



## Automation Technology TC Chapter Meeting Summary and Minutes

Japan Standards Spring 2021 Meetings

January 28, 13:30 –17:30

SEMI Japan, Tokyo, Japan

### TC Chapter Announcements

*Next TC Chapter Meeting*

April 13, 13:30-17:30

SEMI Japan, Tokyo, Japan

### Table 1 Meeting Attendees

*Italics indicate virtual participants.*

**Co-Chairs:** Fumiyasu Ohbuchi (SIEMENS)

**SEMI Staff:** Hirofumi Kanno

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
<i>Panasonic</i>	<i>Inoue</i>	<i>Takahiro</i>	SIEMENS	Ohbuchi	Fumiyasu
Cimetrix	Nagatomo	Takahiro	SIEMENS	Nakahara	Kazuki
<i>FUJI</i>	<i>Iisaka</i>	<i>Jun</i>	SIEMENS	Shimono	Ryota
<i>CKD</i>	<i>Futamura</i>	<i>Ikuo</i>	<i>Komatsu Electronics</i>	<i>Tsuji</i>	<i>Taiji</i>
<i>Tokyo Electron</i>	<i>Murata</i>	<i>Naoko</i>	<i>Vistaideal Consulting</i>	<i>Asakawa</i>	<i>Terry</i>
<i>Cimetrix</i>	<i>Takanashi</i>	<i>Yukiya</i>	<i>Yokogawa Solution Service</i>	<i>Nakagawa</i>	<i>Takashi</i>
<i>Yokogawa Solution Service</i>	<i>Yamaki</i>	<i>Takeo</i>	SEMI Japan	<i>Hirofumi</i>	<i>Kanno</i>

### Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
GCS Voter	Terry Asakawa / Vistaideal Consulting	Fumiyasu Ohbuchi / SIEMENS
A1 TF	Kazuki Nakahara / SIEMENS	Ryota Shimono / SIEMENS

### Table 3 Committee Structure Changes

None

**Table 4 Ballot Results**

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
6672	Line Item Revisions to SEMI A2-1020: Specification for Surface Mount Assembler Smart Hookup (SMASH)	-
Line Item 1	Change responses to a propagating message to events.	Passed as balloted
Line Item 2	Correct 'HC' in the reference statement for AC and CC in 'User Defined VC Message Description' table to 'VC'.	Passed as balloted
Line Item 3	Change the recovery scenario when a pause is detected in ST0 from 'Resume' to 'Retry'.	Passed as balloted
Line Item 4	Add description about prerequisites when changing MD reference mode setting.	Passed as balloted
Line Item 5	Enhance and clarify the usages of the message thread and propagation function of SEMI A1 for flexible and extendable implementation.	Passed as balloted
Line Item 6	Clarify the timing to originate PanelArrived and PanelDeparted.	Passed as balloted
Line Item 7	Add messages that report load and unload of Panel and Magazine.	Passed as balloted
Line Item 8	Add result data handling messages.	Passed as balloted
Line Item 9	Add EquipID to user defined VC and HC messages.	Passed as balloted
6673	New Standard: Specification for Factory Operation Extension for SEMI A2 SMASH (SMASH-FOX)	Passed as balloted
6692	Line Item Revisions to SEMI A1-1020: Specification for Production Equipment Smart Connection Interface (PESCI)	-
Line Item 1	Add Inter-host connection to Line definition and explanation	Passed as balloted
Line Item 2	Insert new section '7.5 Structure and Functions of This Standard'	Passed as balloted
Line Item 3	Make the explanation in '7.7 Position of This Standard' more concrete	Passed as balloted
Line Item 4	Clarify the definitions of RESP_REQ and ORIG_RESP of PATH_ID	Passed as balloted
Line Item 5	Add ownership transfer timing description to 'Related Information 1'	Passed as balloted

#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 Activities Approved by the GCS between meetings of the TC Chapter**

None

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

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>
6725	SNARF	SMT TF	Line Item Revision to SEMI A2-1020 (or A2-mmyy (Doc. #6672) if published) Specification for Surface Mount Assembler Smart Hookup (SMASH)
6726	SNARF	F-GEM TF	Line Item Revision to SEMI Ax-mmyy (Doc. #6673) Specification for Factory Operation Extension for SEMI A2 SMASH (SMASH-FOX)

