

Japan PI&C Committee Meeting Summary and Minutes

SEMICON Japan 2012
7th December 2012, 09:00-12:00
Makuhari Messe, Chiba, Japan

Next Committee Meeting

7th March, 2013, 13:30 -17:00 Japan Standard Time
Japan Standards Spring Meetings 2013, Tokyo, Japan

Committee Announcements (optional)

None

Table 1 Meeting Attendees

Co-Chairs: Shoji Komatsu (Acteon), Tsuyoshi Nagashima (Miraial), Tsutomu Okabe (TDK),

SEMI Staff: Hirofumi Kanno

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Acteon	Komatsu	Shoji	Sinfonia Technology	Taniyama	Yasushi
Miraial	Nagashima	Tsuyoshi	Dainichi Shoji K.K	Ohyama	Koji
TDK	Okabe	Tsutomu	Daifuku	Shibata	Suguru
TEL	Mashiro	Supika	Muratec	Tokumoto	Mitsuya
Daifuku	Yamagata	Kenji	Consultant	Shimizu	Yasuhiro
Consultant	Kumai	Sadao	Sinfonia Technology	Otani	Mikio
SUMCO	Nakai	Tetsuya	TEL	Kobayashi	Sensho
Muratec	Yamamoto	Makoto	Entegris	Eric	Olson

Table 2 Leadership Changes

<i>Group</i>	<i>Previous Leader</i>	<i>New Leader</i>
Japan PI&C Committee	Shoji Komatsu / Acteon *1	Tsuyoshi Nagashima / Miraial
	Tsuyoshi Nagashima / Miraial	Tsutomu Okabe / TDK
	Tsutomu Okabe / TDK	Kenji Yamagata / Daifuku *2
450 mm AMHS Task Force, co-leader		Yoichi Motoori / Muratec

Note 1, Shoji Komatsu / Acteon stepped down as a co-chair of the Japan PI&C committee.

Note 2, Kenji Yamagata / Daifuku will be appointed as a new co-chair of the Japan PI&C committee after JRSC approval.

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>
Doc. 5489	Reapproval of SEMI E85-1108 : Specification for Physical AMHS Stocker to Interbay Transport System Interoperability	Passed as balloted (Super clean)
Doc. 5488	New Standard Specification for 450 mm Cluster Module Interface: Mechanical Interface and Transport Standard to E21 Cluster Tool Module Interface: Mechanical Interface and Wafer Transport Standard	Failed and was returned to the Task Force for rework

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

#	When	SC/TF/WG	Details
Doc. 5488A	Cycle 1-2013	International Process Module Physical Interface TF (IPPI-TF)	New Standard Specification for 450 mm Cluster Module Interface: Mechanical Interface and Transport Standard to E21 Cluster Tool Module Interface: Mechanical Interface and Wafer Transport Standard

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

#	Type	SC/TF/WG	Details
	TFOF	450 mm AMHS Task Force	Revised TFOF for 450 mm AMHS 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)

Item #	Assigned to	Details
None		

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

Item #	Assigned to	Details
PIC-041312-1	Shoji Komatsu	Shoji Komatsu to send a part of report materials of the 450 IPIC TF after checking to SEMI Staff. →Shoji Komatsu to remove the confidential document in the Task Force report and send it to SEMI Staff. <Closed>
PIC090712-1	Shoji Komatsu	To ask the 450 mm AMHS Task Force to propose the TF's scope change and to propose a candidate as a new co-leader of the TF at the next committee meeting. <Closed>

1 Welcome, Reminders, and Introductions

Shoji Komatsu called the meeting to order at 9:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 01, 2_Required Elements Reg_20100302_E+J

2 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting.

Motion: To approve the minutes of the previous meeting
By / 2nd: Tsuyoshi Nagashima (Miraial) / Sadao Kumai (Consultant)
Discussion: None
Vote: 11:0

Attachment: 02, JA PI&C Meeting Minutes090712

3 Technical Committee Award

The Japan PI&C Committee gave the Technical Committee Awards to Supika Mashiro (TEL), Kenji Yamagata (Daifuku), Hidetoshi Sato (Hitachi High-Technologies), Sensho Kobayashi (TEL).

