



# EHS Japan TC Chapter

## Meeting Summary and Minutes

Japan Spring Meetings 2023  
 Wednesday, April 12, 2023 10:00 – 12:00 [JST]  
 OVTCCM/ SEMI Japan Office, Tokyo, Japan (Hybrid)

### TC Chapter Announcements

*Next TC Chapter Meeting*

Thursday, September 7, 2023 10:00-12:00 [JST]

OVTCCM/ SEMI Japan Office, Tokyo, Japan (Hybrid)

### Table 1 Meeting Attendees

*Italics indicate virtual participants.*

**Co-Chairs:** Hidetoshi Sakura/ Nuflare Technology, Moray Crawford/Hatsuta Seisakusho

**SEMI Staff:** Akiko Yoshida (SEMI Japan)

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
<i>Applied Materials Taiwan</i>	<i>Liu</i>	<i>Shane</i>	<i>Organo</i>	<i>Futatsuki</i>	<i>Takashi</i>
<i>DAIFUKU</i>	<i>Suzuki</i>	<i>Tomoko</i>	<i>Safety Guru</i>	<i>Sklar</i>	<i>Eric</i>
<i>Hatsuta Seisakusho</i>	<i>Crawford</i>	<i>Moray</i>	<i>SCREEN Semiconductor Solution</i>	<i>Nishimura</i>	<i>Takayuki</i>
<i>KOKUSAI ELECTRIC</i>	<i>Matsuda</i>	<i>Mitsuhiro</i>	<i>SEMI Japan</i>	<i>Kanno</i>	<i>Hirofumi</i>
<i>MURATA MACHINERY</i>	<i>Adachi</i>	<i>Naruto</i>	<i>SEMI Japan</i>	<i>Okayasu</i>	<i>Nobuko</i>
<i>Nikon Precision</i>	<i>Girlea</i>	<i>Lucian</i>	<i>SEMI Japan</i>	<i>Yoshida</i>	<i>Akiko</i>
<i>NuFlare Technology</i>	<i>Sakura</i>	<i>Hidetoshi</i>	<i>SGS Japan</i>	<i>Abe</i>	<i>Kenichi</i>
<i>NuFlare Technology</i>	<i>Sato</i>	<i>Yoshiyuki</i>			

### Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
None		

### Table 3 TC Chapter Structure Changes

<i>Previous WG/TF/SC Name</i>	<i>New WG/TF/SC Name or Status Change</i>
None	

### Table 4 Ballot Results

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

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

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



**Table 5 Ratification Ballot Results**

<i>Document #</i>	<i>Document Title</i>	<i>ISC A&amp;R Action</i>	<i>A&amp;R Forms</i>
None			

Note 1: **Passed** Ratification ballots will be submitted to SEMI publication for final processing.

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

**Table 6 Activities Approved by the GCS between meetings of the TC Chapter**

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
None			

**Table 7 Authorized Activities**

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

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
None			

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

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

**Table 8 Authorized Ballots**

<i>#</i>	<i>When</i>	<i>TF</i>	<i>Details</i>
7028	Cycle 4 or 5	EHS Japan TC Chapter	Reapproval of SEMI S21-0818, Safety Guideline for Worker Protection

**Table 9 SNARF(s) Granted a One-Year Extension**

<i>#</i>	<i>TF</i>	<i>Title</i>	<i>Expiration Date</i>
None			

**Table 10 SNARF(s) Abolished**

<i>#</i>	<i>TF</i>	<i>Title</i>
None		

**Table 11 Standard(s) to receive Inactive Status**

<i>Standard Designation</i>	<i>Title</i>
None	

**Table 12 New Action Items**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
EHS20230412-01	SEMI Staff	To submit the Letter Ballot for reapproval of S21-0818: Safety Guideline for Worker Protection in Cycle 4 or 5.

**Table 13 Previous Meeting Action Items**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
EHS20220908-02	JA & NA sides of Global Seismic TF leaders	To discuss the first Global TF meeting with NA Leader, Lauren Crane (Lam Research)->Open

## 1 Welcome, Reminders, and Introductions

Moray Crawford (Hatsuta Seisakusho) called the meeting to order at 10:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

**Attachment:** 01\_Meeting Reminders

## 2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

**Motion:** Approve the minutes as written.

**By / 2<sup>nd</sup>:** Hidetoshi Sakura (NuFlare Technology)/ Lucian Girlea (Nikon Precision)

**Discussion:** None.

**Vote:** 9-0. Motion passed.

**Attachment:** 02\_EHS Japan\_Minutes\_221215

## 3 Liaison Reports

### 3.1 Japan Regional Standards Committee (JRSC) Report

Moray Crawford (Hatsuta Seisakusho) reported for the JRSC that there had been no updates related to EHS from the previous meeting.

### 3.2 Global Coordinating Subcommittee (GCS) Report

Moray Crawford (Hatsuta Seisakusho) reported for the GCS that there had been no voting or discussion in GCS between meetings of the EHS Japan TC Chapter.

