

# Japan Silicon Wafer TC Chapter Meeting Summary and Minutes

**Japan Summer Standards Meeting**  
 Friday, June 10, 2016, 13:30-17:00  
 SEMI Japan Office, Tokyo, Japan

**Next TC Chapter Meeting**

Friday, September 9, 2016, 13:30-17:00,  
 Meeting Room, SEMI Japan Office, Tokyo, Japan

**Table 1 Meeting Attendees**

**Co-Chairs:** Naoyuki Kawai (University of Tokyo), Tetsuya Nakai (SUMCO)

**SEMI Staff:** Junko Collins (SEMI Japan)

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
University of Tokyo	Kawai	Naoyuki	GlobalWafers Japan	Takeda	Ryuji
Kumai Consulting	Kumai	Sadao	Shin'etsu-Handotai	Toda	Naohisa
SUMCO	Nakai	Tetsuya	-	Yoshise	Masanori
Hitachi High Technologies	Ikota	Masami	Raytex Optima	Akiyama	Satoshi
Otsuka Electronics	Mishima	Shunsuke	Kuroda Precision	Ito	Shinji
			SEMI Japan	Collins	Junko

**Table 2 Leadership Changes**

**Table 3 Ballot Results**

**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.

No ballot review

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>

**Table 4 Authorized Ballots**

No authorized ballot

<i>Document #</i>	<i>When</i>	<i>SC/TF/WG</i>	<i>Details</i>

**Table 5 Authorized Activities**

No authorized activity

<i>Document #</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>

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**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
SiW160610-01	Junko Collins	To push gain Shipping Box Task Force leaders SEMI M26-0304 (Reapproved 1110) and SEMI M29-1296 (Reapproved 1110) to be the documents for five year review.
Action Items from Previous meetings		

## 1 Welcome, Reminders, and Introductions

Naoyuki Kawai, committee co-chair, called the meeting to order at 13:30. Self-introductions were made followed by the agenda review.

## 2 Required Meeting Elements

The meeting reminders on program membership requirement, antitrust issues, intellectual property issues and international effective meeting guidelines, were reviewed by Naoyuki Kawai.

**Attachment:** Required\_Elements\_Reg\_20150327\_E+J\_2016StdTemplate

## 3 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting held on June 10, 2016.

**Motion:** To approve the minutes of the previous meeting with editorial changes.

**By / 2<sup>nd</sup>:** Tetsuya Nakai (SUMCO) / M. Yoshise (Self)

**Discussion:** None

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

**Attachment:** Minutes\_160311\_SiW\_Memo R0.4

## 4 SEMI Staff Report

Junko Collins gave the SEMI staff report. This report included Global SEMI Events, Global Standards Meetings Schedule, Ballot Critical Dates, Publication Update, A&R Ballot Review and Contact Information,

**Attachment:** SEMI Staff Report 20160608\_v1.1

## 5 Liaison Reports

### 5.1 Japan Regional Standards Committee (JRSC)

Some high light were included in the staff report and no other special report from the last JRSC meeting.

**Attachment:** None

### 5.2 Global Coordinating Subcommittee (GCS)

Tetsuya Nakai reported for the Global Coordinating Subcommittee (GCS). Of note;

- Since the last meeting, the followings are approved by GCS Vote.
  - ✓ Withdraw the SNARF 5069 for New Standards: Specification for 450mm Wafer Shipping System. (Joint Si & PI&C)
  - ✓ SNARF for NEW STANDARD: Test method for nitrogen content in silicon by charged particle activation analysis
  - ✓ Revision to M1 (from NA)
- International Terminology Task Force and M59 will be discussed at the next GCS face to face meeting during SEMICON West.

**Attachment:** None

### 5.3 North America Silicon Wafer TC Chapter

North America Silicon Wafer TC Chapter reported by T. Nakai. Please see details in the attachement.

**Attachment:** SiWafer NA TC Liaison Report May 2016

### 5.4 Europe Silicon Wafer Committee

Europe Silicon Wafer TC Chapter did not have any meeting since last fall. Hence, no report was submitted.

**Attachment:** None

### 5.5 JEITA / JSNM Report

Nao Kawai reported JEITA activities.

- JSNM allowed SEMI can send liaison member as an observer to JSNM Material Standards Study Group for Semiconductor Supply-Chain (M4S). Since M4S is not open forum same as SEMI, they do not provide detailed information of their activities to SEMI.
- Appointment of a liaison member, Masayoshi Yoshise was appointed as an liaison member, see below.

**Motion:** To appoint M. Yoshise as a liaison member

**By / 2<sup>nd</sup>:** T. Nakai (SUMCO) / S. Kumai (Kumai Consulting)

**Discussion:** None

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

- Next M4S meeting is scheduled on Monday, September 26.
- JEITA silicon-related documents are archived and can be accessed on the JEITA website ([http://www.jeita-smtj.com/jp/index\\_silicon.htm](http://www.jeita-smtj.com/jp/index_silicon.htm)) until 2026/03 from now on, JSNM also started to post those documents with selected reports from old JEITA silicon technology committee.

**Attachment:** None

## 6 Ballot Review

No ballot review at this meeting.