4 Liaison Reports

4.1 *Europe Equipment Automation Committee*

Hirofumi Kanno (SEMI) reported for the Europe Equipment Automation Committee. Of note:

- Leadership
- Organization Chart
- Major Activities
- Meeting Information
- Ballot Results
- Upcoming Ballots
- Next Meeting Schedule

Attachment: 03, ERSC Liaison Report Nov 2012

4.2 *North America PI&C Committee*

Hirofumi Kanno (SEMI) reported for the North America PI&C Committee. Of note:

- Leadership
- Organization Chart
- Meeting Information
- Ballot Results
- New Activities
- Upcoming Ballots
- Task Force Reports
- Next Meeting Schedule

Attachment: 04, NA PIC Report December 2012 MT

4.3 *SEMI Staff Report*

Hirofumi Kanno (SEMI) gave the SEMI Staff Report. Of note:

- SEMI global 2012-2013 Calendar of Events
- SEMICON Japan 2012
- 2013 Critical Dates for SEMI Standards Ballots
- Regulation SC
- A&R SC
- SEMI Standards Publication
- New Standards Ballot and Membership Systems

- New Ballot Formatting Templates
- Style Manual and Compilation of Terms
- Contact Information

Attachment: 05, SEMI Staff Report 2012 December R0.2

5 Ballot Review

5.1 Document # 5489, Reapproval of SEMI E85-1108 : Specification for Physical AMHS Stocker to Interbay Transport System Interoperability

- The document was passed as balloted (Super clean). For details of the ballot review, please see the attachment.

Tallies

	Return		Distribution		Return Rate	
Yellow	43	÷	71	=	60.6%	>=60%
Lilac & Others	6					
<hr/>						
Total Vote	49					
Reject	0					
Accept	19					

Attachment: 06, 5489_Ballot Review Result

5.2 Document # 5488, New Standard Specification for 450 mm Cluster Module Interface: Mechanical Interface and Transport Standard to E21 Cluster Tool Module Interface: Mechanical Interface and Wafer Transport Standard

- The document was failed and was returned to the Task Force for rework. For details of the ballot review, please see the attachment.

Tallies

	Return		Distribution		Return Rate	
Yellow	43	÷	71	=	60.6%	>=60%
Lilac & Others	6					
<hr/>						
Total Vote	49					
Reject	1					
Accept	22					

Attachment: 07, 5488_IPPI_Ballot Review Result

6 Subcommittee & Task Force Reports

6.1 Global PIC Standards Maintenance Task Force

Shoji Komatsu (Acteon) reported that there was no update for the Task Force.

6.2 450 mm Int'l PIC Task Force

Shoji Komatsu (Acteon) reported for the Task Force. This report contained information on .

1. Confirmation for proposed revision of the 450LP(E154).

Currently, GCS approval procedure towards the cycle 1 or 2. It is because to put together the two SNARFs.

-SNARF A : Including MAC sentence in E154

-SNARF B : Update the terminology.

2. Transferred to AMHS-TF from IPIC-TF activity update to include MAC/FOSB for E156(Stocker I/F).

3. Confirmation for updated 450 overview(AUX)

The Task Force will be approved by the NA PIC committee on next April update version with some modifications.

4. Under floor space for EFEM robot

Waiting for input from G450C, the Task Force has no discussed.

Motion: To approve for transferred to 450 mm AMHS TF from 450 mm IPIC TF activity update to include MAC/FOSB for E156 (Stoker I/F)

By / 2nd: Makoto Yamamoto (Muratec) / Kenji Yamagata (Daifuku)

Discussion: None

Vote: 10:0

Attachment: 08, 450mm Overview for AUX_121205 rev0

6.3 Int'l Process Module Physical Interface Task Force

Supika Mashiro (TEL) reported for the Task Force. This report contained information on .

- Rework document #5488
 - Use of geometric tolerances may be ambiguous to readers who are not familiar with this type of dimensioning scheme.
 - Dimension y100 should be specified as less than or equal to 490mm.
- Next Task Force Meeting Plan
 - Dec 13th , 6AM PST/8AM CST/3PM CEST/11PM JST for all regions

Motion: To approve that Doc.5488A ballot submission for Cycle 1-2013

By / 2nd: Supika Mashiro / TEL, Makoto Yamamoto / Muratec

Discussion: None

Vote: 11:0

Attachment: 09, IPPI TF_5DEC2012_r0.1

6.4 450 mm AMHS Task Force

Kenji Yamagata (Daifuku) reported for the Task Force. This report contained information on revised TFOF proposal.