### 3.3 EHS North America TC Chapter

Eric Sklar (Safety Guru) reported for the EHS NA TC Chapter. Of note:

- S2 Interlocks Design Task Force was disbanded due to its expanded scope. Instead, S2 Major Revision Task Force was formed. The TF considers to issue an informational ballot.
- The S23 Revision Task Force has decided to turn SEMI S23-1021e “Guide for Conservation of Energy, Utilities and Materials Used by Semiconductor Manufacturing Equipment” into a “Test Method” with guidance information in an appendix because of the challenges of transitioning to two documents (an S23 Test Method & a new Guide).

**Attachment:** 03\_NA EHS TC Chapter Liaison report April 2023 v1\_es11apr23c



### 3.4 EHS Taiwan TC Chapter

Akiko Yoshida (SEMI Japan) reported that there had been no updates from the previous meeting.

## 4 SEMI Staff Report

Akiko Yoshida (SEMI Japan) gave the SEMI Staff Report. Of note:

- Regulations and Procedure Manual were updated in February.
- SEMI University (SEMI Global e-learning platform) was launched in early February 2023 providing 360+ on-demand courses created specifically for the semiconductor industry.

**Attachment:** 04\_Staff Report March 2023 v3

## 5 Ballot Review

None.

## 6 Subcommittee and Task Force Reports

### 6.1 Global Seismic Protection Task Force

Akiko Yoshida (SEMI Japan) reported for the Global Seismic Protection Task Force, on behalf a TF co-leader. The TF has not met as no specific topics were raised after the formation of the Global Task Force from NA side.

### 6.2 Global S23 Revision Task Force

Please refer to the North America TC Chapter liaison report for the Global S23 Revision Task Force updates.

### 6.3 S18 Revision Task Force

Akiko Yoshida (SEMI Japan) reported for S18 Revision Task Force, on behalf a TF co-leader. The TF is now considering whether to recruit additional members since the result of recruitment was slow.

### 6.4 S2 Major Revision Liaison TF Task Force

Akiko Yoshida (SEMI Japan) reported for S2 Major Revision Liaison Task Force, on behalf a TF co-leader. The Japan S2 Major Revision Liaison TF (JA-S2 revision LTF) is now recruiting members. Kick Off meeting will be held in May.

## 7 Old Business

### 7.1 Project Period Review

None.

### 7.2 5-year Review

The EHS Japan EHS TC Chapter co-chairs prepared the new SNARF to reapprove SEMI S21-0818 “Safety Guideline for Worker Protection,” and everyone attending the meeting reviewed it.



**Motion:** Approve the SNARF to reapprove SEMI S21-0818: Safety Guideline for Worker Protection.  
**By / 2<sup>nd</sup>:** Eric Sklar (Safety Guru)/ Takayuki Nishimura (SCREEN Semiconductor Solution)  
**Discussion:** None.  
**Vote:** 10-0. Motion passed.

**Motion:** Authorize the Letter Ballot for reapproval of S21-0818: Safety Guideline for Worker Protection in Cycle 4 or 5 of 2023  
**By / 2<sup>nd</sup>:** Eric Sklar (Safety Guru)/ Takayuki Nishimura (SCREEN Semiconductor Solution)  
**Discussion:** None.  
**Vote:** 10-0. Motion passed.

**Action Item:** EHS20230412-01, SEMI Staff to submit the Letter Ballot for reapproval of S21-0818: Safety Guideline for Worker Protection in Cycle 4 or 5.

**Attachment:** 05\_SNARF\_Reapproval\_S21-0818\_R1

*7.3 Regulations Change Proposal Originated from the S23 Global TF 5-year Review*

No proposal was made.

**8 New Business**

None.

**9 Action Item Review**

*9.1 Open Action Items*

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
EHS20220908-02	JA & NA sides of Global Seismic TF leaders	To discuss the first Global TF meeting with NA Leader, Lauren Crane (Lam Research)->Open
EHS20221215-01	SEMI Staff	To prepare Reapproval SNARF for SEMI S21-0818: Safety Guideline for Worker Protection by the next TC meeting. ->Closed

*9.2 New Action Items*

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
EHS20230412-01	SEMI Staff	To submit the Letter Ballot for reapproval of S21-0818: Safety Guideline for Worker Protection in Cycle 4 or 5.

**10 Next Meeting and Adjournment**

The next meeting is scheduled for Thursday, September 7, 2023 10:00-12:00 via OVTCCM and at SEMI Japan Office, Tokyo, Japan. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: [12:00].



Respectfully submitted by:

Akiko Yoshida  
Standards & EHS  
SEMI Japan

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Minutes tentatively approved by:

Supika Mashiro (Tokyo Electron), Co-chair	
Hidetoshi Sakura (NuFlare Technology), Co-chair	July 3, 2023
Moray Crawford (Hatsuta Seisakusho), Co-chair	July 3, 2023

**Table 14 Index of Available Attachments<sup>#1</sup>**

<i>Title</i>	<i>Title</i>

#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 [SEMI Staff Name] at the contact information above.