#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**

#	When	TF	Details
6725	When the document is ready.	SMT TF	Line Item Revision to SEMI A2-1020 (or A2-mmyy (Doc. #6672) if published) Specification for Surface Mount Assembler Smart Hookup (SMASH)
6726	When the document is ready.	F-GEM TF	Line Item Revision to SEMI Ax-mmyy (Doc. #6673) Specification for Factory Operation Extension for SEMI A2 SMASH (SMASH-FOX)

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

None

**Table 10 SNARF(s) Abolished**

None

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

None

**Table 12 New Action Items**

Item #	Assigned to	Details
20210128-1	SEMI Japan	SEMI Staff shall confirm with the co-chairs whether to use Connect@semi and reconfirm any questions about Connect@semi that have been raised in the past and share with the co-chairs.
20210128-2	Co-chairs	Co-chairs shall report JRSC that Japan Chapter of Global Automation Technical Committee wants to use current SVM as a simple voting tool rather than as a ballot review tool to avoid SVM dependent potential inconvenience and overhead caused by inconsistencies with the official voting review form and shall propose JRSC to request SEMI HQ to concentrate on removing bugs in the member authentication and voting functions.
20210128-3	Co-chairs	Co-chairs shall ask the appropriateness of above usage of OVTCM to Regulation Subcommittee.
20210128-4	SEMI Japan	SEMI Staff shall confirm the process that shall be taken for OVTCM adoption and inform the process to Co-chairs ASAP.

**Table 13 Previous Meeting Action Items**

Item #	Assigned to	Details
20201105-1	SEMI Japan	Check the revision status of the inactive committee disbandment's terms to the Regulations Subcommittee and report to the co-chairs. →Closed
20201105-2	SEMI Japan	Provide the TF leaders and members the URL for manual of connect@semi. →Closed
20201105-3	SEMI Japan	Create room for Flow Manufacturing Forum in connect@semi. →In the discussion on the motion of the approval of the previous minutes, it was decided to delete this Action Item and change the description to "this topic was raised during the liaison report on the Flow Manufacturing Form".



## 1 Welcome, Reminders, and Introductions

Fumiyasu Ohbuchi (SIEMENS) called the meeting to order at 13:30. 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\_June2020\_E+J

## 2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

**Motion:** To approve the meeting minute in November 2020 as written.

**By / 2<sup>nd</sup>:** Kazuki Nakahara (SIEMENS) / Nagatomo Takahiro (Cimetrix)

**Discussion:** Regarding action item 20201105-3, it was decided to delete this action item and change the description in the minutes to "Flow Manufacturing Form plans to have a room at Connect@SEMI".

**Vote:** 3-0, motion passed.

**Attachment:** 02, AT Minutes\_20201105a

## 3 Technical Committee Award

The Technical Committee Award was given to the following two persons.

Takahiro Nagatomo (Cimetrix Japan) - He has managed the F-GEM TF as the co-leader, and also led the TF in the development of #6673 SMASH-FOX, using his own expertise in terms of factory adaptation.

Kazuki Nakahara (SIEMENS) - As co-chair of the A1 TF, he has contributed greatly to the operation of the A1 TF and the revision and dissemination of SEMI A1. As he steps down from the co-chair position, the committee would like to express our appreciation for his contributions.

## 4 Liaison Reports

### 4.1 Automation Technology Taiwan TC Chapter

Fumiyasu Ohbuchi (SIEMENS) reported for the Taiwan TC Chapter.

**Attachment:** 03, AT TW Liaison Report

### 4.2 *Flow Manufacturing Forum*

Fumiyasu Ohbuchi (SIEMENS) reported for the FMF.

**Attachment:** 04, FMF Report

### 4.3 *SEMI Staff Report*

Hirofumi Kanno (SEMI) gave the SEMI Staff Report.

**Action Item 20210128-1:** SEMI Staff shall confirm with the co-chairs whether to use Connect@semi and reconfirm any questions about Connect@semi that have been raised in the past and share with the co-chairs.

