



EHS Japan TC Chapter

Meeting Summary and Minutes

Japan Standards Summer 2019 Meetings
 Thursday, August 29, 2019, 14:00-17:00
 SEMI Japan office, Tokyo, Japan

TC Chapter Announcements
 Next TC Chapter Meeting
 Friday, December 13, 2019, 13:00-17:00 (tentative)
 Conference Tower, Tokyo Big Sight, Tokyo, Japan

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Hidetoshi Sakura/ Nuflare Technology, Supika Mashiro/Tokyo Electron, Moray Crawford/Hatsuta Seisakusho
SEMI Staff: Chie Yanagisawa (SEMI Japan)

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Applied Materials	Liu	Shane	Panasonic	Sugihara	Kenji
Hatsuta Seisakusho	Crawford	Moray	Tokyo Electron	Mashiro	Supika
Murata Machinery	Tominaga	Tadamasa	<i>Tokyo Electron</i>	<i>Hoshi</i>	<i>Joji</i>
NuFlare Technology	Sakura	Hidetoshi			
NuFlare Technology	Ishii	Kazuhiro	SEMI Japan	Yanagisawa	Chie

Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
Global Seismic Protection TF	None *Supika Mashiro (Tokyo Electron) was the leader of Seismic Protection TF before its globalization.	Supika Mashiro (Tokyo Electron) *Since the revised TFOF of Global Seismic Protection TF was approved, a new leader representing Japan was newly appointed.
SDRCM (S Documents REG-PG-SM Conformance Maintenance) TF	Supika Mashiro (Tokyo Electron)	None *Due to disbandment of the TF

Table 3 Committee Structure Changes

<i>Previous WG/TF/SC Name</i>	<i>New WG/TF/SC Name or Status Change</i>
SDRCM (S Documents REG-PG-SM Conformance Maintenance) TF	Disbanded

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
None		



Note 1: **Passed** ballots and line items will be submitted to the ISC Audit & Review Subcommittee for procedural review.

Note 2: **Failed** ballots and line items were returned to the originating task forces for re-work and re-balloting or abandoning.

Table 5 Activities Approved by the GCS prior to the Originating TC Chapter meeting

#	Type	SC/TF/WG	Details
--	TFOF	Global Seismic Protection TF	Since TFOF of a Global TF needs the approval of the GCS, the TFOF was submitted to the GCS and approved on June 27, 2019.

Table 6 Authorized Activities

Listing of all revised or new SNARF(s) approved by the Originating TC Chapter.

#	SC/TF/WG	Details
None		

Note 1: SNARFs and TFOFs are available for review on the SEMI Web site at:

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

Table 7 Authorized Ballots

#	When	TF	Details
None			

Table 8 SNARF(s) Granted a One-Year Extension

#	TF	Title	Expiration Date
None			

Table 9 SNARF(s) Abolished

#	TF	Title
none		

Table 10 Standard(s) to receive Inactive Status

Standard Designation	Title
None	

Table 11 New Action Items

Item #	Assigned to	Details
None		

Table 12 Previous Meeting Action Items

Item #	Assigned to	Details
EHS20190419-01	SEMI staff	to check if there is any participation from RIKEN KEIKI, NEW COSMOS ELECTRIC and JAPAN PIONICS. -> Yes, there is at least one participating Japanese company's affiliate. CLOSE
EHS20190419-02	Supika Mashiro (Tokyo Electron)	to check if there should be any Standard for 5-Year Review and, if not, then to propose discharge of the TF at its next TC Chapter meeting -> CLOSE
EHS20190419-03	Seismic Protection TF leaders	to prepare for the revised TFOF -> CLOSE



Table 12 Previous Meeting Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
EHS20190419-04	SEMI staff	to forward it to the GCS for approval, after the TFOF draft is ready, with a message that the globalization is approved by the NA TC Chapter and the Japan TC Chapter at their meetings which are recorded in the meetings minutes. -> CLOSE
EHS20190419-05	STEP/SEMI S2 Working Group	to hold STEP/SEMI S2 in 2019 -> OPEN

1 Welcome, Reminders, and Introductions

Moray Crawford (Hatsuta Seisakusho) called the meeting to order at 14:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 01_SEMI Standards Required Elements_August2018_E+J

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion:	To approve the previous meeting minutes as written.
By / 2nd:	Hidetoshi Sakura (NuFlare Technology) / Tadamasu Tominaga (Murata Machinery)
Discussion:	None
Vote:	6 in favor and 0 opposed. Motion passed.

