery	Fukushima	Masazumi	TDK	Okabe	Tsutomu
Murata Machinery	Murata	Masanao	Tokyo Electron	Kobayashi	Sensho
Murata Machinery	Shimamura	Kazunori	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>
5524	Revision to SEMI E156-0710, “Mechanical Specification for 450 mm AMHS Stocker to Transport Interface, with title change to Mechanical Interface Specification for 450 mm AMHS Stocker to Transport Equipment”	Failed and returned to the task force
5777	Reapproval of SEMI E92-0302E, “Specification for 300 mm Light Weight and Compact Box Opener/Loader to Tool-Interoperability Standard (Bolts/Light)”	Passed as balloted Superclean

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

#	When	SC/TF/WG	Details
5524A	Cycle 4-15	450mm AMHS TF	Revisions to SEMI E156-0710, “Mechanical Specification for 450 mm AMHS Stocker to Transport Interface”, with title change to “Specification for Mechanical Interfaces between 450 mm AMHS Stocker and Transport Equipment”

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

None

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

Item #	Assigned to	Details
141204-1	SEMI Staff	To convey the message that Japan PIC members would ask to change the week of the North America Standards Spring meeting from the end of March to as least one week earlier or one week later in order that Japan members would be available to attend the meetings in person because fiscal year ends March at most of the companies in Japan.

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

None

1 Welcome, Reminders, and Introductions

Tsuyoshi Nagashima (Mirial), co-chair, called the meeting to order at 2:00 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.

Motion:	Approve the previous meeting minutes with modifying the title of Ballot #5524 of Table 4
By / 2nd:	Kenji Yamagata (DAIFUKU) / Shoji Komatsu (Acteon)
Discussion:	None
Vote:	10 in favor and 0 opposed. Motion passed.

3 Technical Committee Awards

The Japan TC Chapter of Physical Interfaces and Carriers Global Technical Committee gave the Technical Committee Awards to the following four members for the dedication to the development of the revision to SEMI E156 in 450 mm AMHS TF

- Yoichi Motoori / Murata Machinery, Ltd.
- Kenji Yamagata / DAIFUKU CO., LTD.
- Supika Mashiro / Tokyo Electron Limited
- Asako Suzuki /DAIFUKU CO., LTD.
- Masanao Murata / Murata Machinery, Ltd.

4 Liaison Reports

4.1 Europe TC Chapter of PI&C Global Technical Committee

Chie Yanagisawa (SEMI Japan) reported for the Europe TC Chapter of Global Technical Committee as attached. Of note:

- International Reticle SMIF Pod & Loadport Interoperability TF
 - Leaders: Jan Rothe (GlobalFoundries) & Koji Ohyama (Dainichi Shoji)
 - Leadership Change
 - Co-Chair Astrid Gettel (GlobalFoundries) was replaced by Jan Rothe (GlobalFoundries)
 - No new activity.
- Revision of E48 TF
 - This TF was sunset at the last technical committee meeting (Oct 8, 2014)
 - Effort to renew SEMI E48 will not be pursued by the Europe's Equipment Automation Committee
 - SEMI E48 will be allowed to go inactive unless renewed by another region

Attachment: [01_141022_Europe_PIC_LiaisonReport](#)

4.2 North America TC Chapter of PI&C Global Technical Committee

Tsuyoshi Nagashima (Mirial) reported for the North America TC Chapter of PI&C Global Technical Committee as attached.

Attachment: [02_NA PIC Report NOV 2014 MT](#)

4.3 SEMI Staff Report

Chie Yanagisawa (SEMI Japan) gave the SEMI Staff Report as attached.

The request was made at the meeting that SEMI Japan should hold a training session for the new SEMI Standards Regulations and Procedure Guide.

Attachment: [03_SEMI Staff Report 2014 December_R0.3](#)

5 Ballot Review

5.1 Document 5524 (Revision to SEMI E156-0710) and Document 5777 (Reapproval of SEMI E92-0302E)

The details of ballot review are found in the attachments of "Ballot_Review_for_5524" and "Ballot_Review_for_5777".

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5777	Reapproval of SEMI E92-0302E, "Specification for 300 mm Light Weight and Compact Box Opener/Loader to Tool-Interoperability Standard (Bolts/Light)"	Passed as balloted Superclean

Attachment: [04_Ballot_Review_for_5524](#), [05_Ballot_Review_for_5777](#)

6 Subcommittee & Task Force Reports

6.1 Global PIC Standards Maintenance Task Force

Shoji Komatsu (Acteon) reported for the task force as attached. Of note:

- Ballot #5777 passed as balloted at this meeting.

- The task forced would propose to make SEMI E110-1102 inactive at the New Business section of this meeting.
- Discussion of SEMI E84.