**Attachment:** 05, Staff Report

## 5 Ballot Review

NOTICE 1 TC Chapter adjudication on ballots reviewed is detailed in the Audits & Review (A&R) Subcommittee Forms for procedural review. The A&R forms are available as attachments to these minutes. The attachment number for each balloted document is provided under each ballot review section below.

### 5.1 Document 6672 - Line Item Revisions to SEMI A2-1020: Specification for Surface Mount Assembler Smart Hookup (SMASH)

- Line Item 1 Change responses to a propagating message to events.
  - Line Item 2 Correct 'HC' in the reference statement for AC and CC in 'User Defined VC Message Description' table to 'VC'.
  - Line Item 3 Change the recovery scenario when a pause is detected in ST0 from 'Resume' to 'Retry'
  - Line Item 4 Add description about prerequisites when changing MD reference mode setting.
  - Line Item 5 Enhance and clarify the usages of the message thread and propagation function of SEMI A1 for flexible and extendable implementation.
  - Line Item 6 Clarify the timing to originate PanelArrived and PanelDeparted.
  - Line Item 7 Add messages that report load and unload of Panel and Magazine.
  - Line Item 8 Add result data handling messages.
  - Line Item 9 Add EquipID to user defined VC and HC messages.
- Attachment:** 06, 6672ReviewSheetFinal

### 5.2 Document 6673 - New Standard: Specification for Factory Operation Extension for SEMI A2 SMASH (SMASH-FOX)

**Attachment:** 07, 6673ReviewSheetFinal

### 5.3 Document 6692 - Line Item Revisions to SEMI A1-1020: Specification for Production Equipment Smart Connection Interface (PESCI)

- Line Item 1 Add Inter-host connection to Line definition and explanation
  - Line Item 2 Insert new section '7.5 Structure and Functions of This Standard'
  - Line Item 3 Make the explanation in '7.7 Position of This Standard' more concrete
  - Line Item 4 Clarify the definitions of RESP\_REQ and ORIG\_RESP of PATH\_ID
  - Line Item 5 Add ownership transfer timing description to 'Related Information 1'
- Attachment:** 08, 6692ReviewSheetFinal

## 6 Subcommittee and Task Force Reports

### 6.1 AI TF

Kazuki Nakahara (SIEMENS) reported for the A1 Task Force and stepped down as the TF co-leader.

- Motion:** To approve Ryota Shimono's (SIEMENS) appointment as TF co-leader  
**By / 2<sup>nd</sup>:** Kazuki Nakahara (SIEMENS) / Nagatomo Takahiro (Cimatrix)  
**Discussion:** None  
**Vote:** 3:0

**Attachment:** 09, JA\_AT\_Committee\_A1\_TF\_Report\_2021\_0125

## 6.2 SMT TF

Jun Iisaka (FUJI) reported for the SMT Task Force.

**Attachment:** 10, SMT TF\_Liaison\_Report\_2021\_0128

## 6.3 F-GEM TF

Takahiro Nagatomo (Cimetrix) reported for the F-GEM Task Force.

**Attachment:** 11, F-GEM\_TF\_Report\_2021\_0128

## 7 Old Business

### 7.1 Project period Review

None

### 7.2 5-year Review

None

## 8 New Business

### 8.1 New SNARF approval for Line Item Revision to SEMI A1

Jun Iisaka (FUJI) addressed the committee on this topic.

**Motion:** Approve the SNARF for Line Item Revision to SEMI A2-1020 (or A2-mmyy (Doc. #6672) if published) Specification for Surface Mount Assembler Smart Hookup (SMASH)

**By / 2<sup>nd</sup>:** Kazuki Nakahara (SIEMENS) / Takahiro Nagatomo (Cimetrix)

**Discussion:** None

**Vote:** 3:0

**Motion:** Approve the ballot issuance of Document for Line Item Revision to SEMI A2-1020 (or A2-mmyy (Doc. #6672) if published) Specification for Surface Mount Assembler Smart Hookup (SMASH)

**By / 2<sup>nd</sup>:** Kazuki Nakahara (SIEMENS) / Takahiro Nagatomo (Cimetrix)

**Discussion:** None

**Vote:** 3:0

**Attachment:** 12, SNARF\_for\_Line\_Item\_Revision\_to\_SEMI\_A2-xxxx\_SMASH\_2021\_0114

### 8.2 New SNARF approval for Line Item Revision to SEMI A1

Takahiro Nagatomo (Cimetrix) addressed the committee on this topic.

