

EHS Japan TC Chapter Meeting Summary and Minutes

SEMI Japan Standards Spring 2014 Meetings

Thursday, April 17, 2014, 11:00-13:00

SEMI Japan, Tokyo, Japan

Next TC Chapter Meeting

Thursday, July 24, 2014, 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	Dainippon Screen Manufacturing	Nishiguchi	Naokatsu
Cosmos Corporation	Fujita	Takuma	Safe Techno	Nogawa	Kaoru
Daifuku	Hosaka	Yoshihiro	Intel	Sakura	Hidetoshi
Tokyo Electron	Hoshi	George	TÜV SÜD Japan	Shibuya	Sosuke
Tokyo Electron	Mashiro	Supika	Panasonic	Sugihara	Kenji
Dainippon Screen Manufacturing	Nakatani	Eiji	SEMI Japan	Tejima	Naoko

* alphabetical order by last name

Table 2 Leadership Changes

<i>Group</i>	<i>Previous Leader</i>	<i>New Leader</i>
FPD System Safety Task Force Co-leaders	- Ikuo Goto (Murata Machinery) - Naokatsu Nishiguchi (Dainippon Screen Manufacturing)	Naokatsu Nishiguchi (Dainippon Screen Manufacturing)

Table 3 Ballot Results

None

Table 4 Authorized Ballots

<i>Document #</i>	<i>When</i>	<i>SC/TF/WG</i>	<i>Details</i>
5719	Cycle 4, 2014	FPD System Safety Task Force	Line Item Revision to SEMI S26-0811, Environmental, Health, and Safety Guideline for FPD Manufacturing System, Delayed Revisions Related to Limitations
5720	Cycle 4, 2014	FPD System Safety Task Force	Line Item Revisions to SEMI S26-0811, Environmental, Health, and Safety Guideline for FPD Manufacturing System, General Harmonization to SEMI S2

Table 5 Authorized Activities

Document #	Type	SC/TF/WG	Details
5719	SNARF	FPD System Safety Task Force	Line Item Revision to SEMI S26-0811, Environmental, Health, and Safety Guideline for FPD Manufacturing System, Delayed Revisions Related to Limitations
5720	SNARF	FPD System Safety Task Force	Line Item Revisions to SEMI S26-0811, Environmental, Health, and Safety Guideline for FPD Manufacturing System, General Harmonization to SEMI S2

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

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

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> . <i>*Originally consented to "for the earliest possible cycle". Previously consented to "for cycle 3 or 4, 2014" on April 17, 2014.</i>
EHS130418-08	Seismic Protection TF	To submit Doc.#5556 <u>for cycle 6, 2014</u> . (Delayed implementation preferred.) <i>*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.</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
EHS140417-01	SEMI Staff	To confirm the fact situation about S10 revision document to NA Staff.
EHS140417-02	FPD System Safety Task Force	To submit Doc.#5519 "Delayed Line Item Revision to SEMI S26-0811, Environmental, Health, and Safety Guideline for FPD Manufacturing System, Delayed Revisions Related to Limitations" for cycle 4.
EHS140417-03	FPD System Safety Task Force	To submit Doc.#5520 "Line Item Revisions to SEMI S26-0811, Environmental, Health, and Safety Guideline for FPD Manufacturing System, Revisions Related to General Harmonization to SEMI S2" for cycle 4.
EHS140417-04	STEP Planning Working Group	To hold STEP/ SEMI S2 on October 17, 2014
EHS140417-05	EHS Japan TC Chapter	To hold Energetics Work Shop during SEMICON Japan 2014
EHS140417-06	Co-chairs/SEMI	To recruit volunteers for the planning group of SEMICON Japan 2014 EHS Program, if needed.
EHS140417-07	SEMI Staff	To check the pay line for the interpretation for WS during SEMICON Japan 2014

1 Welcome, Reminders, and Introductions

Hidetoshi Sakura, committee co-chair, called the meeting to order at 11:00. 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 6, 2013.

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

By / 2nd: Moray Crawford (Hatsuta Seisakusho) / Supika Mashiro (Tokyo Electron)

Discussion: None.

Vote: 10 in favor and 0 opposed. **Motion passed.**

Attachment: 01_JA_EHS_Previous_Mtg_Minutes_140417

4 SEMI Staff Report

Naoko Tejima gave the SEMI staff report. This report included SEMI Global 2014 Calendar of Events, Global Standards Meeting Schedule, North America Standards Spring Meetings 2014 Schedule, 2014 Critical Dates for SEMI Standards Ballots, SEMI Standards Publication, A&R Ballot Review Report, and Contact Information.

Attachment: 02_SEMI_Staff_Report_140417

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.