Attachment: [06_Maintenance TF meeting Minutes rev0-20141128](#)

6.2 International 450 mm Physical Interfaces & Carriers (IPIC) Task Force

Shoji Komatsu (Acteon) reported for the task force as attached. Of note:

- 450mm Overview (AUX023)
- SEMI E83 revision (Doc.5759)

Attachment: [07_450mmIPIC-TF_Report_141204](#)

6.3 International Process Module Physical Interface (IPPI) Task Force

Shoji Komatsu reported for the task force that there has been no activity.

6.4 Int'l Reticle SMIF Pod & Load Port Interoperability Task Force

No report was made.

6.5 450 mm AMHS Task Force

Kenji Yamagata (DAIFUKU) reported for the task force as attached. Of note:

- Ballot #5524 (Revision to SEMI E156) failed at the ballot review at this meeting.
- The task forced would propose to submit Ballot #5524A for Cycle 4-2015 at the New Business section of this meeting.

Attachment: [08_20141204 JA 450mm AMHS TF Report R0.0](#)

6.6 Fiducial Mark Interoperability Task Force

Mitsuhiro Matsuda (Hitachi Kokusai Electric) reported for the task force as attached. Of note:

- Ballot #5752 (Revision to SEMI T7) developed by the North America TC Chapter of Traceability Global Technical Committee to be reviewed at the Japan TC Chapter of Traceability Global Technical Committee on December 5, 2014.

Attachment: [09_20141203FMI-TF-Report_r0](#)

6.7 International 450mm Shipping Box Task Force and JA Shipping Box Task Force (under Silicon Wafer Global Technical Committee)

Shoji Komatsu reported for those two task forces as attached. Of note:

- Doc. 5069B: 450 mm Wafer Shipping System
- Ballot #5771: 450 FOSB (Revision to SEMI M80)

Attachment: [10_450mm SB-TF_Report_141203](#)

6.8 International 450mm related activities under Silicon Wafer Global Technical Committee

Tetsuya Nakai (SUMCO) reported for the 450mm related activities under Silicon Wafer Global Technical Committee as attached. Of note:

- Doc. 5604: Line Item Revision to SEMI M1-0114, Specification for Polished Single Crystal Silicon Wafer and SEMI M20-0110, Practice for Establishing a Wafer Coordinate System
- Doc. 5742 (Revision to SEMI M62)
- Approval of Ballot submission of Doc. 5655 and Doc. 5794 for Cycle 3 or 4-2015

Attachment: [11_Japan-SiWafer-Committee_141204](#)

7 Old Business

None

8 New Business

8.1 Proposal of Inactivating SEMI E110-1102

Shoji Komatsu (Acteon) proposed SEMI E110 inactive as following.

Motion:	Approve to make SEMI E110-1102, “Guideline for Indicator Placement Zone and Switch Placement Volume of Load Port Operation Interface for 300 mm Load Ports” inactive
By / 2nd:	Shoji Komatsu (Acteon) / Tsutomu Okabe (TDK)
Discussion:	None
Vote:	9 in favor and 0 opposed. Motion passed.

8.2 Proposal of Ballot 5524A Submission

Kenji Yamagata (DAIFUKU) proposed submission of Ballot 5524A (Revision to SEMI E156) for Cycle 4-2015

Motion:	Approve the submission of Ballot 5524A for Revisions to SEMI E156-0710, “Mechanical Specification for 450 mm AMHS Stocker to Transport Interface”, with title change to “Mechanical Interface Specification for 450 mm AMHS Stocker to Transport Equipment” for Cycle 4-2015
By / 2nd:	Kenji Yamagata (DAIFUKU) / Makoto Yamamoto (Murata Machinery)
Discussion:	None
Vote:	8 in favor and 0 opposed. Motion passed.

9 Action Item Review

9.1 Open Action Items

None

9.2 New Action Items

Chie Yanagisawa (SEMI Japan) reviewed the new action item. This can be found in the New Action Items table at the beginning of these minutes.

10 Next Meeting and Adjournment

The next meeting of the Japan TC Chapter of PI&C Global Technical Committee is scheduled for Wednesday, April 15, 1:30 p.m. – 5:00 p.m. at Japan Standards Spring 2015 Meetings at SEMI Japan office in Tokyo.

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

Tsuyoshi Nagashima (Miraial), Co-chair	April 15, 2015
Tsutomu Okabe (TDK), Co-chair	April 15, 2015
Kenji Yamagata (DAIFUKU), Co-chair	April 15, 2015

Table 8 Index of Available Attachments #1

#	<i>Title</i>	#	<i>Title</i>
01	141022_Europe_PIC_LiaisonReport	07	450mmIPIC-TF_Report_141204
02	NA PIC Report NOV 2014 MT	08	20141204 JA 450mm AMHS TF Report R0.0
03	SEMI Staff Report 2014 December_R0.3	09	20141203FMI-TF-Report_r0
04	Ballot_Review_for_5524,	10	450mm SB-TF_Report_141203
05	Ballot_Review_for_5777	11	Japan-SiWafer-Committee_141204
06	Maintenance TF meeting Minutes rev0-20141128		

#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.