



Physical Interface & Carriers Japan TC Chapter

Meeting Summary and Minutes

Japan Standards Spring 2017 Meetings
 Wednesday, April 19, 2017, 13:30 – 17:00
 SEMI Japan, Tokyo, Japan

TC Chapter Announcements
 Next TC Chapter Meeting
 July 26, 2017, 14:00-17:00
 SEMI Japan, Tokyo, Japan

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Tsuyoshi Nagashima (Miraial), Kenji Yamagata (DAIFUKU), Toyoda Noriyoshi (Hirata Corporation)
SEMI Staff: Chie Yanagisawa (SEMI Japan)

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Acteon NEXT	Komatsu	Shoji	Sinfonia Technologies	Otani	Mikio
DAIFUKU	Yamagata	Kenji	SUMCO	Nakai	Tetsuya
<i>GlobalFoundries</i>	<i>Zimmerhackl</i>	<i>Olaf</i>	Yamamoto Planning	Yamamoto	Makoto
Hitachi Kokusai Electric	Matsuda	Mitsuhiro			
Kumai Consulting	Kumai	Sadao	SEMI Japan	Yanagisawa	Chie

Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
International 450 mm PI&C TF	Shoji Komatsu (Acteon NEXT)	*The task force under the Japan TC Chapter is discharged.

Table 3 Committee Structure Changes

<i>Previous WG/TF/SC Name</i>	<i>New WG/TF/SC Name or Status Change</i>
International 450 mm PI&C TF	The TF under the Japan TC Chapter is discharged.
Fiducial Mark Interoperability Task Force	The TF is under the Japan TC Chapters of Silicon Wafers, PI&C, I&C, Traceability and Assembly & Packaging. The TF's discharge will be completed when agreed by all those TC Chapters. The Silicon Wafers agreed on March 9 and Assembly & Packaging agreed on March 13. The PI&C agreed at this meeting.

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
6130	Reapproval of SEMI E84-1109: Specification for Enhanced Carrier Handoff Parallel I/O Interface	Passed as balloted

Note 1: **Passed** ballots and line items will be submitted to the ISC Audit & Review Subcommittee for procedural review.



Note 2: **Failed** ballots and line items were returned to the originating task forces for re-work and re-balloting or abandoning.

Table 5 Activities Approved by the GCS prior to the Originating TC Chapter meeting

#	Type	SC/TF/WG	Details
None			

Table 6 Authorized Activities

Listing of all revised or new SNARF(s) approved by the Originating TC Chapter.

#	SC/TF/WG	Details
None		

Note 1: SNARFs and TFOFs are available for review on the SEMI Web site at:

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

Table 7 Authorized Ballots

#	When	TF	Details
None			

Table 8 SNARF(s) Granted a One-Year Extension

#	TF	Title	Expiration Date
None			

Table 9 SNARF(s) Abolished

#	TF	Title
None		

Table 10 Standard(s) to receive Inactive Status

Standard Designation	Title
None	

Table 11 New Action Items

Item #	Assigned to	Details
None		

Table 12 Previous Meeting Action Items

Item #	Assigned to	Details
None		



1 Welcome, Reminders, and Introductions

Kenji Yamagata (DAIFUKU) 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_20150327_E+J

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion: Approve the previous meeting minutes with small editorial changes

By / 2nd: Mitsuhiro Matsuda (Hitachi Kokusai Electric) / Makoto Yamamoto (Yamamoto Planning)

Discussion: None

Vote: 6 in favor and 0 opposed. **Motion passed.**

3 Liaison Reports

3.1 *Physical Interface & Carriers Europe TC Chapter*

There is no update.

3.2 *Physical Interface & Carriers North America TC Chapter*

Kenji Yamagata (DAIFUKU) reported for the Physical Interface & Carriers North America TC Chapter as attached. Of note:

- Global PIC Maintenance TF
 - Review of Cycle 9 ballots
 - Review list of Standards up for Five-Year review
 - The Committee decided to let the following Standards go Inactive:
 - SEMI E162, E1.9, E47, E47.1, E62, E64, E119, E144, E101, E100, E15, and E131
- NA 450 mm ATDP TF (Inactive)
 - No current activity in the NA Region
 - Most of the work has been done in JA 450 mm ATDP TF under the Japan Assembly & Packaging committee
 - The initiating region for Standards developed by the ATDP must be clearly confirmed before NA 450 mm ATDP TF can decide to move forward with disbandment.
- International Reticle SMIF Pod and Load Port Task Force
 - Activities under this task force are finished.
 - Disbandment of the International Reticle SMIF Pod and Load Port TF was approved at the NA Spring TC Chapter meeting on April 5, 2017.
- International 450 mm Physical Interfaces and Carriers Task Force
 - Activities under this task force are finished.
 - Disbandment of the International 450 mm Physical Interfaces and Carriers TF was approved at the NA Spring TC Chapter meeting on April 5, 2017.

Attachment: 02_NA PIC Liaison Report April2017

3.3 SEMI Staff Report

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

- SEMI Global 2017 Calendar of Events
- Global Standards Meeting Schedule
- 2017 Critical Dates for SEMI Standards Ballots
- A&R Ballot Review
- SEMI Standards Publications
- JRSC Organization Chart

Attachment: 03_SEMI Staff Report 20170419_r1

4 Ballot Review

NOTE 1: TC Chapter adjudication on ballots reviewed is detailed in the Audits & Review (A&R) Subcommittee Forms for procedural review. The A&R forms are available as attachments to these minutes. The attachment number for each balloted document is provided under each ballot review section below.

