

## EHS Japan TC Chapter Meeting Summary and Minutes

**SEMICON Japan 2014 Meetings**  
Friday, December 5, 2014, 13:00-16:00  
Tokyo Big Sight, Tokyo, Japan

**Next TC Chapter Meeting**

Friday, April 17, 2015, 13:00-17:00  
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	Screen Semiconductor Solutions	Nakatani	Eiji
Cosmos Corporation	Fujita	Takuma	SGS Japan	Nakashima	Ryuji
Advantest	Hashiguchi	Ryuichi	Screen Business Support Solutions	Nishiguchi	Naokatsu
Daifuku	Hosaka	Yoshihiro	Safe Techno	Nogawa	Kaoru
TÜV SÜD Japan	Ishii	Kazuhiro	Intel	Sakura	Hidetoshi
Tokyo Electron	Hoshi	George	Panasonic	Sugihara	Kenji
Tokyo Electron	Mashiro	Supika	SEMI Japan	Tejima	Naoko

*\* alphabetical order by last name*

**Table 2 Leadership Changes**

<i>Group</i>	<i>Previous Leader</i>	<i>New Leader</i>
S23 revision TF was converted to a Global Task Force	George Hoshi (Tokyo Electron) (Co-leader of Japan Revision TF)	George Hoshi (Tokyo Electron) (Co-leaders of Global Revision TF)

**Table 3 Ballot Results**

None

**Table 4 Authorized Ballots**

None

**Table 5 Authorized Activities**

None

**Table 6 Action Items**  
**Outstanding Action Items**

Item #	Assigned to	Details
EHS130418-05	S23 Revision TF	To submit the Line Item (1) ballot of Doc.#5513A <u>for cycle 3 or 4, 2014.</u> ... <b>Aborted</b> <i>*Originally consented to "for the earliest possible cycle". Previously consented to "for cycle 3 or 4, 2014" on April 17, 2014, and consented to "aborted" on July 24, 2014.</i>
EHS130418-08	Seismic Protection TF	To submit Doc.#5556 <u>for cycle 2, 2015</u> <i>*Originally consented to "for the earliest possible cycle". Previously it was consented to "for cycle 4, 2014" on December 6, 2013, and "for cycle 6, 2014" on April 17, 2014. And consented to "for cycle 2, 2015" on December 5, 2014.</i>
EHS131206-01	GHG Emission Characterization TF	To check the Device Manufacturers or SEMATECH whether S29 contents complies with EPA's GHG Report requirements

**New Action Items**

Item #	Assigned to	Details
EHS141205-01	Seismic Protection TF	To revise SNARF of Doc.5556 and to get approval from GCS approval through SEMI Staff
EHS141205-02	Seismic Protection TF	To revise TF Report for the EHS Japan TC Chapter Meeting on Dec. 5, 2014.

**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 Technical Committee Award**

Technical Committee Awards were given to the below member to appreciate his outstanding efforts and leadership.

- Hisashi Aihara, Aihara Office

**4 Review of Previous Meeting Minutes**

The committee reviewed the minutes of the previous meeting held on July 24, 2014.

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

**By / 2<sup>nd</sup>:** Eiji Nakatani (Dainippon Screen Manufacturing) / Kenji Sugihara (Panasonic)

**Discussion:** None.

**Vote:** 11 in favor and 0 opposed. **Motion passed.**

**Attachment:** 01\_JA\_EHS\_Previous\_Mtg\_Minutes\_141205

## 5 SEMI Staff Report

Naoko Tejima gave the SEMI staff report. This report included SEMI Global 2014 & 2015 Calendar of Events, Global Standards Meeting Schedule, SEMICON Japan 2014 Outline & Information, Standards Meeting Schedule & Friendship Party during SEMICON Japan 2014, Standards Awards 2014, 2014 & 2015 Critical Dates for SEMI Standards Ballots, New Regulations and Procedure guide effective December 2014, SEMI Standards Publication, A&R Ballot Review and Contact Information.

**Attachment:** 02\_SEMI\_Staff\_Report\_141205

## 6 Liaison Reports

### 6.1 *Japan Regional Standards Committee (JRSC)*

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

### 6.2 *Global Coordinating Subcommittee (GCS)*

Hidetoshi Sakura reported for the Global Coordinating Subcommittee (GCS). Following item was submitted and approved.

- TFOF of S23 Revision Global Task Force ... *Passed*

### 6.3 *North America EHS Committee Report*

Supika Mashiro reported for the North America EHS Committee. This report included Organization Chart, Meeting Information, Task Force and Leadership Changes, Document Review Summary from NA Fall 2014 Meetings, Ballots to be reviewed at NA Spring 2015 Meetings, New SNARFs, Subcommittee & Task Force Updates, NA Standards Spring 2015 Meetings Schedule and Contact Information.

**Attachment:** 03\_NA\_EHS\_Report\_July2014\_141205

### 6.4 *Taiwan EHS Committee*

Naoko Tejima reported for the Taiwan EHS Committee. This report included Organization Chart, Committee Highlights, Meeting Information and Contact Information..

**Attachment:** 04\_TW\_EHS\_Report\_July2014\_141205

### 6.5 *Korea EHS Working Group*

No Report was provided.

## 7 Subcommittee & Task Force Reports

### 7.1 S23 Revision Task Force

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

- TFOF of S23 Revision Global Task Force was approved by GCS.
- Lauren Crane (KLA Tencol) was appointed as a co-leader of S23 revision Global TF from NA Chapter.
- George Hoshi (Tokyo Electron) has a Co-leaders position of S23 revision Global TF from JA Chapter.

