



Global Automation Technology Japan TC Chapter

Meeting Summary and Minutes

Japan Standards Winter Meetings 2017

Thursday, December 21, 2017, Begin 14:00 - End 17:00

Meeting room at SEMI Japan, Chiyoda, Tokyo

TC Chapter Announcements

Next TC Chapter Meetings

Thursday, January 25, 2018, Begin 15:00 - End 17:00

Meeting room at SEMI Japan, Ichigaya, Chiyoda, Tokyo

Friday, April 20, 2018, Begin 13:00 - End 17:00

Meeting room at SEMI Japan, Ichigaya, Chiyoda, Tokyo

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Teruaki Ito (Mitsubishi Electric), Terry Asakawa (Vistaideal Consulting)

SEMI Staff: Mizue Iwamura

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
FUJI MACHINE MFG.	Ao	Hiroyuki	Tokyo Electron	Murata	Naoko
Mitsubishi Electric	Takahashi	Katsuyoshi	Vistaideal Consulting	Asakawa	Terry
Mitsubishi Electric	Ito	Teruaki			
SIMENS	Ohbuchi	Fumiyasu			
SIMENS	Nakahara	Kazuki	SEMI Japan	Iwamura	Mizue

Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
FOMLOS TF		Kazuki Nakahara (SIMENS) is appointed to co-leader.

Table 3 Committee 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>
6285	Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’, and ‘SEMI A1.1-0617 SPECIFICATION FOR MEDIA INTERFACE FOR A HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT’	
Line Item 1	Add timestamp to General Data format	Failed , Returned to the task force for re-work
Line Item 2	Add transition for communication errors in Mode Resolution Handshake under Material Handshake	Failed , Returned to the task force for re-work

#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

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

Table 6 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>
6328	SNARF	FOMLOS TF	Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’
6329	SNARF	FOMLOS TF	Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’ and ‘SEMI A1.1-0617 SPECIFICATION FOR MEDIA INTERFACE FOR A HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT’

#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

<i>#</i>	<i>When</i>	<i>TF</i>	<i>Details</i>
6328	Cycle 2-2018	FOMLOS TF	Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’
6329	Cycle 2-2018	FOMLOS TF	Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’ and ‘SEMI A1.1-0617 SPECIFICATION FOR MEDIA INTERFACE FOR A HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT’

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
2016-0422-02	EIS Task Force (T. Yutani)	To prepare SNARF for MD Specification Closed. Reconsider at FOMLOS TF.
2017-0419-01	EIS Task Force leader and Japan AT TC Chapter Chair	To communicate with EU Chapter before GCS Vote for Global EIS TF discharge OPEN
2017-0614-01	Co-chairs and SEMI Staff	To hold a session to introduce Taiwan PCB activity and to call for members to form counterpart in Japan. Invitations to be sent to JPCA, PCB related suppliers and users SEMI recognized, and Japan TC Chapter of Global AT committee members. Closed

1 Welcome, Reminders, and Introductions

Teruaki Ito (Mitsubishi Electric) called the meeting to order at 14:05. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 01_02_Required_Elements_Reg_20150327_E+J



2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion: To approve the meeting minute on September 6, 2017 as written
By / 2nd: Terry Asakawa (Vistaideal Consulting) / Naoko Murata (Tokyo Electron)
Discussion: None
Vote: 5/0 motion passed.

3 Liaison Reports

3.1 Automation Technology Europe TC Chapter

None.

3.2 Automation Technology Taiwan TC Chapter

Mizue Iwamura (SEMI) reported for the Automation Technology Taiwan TC Chapter as attached.

Attachment: 03_02_Taiwan AT Standard Committee Liaison Report_20171102

3.3 FlowMaster Forum

Terry Asakawa (Vistaideal Consulting) reported for FlowMaster Forum. Of note:

FlowMaster Forum has been communicating with JARA (Japan Robot Association) on the application of SEMI A1, and the next session will be held on Jan. 12, 2018 at SEMI Japan. The expected function of FlowMaster Forum is sharing of implementation knowhow and interoperability check results.

3.3 SEMI Staff Report

Mizue Iwamura (SEMI Japan) gave the SEMI Staff Report. See attached file.

Attachment: 03_05_SEMI Staff Report 20171212a

4 Ballot Review

NOTE 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.

4.1 Document #6285, Line Item Revision to 'SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM', and 'SEMI A1.1-0617 SPECIFICATION FOR MEDIA INTERFACE FOR A HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT'

4.1.1 Line Item 1: Add timestamp to General Data format

Line Item 1 failed, and it was returned to the task force for re-work. See attachment for ballot adjudication.