Attachment: 02_20190419_EHS-Japan_MeetingMinutes_Final

3 Liaison Reports

3.1 JRSC Report

Hidetoshi Sakura (NuFlare Technology) reported for the JRSC that the previous JRSC meeting was held on April 19 at SEMI Japan office as reported in the previous meeting of this TC Chapter and the following items were reported.

- Planning Meeting to be held on August 30, with a lecture for Regulation update
- There was an action Item that SEMI Japan staff to ask SEMI HQ staff for the operating rules for Connected@semi.

3.2 GCS Report

Hidetoshi Sakura (NuFlare Technology) reported for the EHS GCS as follows. The details are provided at the Global Seismic Protection TF Report of this meeting.

- EHS GCS Approval Request for TFOF of Global Seismic Protection TF was sent out on June 24.
- All the members were in favor for the TFOF, so it was approved.

3.3 EHS North America TC Chapter

Supika Mashiro (Tokyo Electron) reported for the EHS North America TC Chapter as attached.

Attachment: 03_NA EHS TC Chapter Liaison report August 2019 v1



3.4 EHS Taiwan TC Chapter

Chie Yanagisawa (SEMI Japan) reported for the EHS Taiwan TC Chapter as attached.

Attachment: 04_20190628_TW_EHS TC Liaison Report v1.1

3.5 SEMI Staff Report

Chie Yanagisawa (SEMI Japan) gave the SEMI Staff Report. Of note:

- JRSC Topics
- SEMI Japan Email Newsletter
- SEMI Global Calendar of Events
- Global Standards Meeting Schedule
- 2019 Critical Dates for SEMI Standards Ballots
- A&R Ballot Review
- SEMI Standards Publications
- Regulations & Procedure Manual Changes

Attachment: 05_SEMI Staff Report 2019_0828_v1.0

4 Ballot Review

None

5 Subcommittee and Task Force Reports

5.1 Global Seismic Protection Task Force

Supika Mashiro (Tokyo Electron) reported for the TF as follows.

- Both NA and JA TC Chapters have agreed to merge their respective Seismic Protection TFs into a global TF at their TC Chapter meetings.
 - NA Seismic Protection TF was disbanded on April 4.
 - Japan Seismic Protection TF was disbanded on April 19.
- TFOF for Global Seismic Protection TF
 - Since TFOF of a Global TF needs the approval of the GCS, the TFOF was submitted to the GCS and approved on June 27, 2019 as reported at the GCS Report section of this meeting.
- TF leader(s) to be formally appointed for this TF. The proposal to be made at the New Business section of this meeting.
- It was intention of both Japan and NA that once the Global TF would be formed it should promote participation of the Seismic TF currently under the Taiwan TC Chapter to the Global TF

5.2 S18 Revision Task Force



Supika Mashiro (Tokyo Electron) reported for the task force there is no update.

There is a big gap between S18 and S30 and the TF needs to work for revision.

TF needs to address flammable silicon compounds defined in S18 that have energetic characteristics by themselves or as the byproducts since S30 specifically exclude them from its scope

5.3 S23 Revision Global Task Force

Joji Hoshi (Tokyo Electron) reported for the task force as follows.

- Document 6515: Line Item Revision to SEMI S23-1216: “Guide for Energy, Utilities, and Materials Use Efficiency of Semiconductor Manufacturing Equipment”
 - Discussion focusing on the two items below for the ballot.
 - Non-refrigerated cooling water line
 - Hydrogen and natural gas for New energy conversion factor
 - Cycle for submission to be decided

5.4 SDRCM (S Documents REG-PG-SM Conformance Maintenance) Task Force

Supika Mashiro (Tokyo Electron) reported for the TF as follows.