**Attachment:** none

## 7 Task Force Reports

### 7.1 *International 450mm Shipping Box Task Force / JA Shipping Box Task Force*

No special report to this meeting this time.

**Attachment:** None

### 7.2 *International Advanced Wafer Geometry Task Force / Japan AWG Task Force*

Masanori Yoshise reported for the International Advanced Wafer Geometry Task Force / the Japan AWG Task Force. Please see the attachment for details.

**Attachment:** AWG TFレポート160610

### 7.3 *International Polished Wafer Task Force / International 450mm Wafer Task Force*

There was no special report.

**Attachment:** None

### 7.4 *International Epitaxial Wafers Task Force*

There was no particular report except below.

Doc.5989 was submitted to Cycle 4 from NA task force. It will be reviewed at the NA TC Chapter meeting during SEMICON West 2016.

**Attachment:** None

### 7.5 *International Annealed Wafers Task Force*

There no particular report.

**Attachment:** None

### 7.6 *International Terminology Task Force*

There was no meeting and no particular report.

**Attachment:** None

### 7.7 *International SOI Wafers Task Force*

There was no meeting and no particular report.

**Attachment:** None

#### 7.8 International Test Method Task Force / Japan Test Method Task Force

Ryuji Takeda reported for the International Test Method Task Force. Of note;

- Doc5737A was submitted to Cycle4 and return rate reached 60% with two negatives and some comments. The Ballot will be reviewed during SEMICON West Meeting in July. TF will prepare 5737B for Cycle6 or 7 to be reviewed during SEMICON Europa 2016.
- See other details in the attachment.

**Attachment:** Meeting Minutes of Japan Test Method TF on Jun 9th 2016\_v0

#### 7.9 International Advanced Surface Inspection Task Force

Masami Ikota reported for the International Advanced Surface Inspection Task Force. Of note,

- Doc. 5990 was submitted to Cycle 4 (super clean)
- Doc. 5994 was submitted to Cycle 4 (super clean)
- SNARF for revision to MF1048 (as a 5 year review) was approved at the NA TC Chapter meeting. Ballot submission will be discussed at the next NA Chapter meeting.

**Attachment:** None

#### 7.10 Fiducial Mark Interoperability Task Force

Tetsuya Nakai reported for the Fiducial Mark Interoperability Task Force.

- The task force will be disbanded if no necessary to develop standards for backend-area.

**Attachment:** None

#### 7.11 TC Chapter Project

The following items are reviewed at the meeting.

- 3-year Project Period  
No documents to be expanded the project period.
- Consideration of 5-year review  
SEMI M26-0304 (Reapproved 1110) and SEMI M29-1296 (Reapproved 1110) will be discussed by the task force.

**Attachment:** Silicon Project Period Review 2016.06.10  
5 years for Si Wafer June 2016

## 8 Old Business

### 8.1 Previous Meeting Action Items

Junko Collins reviewed the previous meeting action items.

Item #	Assigned to	Details	
SiW150306-01	Junko Collins	1 To forward the modified charter in Agenda 5.1 to GCS for getting approval (including ISC approval) 2 To change the charter on the website.	1 done 2 done
SiW160311-01	Junko Collins	To report Shipping Box Task Force leaders SEMI M26-0304 (Reapproved 1110) and SEMI M29-1296 (Reapproved 1110) to be the documents for five year review.	done
SiW160311-02	Masami Ikota	To get ballot approval of ballot submission of Revision to SEMI MF1811 at NA Spring TC Chapter Meeting.	done
SiW151217-02	Junko Collins	To send the request for approval to withdraw the SNARF 5069 for New Standards: Specification for 450mm Wafer Shipping System	done
SiW151217-04	Junko Collins	To request Global TC members of 2 weeks review on the SNARF for NEW STANDARD: Test method for nitrogen content in silicon by charged particle activation analysis	done

## 9 New Business

No new business

## 10 Action Item Review

### 10.1 New Action Items

Junko Collins reviewed the new action items. These can be found in the New Action Items table at the beginning of these minutes.

SiW160610-01	Junko Collins	To push gain Shipping Box Task Force leaders SEMI M26-0304 (Reapproved 1110) and SEMI M29-1296 (Reapproved 1110) to be the documents for five year review.	
--------------	---------------	--	--

## 11 Next Meeting and Adjournment

The next meeting of the Japan Chapter of Global Silicon Wafer Technical Committee is scheduled for Friday, September 9 2016, 13:30-17:00, SEMI Japan, Tokyo Japan

Having no further business, a motion was made to adjourn the Japan Chapter of Global Silicon Wafer Technical Committee meeting on June 10 in conjunction with the Japan Standards Spring Meeting. Adjournment was at 16:10.



**Minutes respectfully submitted by:**

Junko Collins  
Director, Standards & EHS  
SEMI Japan  
jcollins@semi.org

**Minutes approved by:**

Naoyuki Kawai (The University of Tokyo), Co-chair	
Tetsuya Nakai (SUMCO), Co-chair	

#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](http://www.semi.org). For additional information or to obtain individual attachments, please contact Junko Collins at the contact information above.