

## Japan EHS Committee Meeting Summary and Minutes

**SEMI Japan Standards Spring 2013 Meetings**  
Thursday, April 18, 2013 13:00-17:00  
SEMI Japan, Tokyo, Japan

### Next Committee Meeting

SEMI Japan Standards Fall 2013 Meetings  
Thursday, September 26, 2013, 10:30-17:00  
SEMI Japan, Tokyo, Japan

### Table 1 Meeting Attendees

**Co-Chairs:** Supika Mashiro (Tokyo Electron), Hidetoshi Sakura (Intel), Moray Crawford (Hatsuta Seisakusho)

**SEMI Staff:** Naoko Tejima (SEMI Japan)

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Hatsuta Seisakusho	Crawford	Moray	Dainippon Screen Manufacturing	Nakatani	Eiji
Cosmos Corporation	Fujita	Takuma	Tokyo Electron	Nanbu	Mitsuju
TÜV Rheinland Japan	Hamano	Yuji	Dainippon Screen Manufacturing	Nishiguchi	Naokatsu
Daifuku	Hosaka	Yoshihiro	SALUS Engineering International	Nishikawa	Juhachiro
Tokyo Electron	Hoshi	Geroge	Intel	Sakura	Hidetoshi
Horiba	Ibuka	Shigehito	TÜV SÜD Japan	Sekiguchi	Yuichi
NSS	Kunitake	Nobuyuki	Panasonic	Sugihara	Kenji
Tokyo Electron	Mashiro	Supika	Murata Machinery	Tanaka	Hiroshi
NSS	Minato	Hidekazu	SEMI Japan	Tejima	Naoko
Murata Machinery	Nakashima	Norio			

*\* alphabetical order by last name*

### Table 2 Leadership Changes

<i>Group</i>	<i>Previous Leader</i>	<i>New Leader</i>
S13 Revision Task Force was disbanded.	Shigehito Ibuka (Horiba)	None
S17 Revision Task Force was disbanded.	Norio Nakashima (Murata Machinery) Shigehito Ibuka (Horiba)	None

### Table 3 Ballot Results

**Passed** ballots and line items will be forwarded 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>
5513	Line Item Revision to SEMI S23-0311, Guide for Conservation of Energy, Utilities and Materials Used by Semiconductor Manufacturing Equipment	
Line Item 1	The expansion of Related Information (RI) 2	<b>Failed</b>
Line Item 2	The addition of text explaining the meaning and limits of the exhaust energy conversion factor.	<b>Passed</b> as balloted
Line Item 3	A small editorial change in the sleep mode definitions, and the addition of a criterion related to load port availability during sleep mode.	<b>Passed</b> with editorial changes

**Table 4 Authorized Ballots**

<i>Document #</i>	<i>When</i>	<i>SC/TF/WG</i>	<i>Details</i>
5513A	the earliest possible cycle	S23 Revision Task Force	Revision to SEMI S23-0311, Guide for Conservation of Energy, Utilities and Materials Used by Semiconductor Manufacturing Equipment
5556	the earliest possible cycle	Seismic Protection Task Force	Line Item Revisions to SEMI S2-0712, Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment Revisions Related to Section 19 Seismic Protection

**Table 5 Authorized Activities**

<i>Document #</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
5556	Revised SNARF	Seismic Protection Task Force	Line Item Revisions to SEMI S2-0712, Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment Revisions Related to Section 19 Seismic Protection

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>
EHS130418-01	SEMI staff	To forward adjudication result of Line Item 2 and 3 of Doc.5513 to the ISC A&R Subcommittee for procedural review.
EHS130418-02	SEMI staff	To re-check whether the Japanese translation of SEMI S13-0113 is published correctly.
EHS130418-03	SEMI staff	To re-check whether the Japanese translation of SEMI S17-0113 is published correctly.
EHS130418-04	SEMI staff	To re-check whether the Japanese translation of SEMI S18-0312 is published correctly.
EHS130418-05	S23 Revision TF	To submit the Line Item (1) ballot of Doc.#5513A for the earliest possible cycle.
EHS130418-06	George Hoshi	To check whether Minoru Kagino wants to hand over the TF leadership to Naohiko Okamoto.
EHS130418-07	SEMI staff	To ask Naohiko Okamoto to register as a TC member if he will be a TF leader.
EHS130418-08	Seismic Protection TF	To submit Doc.#5556 for the earliest possible cycle.
EHS130418-09	STEP Planning WG	To discuss the detailed plan and suggest it at the next committee meeting.
EHS130418-10	SEMI staff	To solicit the ideas of theme and opinions about SEMICON Japan 2013 EHS program from TC Chapter members and meeting participants of EHS committee.
EHS130418-11	Co-chairs	To discuss whether SEMICON Japan 2013 EHS program should be held or not, on the basis of the ideas and opinions.
EHS130418-12	Co-chairs/ SEMI Staff	To recruit volunteers for the planning group of SEMICON Japan 2013 EHS Program, if needed.