4.1 Document #6130, Reapproval of SEMI E84-1109: Specification for Enhanced Carrier Handoff Parallel I/O Interface

The ballot result was reviewed as the attached Ballot Review Sheet. The ballot passed as balloted.

Attachment: 04_6130_BallotReviewSheet

5 Subcommittee and Task Force Reports

5.1 Global PIC Standards Maintenance TF

Shoji Komatsu (Acteon NEXT) reported for the Global PIC Standards Maintenance Task Force that Ballot #6130 passed as ballot at Ballot Review section of this meeting. He continued there is no issue other than that.

5.2 International 450 mm PIC TF

Shoji Komatsu (Acteon NEXT) reported for the International 450 mm PIC Task Force as follows.

The information of #5974: Auxiliary document should be added to “Referenced Standards and Documents” section of SEMI E154, SEMI E158 and SEMI E159 respectively. This addition will be proposed after this auxiliary document is published. The proposal might be made by the Global PIC Standards Maintenance TF, since the discharge of International 450 mm PIC TF is proposed at the “New Business” section of this meeting.

5.3 Fiducial Mark Interoperability TF

Mitsuhiro Matsuda (Hitachi Kokusai Electric) reported for the Fiducial Mark Interoperability Task Force that the discharge will be proposed at the “New Business” section of this meeting later.

5.4 (Japan Chapter of Silicon Wafer TC) JA Shipping Box TF

Shoji Komatsu (Acteon NEXT) reported for the JA Shipping Box Task Force that a new SNARF for Line Item Revision to SEMI M31 and the ballot submission were approved at the Silicon Wafers Japan TC Chapter meeting held on March 9, 2017.



5.5 (Japan Chapter of Silicon Wafer TC / NA Chapter of PI&C TC) Int'l 450mm Shipping Box TF

Shoji Komatsu (Acteon NEXT) reported for the Int'l 450mm Shipping Box Task Force that there is no update.

6 Old Business

6.1 Safety Check and IP Check for #5974: 450mm PIC Interoperability Report

Chie Yanagisawa (SEMI Japan) addressed the committee on this topic.

The Japan TC Chapter authorized the publication of Doc. 5974: New Auxiliary Information: 450mm PIC Interoperability at the TC Chapter meeting held on December 14, 2016 in conjunction with SEMICON Japan 2016 and the publication of this document was subsequently approved by the GCS on January 17, 2017. However, it was found that the safety check and the IP check for the document were not completed when it was authorized for publication at the TC Chapter meeting on December 14, 2016. Therefore, these checks were completed along with Auxiliary Document Review Sheet at this meeting as attached.

Attachment: 05_5974_BallotReport_AuxInfo

6.2 TEM Grid Survey

Chie Yanagisawa (SEMI Japan) conveyed the message from SEMI North America Staff that they are working on finalizing the draft survey and hope to distribute by the end of the month.

7 New Business

7.1 Discharging Fiducial Mark Interoperability Task Force

Mitsuhiro Matsuda (Hitachi Kokusai Electric) addressed the committee on this topic.

The TF is under the Japan TC Chapters of Silicon Wafers, PI&C, I&C, Traceability and Assembly & Packaging. The TF's discharge will be completed when agreed by all those TC Chapters. The Silicon Wafers agreed on March 9 and Assembly & Packaging agreed on March 13.

Motion: Approve the discharge of Fiducial Mark Interoperability Task Force on the conditions that all of the other related TC Chapters approve it.

By / 2nd: Mitsuhiro Matsuda (Hitachi Kokusai Electric) / Tetsuya Nakai (SUMCO)

Discussion: None

Vote: 6 in favor and 0 opposed. **Motion passed.**

7.2 Discharging International 450 mm PIC Task Force

Shoji Komatsu (Acteon NEXT) addressed the committee on this topic as follows.

Motion: Approve the discharge of International 450 mm PIC TF under PI&C Japan TC Chapter.

By / 2nd: Shoji Komatsu (Acteon NEXT) / Makoto Yamamoto (Yamamoto Planning)

Discussion: None

Vote: 6 in favor and 0 opposed. **Motion passed.**

8 Next Meeting and Adjournment

The next meeting is scheduled for 14:00-17:00, Wednesday, July 26, 2017 at SEMI Japan office, Tokyo, Japan. See <http://www.semi.org/en/events> for the current list of meeting schedules.

Having no further business, a motion was made to adjourn. Adjournment was at 16:30.

Respectfully submitted by:

Chie Yanagisawa

Manager

SEMI Japan

Phone: +81.3.3222.5863

Email: cyanagisawa@semi.org

Minutes tentatively approved by:

Kenji Yamagata (Daifuku), Co-chair	July 4, 2017
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Table 13 Index of Available Attachments^{#1}

<i>Title</i>	<i>Title</i>
01_Required_Elements_Reg_20150327_E+J	04_6130_BallotReviewSheet
02_NA PIC Liaison Report April2017	05_5974_BallotReport_AuxInfo
03_SEMI Staff Report 20170419_r1	

#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.