- As the action item, EHS20190419-02, she checked if there should be any Standard for 5-Year Review and found no Standard.
- TF disbandment to be proposed at the New Business section of this meeting

5.5 STEP Planning Working Group

Kenji Sugihara (Panasonic) reported that the STEP/SEMI S2 for 2019 will be held on November 1 at SEMI Japan office.

6 Old Business

6.1 Project Period Review

Chie Yanagisawa (SEMI Japan) reported that all documents by the Japan TC Chapter passed and currently there is no active SNARF at this moment except for the following one

- #6515: Line Item Revision to SEMI S23-1216: “Guide for Energy, Utilities, and Materials Use Efficiency of Semiconductor Manufacturing Equipment”

6.2 Five Year Review

The TC Chapter reviewed the list of EHS Standards documents and found no published in 2014 and 2015.

7 New Business

7.1 Leader(s) of Global Seismic Protection Task Force

Supika Mashiro (Tokyo Electron) addressed the committee on this topic. As mentioned at Global Seismic Protection TF Report section, the TF leader(s) should be formally appointed since the TF globalization was approved.



Motion:	Appoint Supika Mashiro as Global Seismic Protection TF Leader representing Japan
By / 2nd:	Supika Mashiro (Tokyo Electron) / Hidetoshi Sakura (NuFlare Technology)
Discussion:	None
Vote:	6 in favor and 0 opposed. Motion passed.

7.2 Disbandment of SDRCM TF

Supika Mashiro (Tokyo Electron) addressed the committee on this topic. As mentioned at SDRCM TF Report section of this meeting, there is no current Standards for 5-Year-Review. So, she proposed as follows.

Motion:	Approve disbandment of SDRCM (S Documents REG-PG-SM Conformance Maintenance) Task Force
By / 2nd:	Supika Mashiro (Tokyo Electron) / Hidetoshi Sakura (NuFlare Technology)
Discussion:	None
Vote:	6 in favor and 0 opposed. Motion passed.

8 Action Item Review

8.1 Open Action Items

8.1.1 EHS20190419-01: SEMI staff to check if there is any participation from RIKEN KEIKI, NEW COSMOS ELECTRIC and JAPAN PIONICS. -> Yes, there is at least one participating Japanese companies affiliate. CLOSE

8.1.2 EHS20190419-02: Supika Mashiro (Tokyo Electron) to check if there should be any Standard for 5-Year Review and, if not, then to propose discharge of the TF at its next TC Chapter meeting -> CLOSE

8.1.3 EHS20190419-03: Seismic Protection TF leaders to prepare for the revised TFOF -> CLOSE

8.1.4 EHS20190419-04: SEMI staff to forward it to the GCS for approval, after the TFOF draft is ready, with a message that the globalization is approved by the NA TC Chapter and the Japan TC Chapter at their meetings which are recorded in the meetings minutes. -> CLOSE

8.1.5 EHS20190419-05: STEP/SEMI S2 Working Group to hold STEP/SEMI S2 in 2019 -> OPEN

8.2 New Action Items

There is no new action item for this meeting.

9 Next Meeting and Adjournment

The next meeting is tentatively scheduled as follows. See <http://www.semi.org/en/events> for the current list of meeting schedules.

- Date and Time: Friday, December 13, 2019, <time: 13:00-17:00>
- Place: Conference Tower, Tokyo Big Sight, Tokyo, Japan
- During SEMICON Japan 2019

Having no further business, a motion was made to adjourn. Adjournment was at 17:00.



Respectfully submitted by:

Chie Yanagisawa

Manager

SEMI Japan

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Minutes tentatively approved by:

Supika Mashiro (Tokyo Electron), Co-chair	October 15, 2019
Hidetoshi Sakura (NuFlare Technology), Co-chair	August 30, 2019
Moray Crawford (Hatsuta Seisakusho), Co-chair	September 4, 2019

Table 13 Index of Available Attachments#1

<i>Title</i>	<i>Title</i>
01_SEMI Standards Required Elements_August2018_E+J	04_20190628_TW_EHS TC Liaison Report v1.1
02_20190419_EHS-Japan_MeetingMinutes_final	05_SEMI Staff Report 2019_0828_v1.0
03_NA EHS TC Chapter Liaison report August 2019 v1	

#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.