## 1 Welcome, Reminders, and Introductions

Moray Crawford, committee co-chair, called the meeting to order at 13:00. 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 SEMI staff, Naoko Tejima.

## 3 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting held on December 7, 2012.

**Motion:** To approve the minutes of the previous meeting as submitted.

**By / 2<sup>nd</sup>:** Shigehito Ibuka (Horiba) / Norio Nakashima (Murata Machinery)

**Discussion:** None.

**Vote:** 14 in favor and 0 opposed. **Motion passed.**

**Attachment:** 01\_JA\_EHS\_Previous\_Mtg\_Minutes\_130418

## 4 SEMI Staff Report

Naoko Tejima gave the SEMI staff report. This report included SEMI Global 2013 Calendar of Events, Global Standards Meeting Schedule, NA Standards meetings in conjunction with SEMICON West, 2013 Critical Dates for SEMI Standards Ballots, SEMI Standards Publication, ISC Audits & Reviews SC Summary February 2013, Revised SEMI Regulation and Procedure Guide and Contact Information.

Supika Mashiro explained that files other than PDF could be included as the official part of the standards to a new category called "Complementary File" and the change was introduced in response to strong request of I&C committee to allow schema files as requirement of its Standards.

**Attachment:** 02\_SEMI\_Staff\_Report\_130418

## 5 Liaison Reports

### 5.1 Japan Regional Standards Committee (JRSC)

Hidetoshi Sakura reported for the Japan Regional Standards Committee (JRSC) that there were no particular things should be reported. JRSC will be held the next day.

### 5.2 Global Coordinating Subcommittee (GCS)

Hidetoshi Sakura reported for the Global Coordinating Subcommittee (GCS) that GCS meetings and approvals have not been made in between today from the previous committee meeting.

### 5.3 North America EHS Committee

Supika Mashiro reported for the North America EHS Committee. This report included Task Force and Leadership Changes, Leadership, Organization Chart, Meeting Information, Publication information, Document Review Summary of NA Spring 2013 Meetings, New and Updated TFOFs/SNRFs, Ballots to be Reviewed at SEMICON West 2013, Subcommittees & Task Forces Reports, NA EHS Meeting Schedule of SEMICON West 2013.

**Attachment:** 03\_NA\_EHS\_Report\_April2013\_130418

### 5.4 Europe EHS Committee

Naoko Tejima reported for the Europe EHS Committee. This report included Leadership, Meeting Information, Existing Activities, New Activities.

**Attachment:** 04\_EU\_EHS\_Report\_April2013\_130418

### 5.5 Taiwan EHS Committee

No report was provided.

### 5.6 Korea EHS Working Group

No Report was provided.

## 6 Ballot Review

### 6.1 Doc.5513, Line Item Revision to SEMI S23-0311, Guide for Conservation of Energy, Utilities and Materials Used by Semiconductor Manufacturing Equipment

The adjudication result of the each line item are as below;

- Line item 1: Failed committee review and will be returned to the task force for rework.
- Line item 2: Passed committee review as balloted and will be forwarded to the A&R for procedural review.
- Line item 3: Passed committee review with editorial changes and will be forwarded to the A&R for procedural review.

**Action Item:** SEMI staff to forward adjudication result of Line Item 2 and 3 of Doc.5513 to the ISC A&R Subcommittee for procedural review.

**Attachment:** 05\_Ballot\_Review\_for\_5513\_130418

## 7 Subcommittee & Task Force Reports

### 7.1 S13 Revision Task Force

Shigehito Ibuka reported for the S13 Revision Task Force. Of note:

- SEMI S13-0113, *Environmental, Health and Safety Guideline for Documents Provided to the Equipment User for Use with Semiconductor Manufacturing Equipment with Title Change to: Environmental, Health and Safety Guideline for Documents Provided to the Equipment User for Use with Manufacturing Equipment* was published.
- Japanese version of SEMI S13-0113 was also published.
- The item which was submitted as the comment for the previous ballot (Cycle 4, 2012), and was concluded it should be discussed at the next opportunity as New Business is remained. However, since Shigehito Ibuka stepped down the leader position, it is open and there are not candidates to be a leader at the moment. Therefore TF was disbanded at present and will be set in future again if it will be needed.