**Motion:** Approve the SNARF for Line Item Revision to SEMI Ax-mmyy (Doc. #6673) Specification for Factory Operation Extension for SEMI A2 SMASH (SMASH-FOX)

**By / 2<sup>nd</sup>:** Takahiro Nagatomo (Cimetrix) / Kazuki Nakahara (SIEMENS)

**Discussion:** None

**Vote:** 3:0

**Motion:** Approve the ballot issuance of Document for Line Item Revision to SEMI Ax-mmyy (Doc. #6673) Specification for Factory Operation Extension for SEMI A2 SMASH (SMASH-FOX)

**By / 2<sup>nd</sup>:** Ryota Shimono (SIEMENS) / Takahiro Nagatomo (Cimetrix)



**Discussion:** None

**Vote:** 3:0

**Attachment:** 13, SNARF\_for\_Line\_Item\_Revision\_to\_SEMI\_Ax-xxxx\_SMASH\_FOX\_2021\_0114

8.3 *Simulation of the Official Virtual TC Chapter Meeting (OVTCM) (per Procedure Manual ¶4.3.6.2)*

OVTCM simulations were conducted and completed.

Since there was no objection to the Co-chair's statement that he would like to use OVTCM as the JA TC Chapter, it was considered to be unanimously agreed.

Considering the COVID-19 pandemic situation, Japan Chapter of Global Automation Technical Committee wants to use the Official Virtual Meeting starting with the next committee meeting scheduled on April 13th.

However, due to the low maturity of current SVM, AT Committee wants to use it as a simple voting tool rather than as a ballot review tool to avoid potential inconvenience and overhead caused by inconsistencies with the official voting review form.

**Action Item 20210128-2:** Co-chairs shall report JRSC that Japan Chapter of Global Automation Technical Committee wants to use current SVM as a simple voting tool rather than as a ballot review tool to avoid SVM dependent potential inconvenience and overhead caused by inconsistencies with the official voting review form and shall propose JRSC to request SEMI HQ to concentrate on removing bugs in the member authentication and voting functions.

**Action Item 20210128-3:** Co-chairs shall ask the appropriateness of above usage of OVTCM to Regulation Subcommittee.

**Action Item 20210128-4:** SEMI Staff shall confirm the process that shall be taken for OVTCM adoption and inform the process to Co-chairs ASAP.

**9 Next Meeting and Adjournment**

The next committee meeting will be held on April 13th 13:30-17:30 at SEMI Japan office conference Room 2, Tokyo Japan.

See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: 15:30.

Hirofumi Kanno  
Standards & EHS  
SEMI Japan  
Phone: 81.3.3222.5760  
Email: hkanno@semi.org

Minutes tentatively approved by:

Yasuhiro Kaneko (Yamaha Motor), Co-chair (GCS)	2021/2/25
Fumiyasu Obuchi (SIEMENS), Co-chair (GCS)	2021/2/25
Terry Asakawa (Vistaideal Consulting), Co-chair	2021/2/25

**Table 14 Index of Available Attachments#1**

<i>Title</i>	<i>Title</i>
01 SEMI Standards Required Elements_June2020_E+J	07 6673ReviewSheetFinal
02 AT Minutes_20201105a	08 6692ReviewSheetFinal
03 AT TW Liaison report	09 JA_AT_Committee_A1_TF_Report_2021_0125
04 FMF Report	10 SMT TF_Liaison_Report_2021_0128
05 Staff Report	11 F-GEM_TF_Report_2021_0128
06 6672ReviewSheetFinal	12 SNARF_for_Line_Item_Revision_to_SEMI_A2-mmyy_SMASH_2021_0114
	13 SNARF_for_Line_Item_Revision_to_SEMI_Ax-mmyy_SMASH_FOX_2021_0114

#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.