4.1.2 Line Item 2: Add transition for communication errors in Mode Resolution Handshake under Material Handshake

Line Item 2 failed, and it was returned to the task force for re-work. See attachment for ballot adjudication

Attachment: 05_01_6285_BallotReport_A1_20171221d

5 Subcommittee and Task Force Reports

5.1 Flow Oriented Manufacturing Line Operation System (FOMLOS) TF

Katsuyoshi Takahashi (Mitsubishi Electric) addressed committee on this topic.

Motion: To approve the appointment of Kazuki Nakahara (SIMENS) to co-leader of Flow Oriented Manufacturing Line Operation System (FOMLOS) TF.

By / 2nd: Katsuyoshi Takahashi (Mitsubishi Electric) / Hiroyuki Ao (FUJI MACHINE MFG)

Discussion: None

Vote: 6/0 motion passed.

Attachment: 06_01_FOMLOS TF Report_20171221

6 Old Business

6.1 Project period Review

Mizue Iwamura (SEMI Staff) reported that there was no project (SNARF) to be addressed.

6.2 5-year Review

Mizue Iwamura (SEMI Staff) addressed that there was no document to be addressed.

7 New Business

7.1 SNARF for Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’ and ‘SEMI A1.1-0617 SPECIFICATION FOR MEDIA INTERFACE FOR A HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT’

Terry Asakawa (Vistaideal Consulting) proposed a new SNARF for Line Item Revision to Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’ and ‘SEMI A1.1-0617 SPECIFICATION FOR MEDIA INTERFACE FOR A HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT’.

Motion: To approve a SNARF for Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’ and ‘SEMI A1.1-0617 SPECIFICATION FOR MEDIA INTERFACE FOR A HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT’.

By / 2nd: Terry Asakawa (Vistaideal Consulting) / Fumiyasu Ohbuchi (SIMENS)

Discussion: None

Vote: 6/0 motion passed.

Attachment: 07_01_SNARF_for_LI_to_A1_and_A1.1-0617_2017_1221a

7.2 Ballot submission of #TBD: Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’ and ‘SEMI A1.1-0617 SPECIFICATION FOR MEDIA INTERFACE FOR A HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT’ to Cycle 2-2018.

Terry Asakawa (Vistaideal Consulting) addressed the committee on this topic. The following action was taken.

Motion: To approve a ballot submission of #TBD: Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’ and ‘SEMI A1.1-0617 SPECIFICATION FOR MEDIA INTERFACE FOR A HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT’ to Cycle 2-2018.

By / 2nd: Terry Asakawa (Vistaideal Consulting) / Katsuyoshi Takahashi (Mitsubishi Electric)

Discussion: None

Vote: 6/0 motion passed.

7.3 SNARF for Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’

Terry Asakawa (Vistaideal Consulting) proposed a new SNARF for Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’. The following action was taken.

Motion: To approve a SNARF for Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’.

By / 2nd: Terry Asakawa (Vistaideal Consulting) / Naoko Murata (Tokyo Electron)

Discussion: None.

Vote: 6/0 motion passed.

Attachment: 07_03_SNARF_for_LI_to_A1-0617_2017_1221

7.4 Ballot submission of #TBD: Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’ to Cycle 2-2018.

Terry Asakawa (Vistaideal Consulting) addressed the committee on this topic. The following action was taken.

Motion: To approve a ballot submission of #TBD: Line Item Revision to ‘SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM’ to Cycle 2-2018.

By / 2nd: Terry Asakawa (Vistaideal Consulting) / Naoko Murata (Tokyo Electron)

Discussion: None

Vote: 6/0 motion passed.

8 Next Meeting and Adjournment

The next meetings are scheduled 15:00-17:00 on Thursday, January 25, 2018, and 13:00-17:00 on Friday, April 20, 2018 at SEMI Japan, Tokyo, Japan. See <http://www.semi.org/en/events> for the current list of meeting schedules.

Adjournment: 16:30



Respectfully submitted by:

Mizue Iwamura

Coordinator

Standards & EHS

SEMI Japan

Phone: 81.3.3222.5760

Email: miwamura@semi.org

Minutes tentatively approved by:

Teruaki Ito (Mitsubishi Electric), Co-chair	Thursday, January 11, 2018
Terry Asakawa (Vistaideal Consulting), Co-chair	Thursday, January 11, 2018

Table 13 Index of Available Attachments^{#1}

<i>Title</i>	<i>Title</i>
01_02_Required_Elements_Reg_20150327_E+J	05_01_FOMLOS TF Report_20171221
03_02_Taiwan AT Standard Committee Liaison Report_20171102	07_01_SNARF_for_LI_to_A1_and_A1.1-0617_2017_1221a
03_05_SEMI Staff Report 20171212a	07_03_SNARF_for_LI_to_A1-0617_2017_1221
04_01_6285_BallotReport_A1_20171221d_Terry_r1	

#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.