**Motion:** To disband the S13 Revision Task Force.

**By / 2<sup>nd</sup>:** Shigehito Ibuka (Horiba) / Eiji Nakatani (Dainippon Screen Manufacturing)

**Discussion:** None

**Vote:** 15 in favor and 0 opposed. **Motion passed.**

**Action Item:** SEMI Staff to re-check whether the Japanese translation of SEMI S13-0113 is published correctly.

**Attachment:** 06\_S13\_Rev\_TF\_Report\_130418

### 7.2 S17 Revision Task Force

Norio Nakashima reported for the S17 Revision Task Force. Of note:

- SEMI S17-0113, *Safety Guideline for Unmanned Transport Vehicle (UTV) System* was published.
- Japanese version of SEMI S17-0113 was also published.
- There is a possibility to revise SEMI S17 depending on the development of the document by the seismic protection TF's activities. However, since the both Norio Nakashima and Shigehito Ibuka stepped down the leader position, it is open and there are not candidates to be a leader at the moment. Therefore TF was disbanded at present and will be set in future again if it will be needed.

**Motion:** To disband the S17 Revision Task Force.  
**By / 2<sup>nd</sup>:** Norio Nakashima (Murata Machinery) / Shigehito Ibuka (Horiba)  
**Discussion:** None  
**Vote:** 15 in favor and 0 opposed. **Motion passed.**  
**Action Item:** SEMI Staff to re-check whether the Japanese translation of SEMI S17-0113 is published correctly.

### 7.3 S18 Revision Task Force

Supika Mashiro reported for the S18 Revision Task Force that it will be disbanded after it will be confirmed that Japanese version of SEMI S18-0312 has been published.

**Action Item:** SEMI Staff to re-check whether the Japanese translation of SEMI S18-0312 is published correctly.

### 7.4 S23 Revision Task Force

George Hoshi reported on progress for the S23 Revision Task Force. Of note:

- *Doc.5513, Line Item Revision to SEMI S23-0311, Guide for Conservation of Energy, Utilities and Materials Used by Semiconductor Manufacturing Equipment was reviewed as previously discussed. (See 6.1).*

**Motion:** To approve to submit the Line Item (1) ballot of Doc.#5513A for the earliest possible cycle.  
**By / 2<sup>nd</sup>:** George Hoshi (Tokyo Electron) / Shigehito Ibuka (Horiba)  
**Discussion:** None.  
**Vote:** 15 in favor and 0 opposed. **Motion passed.**  
**Action Item:** S23 Revision Task Force to submit the Line Item (1) ballot of Doc.#5513A for the earliest possible cycle.

### 7.5 FPD System Safety Task Force

Naokatsu Nishiguchi reported for the FPD System Safety Task Force. The Task Force currently has no activities.

### 7.6 GHG Emission Characterization Task Force

George Hoshi reported for the GHG Emission Characterization Task Force that TF is discussing how to promote the standards.

**Action Item:** George Hoshi to check whether Minoru Kagino wants to hand over the TF leadership to Naohiko Okamoto.  
**Action Item:** SEMI staff to ask Naohiko Okamoto to register as a TC member if he will be a TF leader.

### 7.7 Seismic Protection Task Force

Eiji Nakatani reported on the progress for the Seismic Protection Task Force. Of note:

- TF has been working for revision of Section 19, Appendix 6 and Related Information 4 of SEMI S2, and their pre-draft document was sent to some of NA and TW TC members and asked for their feedbacks.
- Teleconference was held between the person interested in the seismic protection in the NA EHS committee and the JA Task force members on April 2 (April 1 in NA). It was proposed that it should be referred to IBC and ASCE7-10 rather than FEMA. It is also suggested that calculation design load for HPM and Non-HPM should be considered separately.
- On the basis of the above suggestions and opinions, TF will continue to review and draft the document.