5.2 Global Coordinating Subcommittee (GCS)

Hidetoshi Sakura reported for the Global Coordinating Subcommittee (GCS) that there were no activities between the previous committee meeting and today.

5.3 North America EHS Committee Report

Supika Mashiro reported for the North America EHS Committee. This report included Task Force and Leadership Changes, Organization Chart, Meeting Information, Ballots to be reviewed at SEMICON West 2014, Ballots expected to be reviewed at the NA Spring 2015 Meetings, New SNARF, Subcommittee & Task Force Updates, NA EHS Request to Japan EHS, NA Standards Meeting Schedule during SEMICON West 2014 and Contact Information.

- Supika Mashiro pointed that the description about the ballot review result of S10 reapproval was missing from the liaison report. According to her, at the last NA spring meetings, S10 reapproval ballot was reviewed and failed. It was then approved to be submitted for ballot at the next cycle.

Action Item: SEMI Staff to confirm with NA Staff about the actual situation of S10 revision document.

Response from NA: The S10 reapproval ballot (#5599) failed EU TC Chapter review during SEMICON Europa 2013. After that, S10 revision activities were transferred to NA EHS TC Chapter. During the NA spring 2014 meetings, a new SNARF for S10 revision (#5718) was approved, and authorized for Cycle 3 or Cycle 4 submission.
(added after the meeting by SEMI Staff)

Attachment: 03_NA_EHS_Report_April2014_140417

5.4 Taiwan EHS Committee

No report was provided.

5.5 Korea EHS Working Group

No Report was provided.

6 Subcommittee & Task Force Reports

6.1 S23 Revision Task Force

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

- TF is working for *Doc. #5513A, Line Item Revision to SEMI S23-0311, Guide for Conservation of Energy, Utilities and Materials Used by Semiconductor Manufacturing Equipment*, and the expansion of RI2 (Temperature Control Unit) is under preparation.
- TF discussed about a new quest of energy efficiency improvement in section 12, and the new SNARF was submitted to get the committee approval.
- It was clarified again that S23 Revision TF is not the global task force and Lauren Crane is one of the co-leaders of Japan S23 Revision Task Force.

Motion: To approve a new SNARF for “*Revision to SEMI S23-0311, Guide for Conservation of Energy, Utilities and Materials Used by Semiconductor Manufacturing Equipment, Revisions Related to Energy Efficiency Improvement in section 12*”

By / 2nd: George Hoshi (Tokyo Electron) / Moray Crawford (Hatsuta Seisakusho)

Discussion:

- First of all, S23 Revision TF is not the global Ta f
- There seem to be contradiction between Rational and Scope.
- The proposal in the SNARF appears to be revision of the S23 concept itself as it is implied in the Rational section, which will affect not only Section 12 but also Purpose and Scope of S23. The proposed concept should not be addressed by the line item revision.
- SNARF should be resubmitted after the TF reviews it

Vote: 2 in favor and 5 opposed. **Motion failed.**

Attachment: 04_S23+S29_TF_Report_140417

Attachment: 05_S23_New_SNARF_140417

6.2 GHG Emission Characterization Task Force

George Hoshi reported for the GHG Emission Characterization Of note:

- TF is asking to ISMI about compatibility with EPA and the spread situation of this guide.
- George Hoshi will join and exchange information at ISMI GHG WS on May 4.

Attachment: 04_S23+S29_TF_Report_140417

6.3 FPD System Safety Task Force

Naokatsu Nishiguchi reported for the FPD System Safety Task Force. Of note:

- Ikuo Goto stepped down the leader position and it is open for the time being.
- 2 new SNARF was presented to the committee for approval.

Motion: To approve a new SNARF for “*Delayed Line Item Revision to SEMI S26-0811, Environmental, Health, and Safety Guideline for FPD Manufacturing System, Delayed Revisions Related to Limitations*” (#5719)

By / 2nd: Naokatsu Nishiguchi (Dainippon Screen Manufacturing) / Moray Crawford (Hatsuta Seisakusho)

Discussion: None.

Vote: 10 in favor and 0 opposed. **Motion passed.**

Motion: To approve to submit “*Delayed Line Item Revision to SEMI S26-0811, Environmental, Health, and Safety Guideline for FPD Manufacturing System, Delayed Revisions Related to Limitations*” (#5719) for Cycle 4.

By / 2nd: Naokatsu Nishiguchi (Dainippon Screen Manufacturing) / Moray Crawford (Hatsuta Seisakusho)

Discussion: None.

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

Motion: To approve a new SNARF for “*Line Item Revisions to SEMI S26-0811, Environmental, Health, and Safety Guideline for FPD Manufacturing System, Revisions Related to General Harmonization to SEMI S2.*” (#5720)

By / 2nd: Naokatsu Nishiguchi (Dainippon Screen Manufacturing) / Moray Crawford (Hatsuta Seisakusho)

Discussion: None.