**Motion:** To approve George Hoshi (Tokyo Electron) as Co-leader of S23 revision Global TF from JA Chapter.

**By / 2<sup>nd</sup>:** George Hoshi (Tokyo Electron) / Eiji Nakatani (Screen Semiconductor Solutions)

**Discussion:** None.

**Vote:** 12 in favor and 5 opposed. **Motion failed.**

- Start to work for the following items as Future Activities
  - E167 (ESEC) sleep mode related description changing
  - Description of Energy efficiency improvement

**Attachment:** 05\_S23\_Rev\_TF\_Report\_141205

### 7.2 FPD System Safety Task Force

Naokatsu Nishiguchi reported for the *FPD System Safety Task Force* that there were no particular things should be reported.

### 7.3 GHG Emission Characterization Task Force

George Hoshi reported for the GHG Emission Characterization Of note:

- There were no particular TF activities recently.
- Contacting with SEMATEC about GHG Reporting rule which started from 2014.

**Attachment:** 06\_GHG\_Emission\_Characterization\_TF\_Report\_141205

### 7.4 Seismic Protection Task Force

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

- TF has been working for *Doc. #5556, Line Item Revisions to SEMI S2-0712, Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment Revisions Related to Section 19 Seismic Protection, and discuss continuously.*
- Direction of revision contents were re-discussed, and SNARF should be revised along it. The revised SNARF will be reviewed by TF and submitted to GCS to get approval.

**Action Item:** Seismic Protection TF to revise SNARF of *Doc.5556* and to get approval from GCS *approval* through SEMI Staff

**Action Item:** Seismic Protection TF to revise TF Report

**Attachment:** 07\_Seismic\_Protection\_TF\_Report\_141205

**Attachment:** 08\_Discussion\_of\_Direction\_of\_Revision\_Contents\_(Japanese)\_141205

## 7.5 STEP Planning Working Group

Kenji Sugihara reported for the STEP Planning Working Group. Of note:

- STEP/SEMI S2 “EHS Guideline for Semiconductor Manufacturing Equipment” was held on October 17 at SEMI Japan Tokyo Office. 81 attendees attracted and with kind support of all speakers and committee co-chairs, it was closed successfully.

**Attachment:** 09\_STEP\_Planning\_WG\_Report\_141205

## 8 Old Business

### 8.1 Previous Meeting Action Items

Naoko Tejima reviewed the previous meeting action items.

#### Table 7 Previous Meeting Actions Items

##### Outstanding Action Items

Item #	Assigned to	Details
EHS130418-05	S23 Revision TF	To submit the Line Item (1) ballot of Doc.#5513A <u>for cycle 3 or 4, 2014.</u> ... <b>Aborted</b> *Originally consented to "for the earliest possible cycle". Previously consented to "for cycle 3 or 4, 2014" on April 17, 2014, and consented to "aborted" on July 24, 2014.
EHS130418-08	Seismic Protection TF	To submit Doc.#5556 <u>for cycle 6, 2014.</u> (Delayed implementation preferred.) ... <b>Open</b> *Originally consented to "for the earliest possible cycle". Previously consented to "for cycle 4, 2014" on December 6, 2013, and consented to "for cycle 6, 2014" on April 17, 2014.
EHS131206-01	GHG Emission Characterization TF	To check the Device Manufacturers or SEMATECH whether S29 contents complies with EPA's GHG Report requirements. ... <b>Open</b>
EHS140417-04	STEP Planning Working Group	To hold STEP/ SEMI S2 on October 17, 2014 ... <b>Close</b>
EHS140417-05	EHS Japan TC Chapter	To hold Energetics Work Shop during SEMICON Japan 2014 ... <b>Close</b>

##### New Action Items

Item #	Assigned to	Details
EHS140724-01	SEMI Staff	To request to Taiwan Committee to report their activities by the liaison report. ... <b>Close</b>
EHS140724-02	SEMI Staff	To forward adjudication result of Doc.#5719 to the ISC A&R Subcommittee for procedural review. ... <b>Close</b>
EHS140724-03	SEMI Staff	To forward adjudication result of Doc.#5720 to the ISC A&R Subcommittee for procedural review. ... <b>Close</b>
EHS140724-04	S23 Revision TF Co-leaders	To revise TFOF to convert a global task force, and propose it to GCS via SEMI staff. ... <b>Close</b>

## 8.2 EHS Workshop during SEMICON Japan 2014

Hidetoshi Sakura reported for the EHS Workshop during SEMICON Japan 2014. Of note:

- *SEMI EHS Standard Energetics Workshop -Emerging Chemistries and their Combinations introducing Risks to Semiconductor Manufacturing Operations, Fab, Environment and Life-*” was held on December 3 at Room 602, Tokyo Big Sight, Tokyo, Japan. 22 attendees attracted.
- Participants were not so many. However, the seminar contents was fulfilling, and the attendee would have been satisfied with it.

**Attachment:** 10\_SJ14\_Energetics\_WS\_Report\_141205

## 9 New Business

None.

## 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 Friday, April 17, 13:00-17:00, 2015, , SEMI Japan, Tokyo Japan

Respectfully submitted by:  
 Naoko Tejima  
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Minutes approved by:

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

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

#	<i>Title</i>
1	JA_EHS_Previous_Mtg_Minutes_141205
2	SEMI_Staff_Report_141205
3	NA_EHS_Report_July2014_141205
4	TW_EHS_Report_July2014_141205
5	S23_Rev_TF_Report_141205
6	GHG_Emission_Characterization_TF_Report_141205
7	Seismic_Protection_TF_Report_141205
8	Discussion_of_Direction_of_Revision_Contents_(Japanese)_141205
9	STEP_Planning_WG_Report_141205
10	SJ14_Energetics_WS_Report_141205

#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.