**Motion:** To submit Doc.# 5556 for the earliest possible cycle.  
**By / 2<sup>nd</sup>:** Eiji Nakatani (Dainippon Screen Manufacturing) / Naokatsu Nishiguchi (Dainippon Screen Manufacturing)  
**Discussion:**

- Scope of SNARF which was already submitted is mentioned to FEMA only. It should be revised if mention to “IBC” and “ASCE7-10 in the document.
  - Should be revised SNARFs

**Vote:** 15 in favor and 0 opposed. **Motion passed.**

**Motion:** To approve a revised SNARF for Doc.# 5556  
**By / 2<sup>nd</sup>:** Eiji Nakatani (Dainippon Screen Manufacturing) / Naokatsu Nishiguchi (Dainippon Screen Manufacturing)  
**Discussion:** None  
**Vote:** 15 in favor and 0 opposed. **Motion passed.**

**Action Item:** Seismic Protection Task Force to submit Doc.#5556 for the earliest possible cycle.  
**Attachment:** 07\_Seismic\_Protection\_TF\_Report\_130418  
08\_Doc.5556\_Revised\_SNARF\_130418

#### 7.8 STEP Planning Working Group

Kenji Sugihara reported for the STEP Planning Working Group. The detailed results of STEP/ SEMI S2 held last November were presented and to hold STEP/ SEMI S2 in fall was proposed. He said that the detailed plan would be suggested to the next committee.

**Motion:** To hold STEP/ SEMI S2 in fall on the condition of promoting optimization.  
**By / 2<sup>nd</sup>:** Kenji Sugihara (Panasonic)/ Shigehito Ibuka (Horiba)  
**Discussion:**

- Since the number and the capacity of the conference room is different from the last year (Oshima conference room can not be used from this year), should be discussed and drawn up the plan.
- Eiji Nakatani suggested that not only the outline of SEMI S2, but also other themes (Interlock, Reliability, Chemicals and so on) should be focused on.

**Vote:** 15 in favor and 0 opposed. **Motion passed.**  
**Action Item:** STEP Planning Working Group to discuss the detailed plan and suggest it at the next committee meeting.  
**Attachment:** 09\_STEP\_S2\_Final\_Report\_130418

## 8 Old Business

### 8.1 Previous Meeting Action Items

Naoko Tejima reviewed the previous meeting action items.

**Table 7 Previous Meeting Actions Items**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
EHS121207-01	SEMI Staff	To request Europe EHS Committee to provide a liaison report every time they have a meeting. ... <b>Close</b>
EHS121207-02	S23 Revision Task Force	To submit Doc.#5513 for the earliest possible cycle. ... <b>Close</b>

## 9 New Business

### 9.1 EHS Standards Program in conjunction with SEMICON Japan 2012

Hidetoshi Sakura asked the committee whether or not they have any proposals on programs to be held during SEMICON Japan 2013.

Naoko Tejima asked to decide the detail plan (Theme, Agenda, Speakers and so on) by the end of August in order to start to promote from October 1 with other related programs.

Supika Mashiro suggested that Co-chairs will solicit the ideas of theme and opinions from the TC members of EHS committee through SEMI staff, and will discuss whether it should be held or not on the basis of them.

**Action Item:** SEMI staff to solicit the ideas of theme and opinions about SEMICON Japan 2013 EHS program from the TC members of EHS committee.

**Action Item:** Co-chairs to discuss whether SEMICON Japan 2013 EHS program should be held or not, on the basis of the ideas and opinions.

**Action Item:** Co-chairs to recruit volunteers for the planning group of SEMICON Japan 2013 EHS Program, if needed.

## 10 Action Item Review

### 10.1 New Action Items

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

## 11 Next Meeting and Adjournment

The next meeting of the Japan EHS Committee is scheduled for Thursday, September 26, 2013, 10:30-17:00 (Start time is subject to change), at SEMI Japan, Tokyo, Japan.



Respectfully submitted by:  
Naoko Tejima  
Manager, Standards  
SEMI Japan  
Phone: +81.3.3222.5804  
Email: ntejima@semi.org

Minutes approved by:

Supika Mashiro (Tokyo Electron), Co-chair	May 21 , 2013
Hidetoshi Sakura (Intel), Co-chair	
Moray Crawford (Hatsuta Seisakusho), Co-chair	May 21 , 2013

**Table 8 Index of Available Attachments #1**

#	<i>Title</i>
1	JA_EHS_Previous_Mtg_Minutes_130418
2	SEMI_Staff_Report_130418
3	NA_EHS_Report_April2013_130418
4	EU_EHS_Report_April2013_130418
5	Ballot_Review_for_5513_130418
6	S13_Rev_TF_Report_130418
7	Seismic_Protection_TF_Report_130418
8	Doc.5556_Revised_SNARF_130418
9	STEP_S2_Final_Report_130418

#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 Naoko Tejima at the contact information above.