Motion: To approve the revised TFOF for 450 mm AMHS Task Force

By / 2nd: Kenji Yamagata / Daifuku, Makoto Yamamoto /Muratec

Discussion: None

Vote: 11:0

Motion: To approve new co-leader of 450 mm AMHS Task Force; Yoichi Motoori / Muratec

By / 2nd: Kenji Yamagata / Daifuku, Makoto Yamamoto /Muratec

Discussion: None

Vote: 11:0

Yoichi Motoori / Muratec has been newly appointed as a co-leader of the 450 mm AMHS Task Force.

Attachment: 10, 20121204_JA 450mm AMHS TF meeting minutes R1.1

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

Koji Ohyama (Dainichi-Shoji K.K) reported for the Task Force.

Attachment: 11, SEMI Reticle pod Interoperability TF_300812V2

6.6 (Silicon Wafer Committee) JA Shipping Box Task Force and Int'l Shipping Box Task Force

Yasuhiro Shimizu (Consultant) reported for the Task Force. This report contained information on the following Topics.

- Revision of 450 FOSB SEMI M80-1111 was Approved @ JA Si wafer C Fall Meeting
 - Alignment to other carrier standards; add RI 2
- 450 mm Wafer Shipping System
 - Under development

Attachment: 12, SHIPPING BOX TF REPORT 2012_12_07

6.7 Updates from Polished /Epi/ASI/AWG (Int'l 450mm related TF) under the global Silicon Wafer Committee

Tetsuya Nakai (SUMCO) reported for the activities. This report contained information on current status of 450 mm wafers Standards and documents, working in progress for 450 mm wafers Standards.

Attachment: 13, Si Wafer Committee Report_121207

7 Old Business

7.1 SNARF Proposal and Letter Ballot Issuance from Int'l Process Module Physical Interface TF

7.2 Planning for STEP/450mm in Conjunction with SEMICON Japan 2012

Shoji Komatsu addressed the committee on these topics above. Also, Hirofumi Kanno announced that STEP / 450 mm is going to be held in 7th December in conjunction with SEMICON Japan 2012.

8 New Business

8.1 Leadership Changes

Shoji Komatsu addressed the committee on this topic. Shoji Komatsu stepped down as a co-chair of the Japan PI&C Committee.

Motion: To propose to assign Kenji Yamagata (Daifuku) for a new co-chair of the Japan PI&C Committee.

By / 2nd: Shoji Komatsu (Acteon), Sadao Kumai (Consultant)

Discussion: None

Vote: 10:0

This proposal forwards to JRSC to approve.

9 Action Item Review

9.1 *Open Action Items*

Hirofumi Kanno (SEMI) reviewed the open action items. These can be found in the Open Action Items table at the beginning of these minutes.

9.2 *New Action Items*

Hirofumi Kanno (SEMI) reviewed the new action items. These 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 PI&C committee is scheduled for 7th March 2013 at Japan Standards Spring Meetings 2013 in Tokyo, Japan.

Respectfully submitted by:
Hirofumi Kanno
Senior Coordinator
SEMI Japan
Phone: +81.3.3222.5862
Email: hkanno@semi.org

Minutes approved by:

Tsuyoshi Nagashima (Miraial)	<Date approved>
Tsutomu Okabe (TDK)	<Date approved>

Table 8 Index of Available Attachments #1

#	Title	#	Title
01	2_Required Elements Reg_20100302_E+J	08	450mm Overview for AUX_121205 rev0
02	JA PI&C Meeting Minutes090712	09	IPPI TF_5DEC2012_r0.1
03	ERSC Liaison Report Nov 2012	10	20121204_JA 450mm AMHS TF meeting minutes R1.1
04	NA PIC Report December 2012 MT	11	SEMI Reticle pod Interoperability TF_300812V2
05	SEMI Staff Report 2012 December R0.2	12	SHIPPING BOX TF REPORT 2012_12_07
06	5489_Ballot Review Result	13	Si Wafer Committee Report_121207
07	5488_IPPI_Ballot Review Result		

#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.