Vote: 10 in favor and 0 opposed. **Motion passed.**

Motion: To approve to submit “*Line Item Revisions to SEMI S26-0811, Environmental, Health, and Safety Guideline for FPD Manufacturing System, Revisions Related to General Harmonization to SEMI S2*” (#5720) for Cycle 4.

By / 2nd: Naokatsu Nishiguchi (Dainippon Screen Manufacturing) / Moray Crawford (Hatsuta Seisakusho)

Discussion: None.

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

Action Item: FPD System Safety Task Force to submit Doc.#5519 “Delayed Line Item Revision to SEMI S26-0811, Environmental, Health, and Safety Guideline for FPD Manufacturing System, Delayed Revisions Related to Limitations” for cycle 4.

Action Item: FPD System Safety Task Force to submit Doc.#5520 “Line Item Revisions to SEMI S26-0811, Environmental, Health, and Safety Guideline for FPD Manufacturing System, Revisions Related to General Harmonization to SEMI S2” for cycle 4.

Attachment: 06_FPD_System_Safety_TF_Report_140417

Attachment: 07_S26_SNARF_Delayed_5719_140417

Attachment: 08_S26_SNARF_Line_Item_5720_140417

6.4 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.*
- NA Seismic Protection Liaison TF requested that a little more time to resolve many fundamental questions and comments from NA TF members will be needed, and the discussion should be made at SEMICON West in July prior to balloting.
- Correspond to this request, TF has decided to delay balloting until after SEMICON West from ballot Cycle 4.

Attachment: 09_Seismic_Protection_TF_Report_140417

6.5 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.

Motion: To hold STEP/ SEMI S2 on October 17, 2014.

By / 2nd: Kenji Sugihara (Panasonic)/ Moray Crawford (Hatsuta Seisakusho)

Discussion: None.

Vote: 9 in favor and 0 opposed. **Motion passed.**

Action Item: STEP Planning Working Group to hold STEP/ SEMI S2 on October 17, 2014

Attachment: 10_STEP_S2_Planning_WG_Mtg_Memo_140417

Attachment: 11_STEP_S2_2013_Report_140417

7 Old Business

7.1 Previous Meeting Action Items

Naoko Tejima reviewed the previous meeting action items.

Table 7 Previous Meeting Actions 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. ... Open</u> *Originally consented to "for the earliest possible cycle". Previously consented to "for cycle 3 or 4, 2014" on April 17, 2014.
EHS130418-08	Seismic Protection TF	To submit Doc.#5556 <u>for cycle 6, 2014.</u> (Delayed implementation preferred.) ... Open *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. ... Open

8 New Business

8.1 EHS Standards Program in conjunction with SEMICON Japan 2014

Supika Mashiro proposed Energetics Work Shop for this year's program, inviting SEMATECH as soon as possible. The problem is the interpretation service is not available. The working group should be set up to discuss and decide the program contents.

Motion: To hold Energetics Work Shop during SEMICON Japan 2014.

By / 2nd: Supika Mashiro (Tokyo Electron) / Kenji Sugihara (Panasonic)

Discussion: None.

Vote: 10 in favor and 0 opposed. **Motion passed.**

Action Item: EHS Japan TC Chapter to hold Energetics Work Shop during SEMICON Japan 2014

Action Item: Co-chairs/SEMI to recruit volunteers for the planning group of SEMICON Japan 2014 EHS Program, if needed.

Action Item: SEMI to check the pay line for the interpretation for WS during SEMICON Japan 2014

9 Action Item Review

9.1 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.

10 Next Meeting and Adjournment

The next meeting of the Japan EHS Committee is scheduled for Thursday, July 24, 2014, 13:00-17:00, at SEMI Japan, Tokyo, Japan.

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

Minutes approved by:

Supika Mashiro (Tokyo Electron), Co-chair	June 2, 2014
Hidetoshi Sakura (Intel), Co-chair	May 30, 2014
Moray Crawford (Hatsuta Seisakusho), Co-chair	June 2, 2014

Table 8 Index of Available Attachments ^{#1}

#	<i>Title</i>
1	JA_EHS_Previous_Mtg_Minutes_140417
2	SEMI_Staff_Report_140417
3	NA_EHS_Report_April2014_140417
4	S23+S29_TF_Report_140417
5	S23_New_SNARF_140417
6	FPD_System_Safety_TF_Report_140417
7	S26_SNARF_Delayed_5719_140417
8	S26_SNARF_Line_Item_5720_140417
9	Seismic_Protection_TF_Report_140417
10	STEP_S2_Planning_WG_Mtg_Memo_140417
11	STEP_S2_2013_Report_140417

^{#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 Naoko Tejima at the contact information above.