



Physical Interfaces & Carriers Japan TC Chapter

Meeting Summary and Minutes

Japan Spring Meetings 2023

Thursday, March 23, 2023, 13:30-16:30 (JST)

SEMI Japan office (via OVTCCM) Hybrid

TC Chapter Announcements

Next TC Chapter Meeting

Friday, July 21, 2023, 13:30-16:30[JST] @ SEMI Japan office (via OVTCCM) Hybrid

Table 1 Meeting Attendees

Italics indicate virtual participants.

Co-Chairs: Yasuhisa Ito (MURATA MACHINERY), Tsuyoshi Nagashima (Mirai Co., Ltd.), Daisuke Sado(DAIHEN Corporation)

SEMI Staff: Mami Nakajo

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
DAIFUKU	Suzuki	Tomoko	SINFONIA TECHNOLOGY	Taniyama	Yasushi
Shin-Etsu Polymer	Odashima	Satoshi	<i>SINFONIA TECHNOLOGY CO., LTD.</i>	<i>Suzuki</i>	<i>Atsushi</i>
Marubeni Plax	Igeta	Luke	MURATA MACHINERY	Ito	Yasuhisa
<i>Acteon NEXT LLC</i>	<i>Komatsu</i>	<i>Shoji</i>	JEOL	Asayama	Kyoichiro
<i>KOKUSAI ELECTRIC CORPORATION</i>	<i>Matsuda</i>	<i>Mitsuhiro</i>	SINFONIA TECHNOLOGY	Matsukubo	Taisuke
Shin-Etsu Polymer Co., Ltd.	Shida	Hiroyuki	SEMI Japan	Nakajo	Mami
<i>Mirai Co., Ltd.</i>	<i>Nagashima</i>	<i>Tsuyoshi</i>	SEMI Japan	Okayasu	Nobuko
<i>Hirata Corporation</i>	<i>Toyoda</i>	<i>Noriyoshi</i>			


Table 2 Leadership Changes

None

Table 3 Committee Structure Changes

None

Table 4 Ballot Results

Document #	<i>Document Title</i>	<i>Committee Action</i>	<i>A&R Forms for Approved Ballots</i>
7000	Line Item Revision of SEMI E84-1109 (Reapproved 1217) - Specification for Enhanced Carrier Handoff Parallel I/O Interface		 #7000_BallotReport_E84_final_A
LI-1	Replace “see” with “refer to” throughout	Passed as ballot	

#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 Authorized Activities

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

#	Type	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

#	Type	SC/TF/WG	Details
None			

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

None

Table 9 SNARF(s) Abolished

None

Table 10 Standard(s) to receive Inactive Status

Standard Designation	Title
None	

Table 11 New Action Items

Item #	Assigned to	Details
20230323-01	SEMI Staff	To submit A&R forms of 7000, Line Item Revision of SEMI E84-1109 (Reapproved 1217) - Specification for Enhanced Carrier Handoff Parallel I/O Interface
20230323-02	SEMI Staff	To propose HQ to replace the word “SEE”, which is a biased term, on SEMI® Standards Required Meeting Elements Slide 6 with “Refer to”. Other biased terms should be replaced as well.

Table 12 Previous Meeting Action Items

Item #	Assigned to	Details
20221215-01	SEMI Staff	To submit A&R forms of 6936, Line Item Revision of SEMI E182-0621 to ISC A&R >Closed
20221215-02	SEMI Staff	To submit Letter Ballot SNARF for Line Item Revision of SEMI E84-1109(Reapproved 1217) for Cycle1 or 2,2023 >Closed
20221215-03	SEMI Staff	To send GCS vote regarding adding Related Information to SEMI E182 and submit A&R forms after pass of GCS. >Closed



1 Welcome, Reminders, and Introductions

Yasuhisa Itou (MURATA MACHINERY) 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: 01-02_Required Element Nov 2022_E+J (new template)

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion:	Approve the previous minutes as edited
By / 2nd:	Satoshi Odashima (Shin-Etsu Polymer Co., Ltd.) / Luke Igeta (Marubeni Plax Corporation)
Discussion:	None
Vote:	12 in favor and 0 opposed. Motion Passed.

Attachment: 02-01_PIC Mins_20221215_v1.1_approved r2

3 Liaison Reports

3.1 PIC North America TC Chapter

Mami Nakajo (SEMI) gave the SEMI Staff Report. based on the material.

Attachment: 03-01_NA PIC Liaison Report Nov2022 v1

4 SEMI Staff Report

Mami Nakajo (SEMI) gave the SEMI Staff Report. based on the material.

Attachment: 04-01_Staff Report March 2022 v1

5 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.

5.1 Cycle 1-2023 submitted by the Japan TC Chapter

Doc7000 - Line Item Revision of SEMI E84-1109 (Reapproved 1217) - Specification for Enhanced Carrier Handoff Parallel I/O Interface

- Line Item #1: Replace “see” with “refer to” throughout

Motion:	Negative is related and not persuasive. (Needs $\geq 2/3$ votes to pass.)
By / 2nd:	Shoji Komatsu (Acteon NEXT) / Satoshi Odashima (Shin-Etsu Polymer Co., Ltd.)
Discussion:	None
Vote:	12 in favor and 0 opposed. Motion Passed.

Motion:	This is not a Safety Document, when all safety-related information is removed, the Document is still technically sound and complete. (Regulations ¶ 8.7.1)
By / 2nd:	Shoji Komatsu (Acteon NEXT)/ Satoshi Odashima (Shin-Etsu Polymer)
Discussion:	None

Vote:	12 in favor and 0 opposed. Motion Passed.
Motion:	Line item(s) [1] passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
By / 2nd:	Shoji Komatsu (Acteon NEXT)/ Satoshi Odashima (Shin-Etsu Polymer)
Discussion:	None
Vote:	14 in favor and 0 opposed. Motion Passed.

Attachment: 5-1_7000_BallotReport_E84_r2

6 Subcommittee and Task Force Reports

6.1 Global PIC Standards Maintenance TF

Shoji Komatsu (Acteon NEXT LLC) reported for the task force. Of note: As the TF leader, Larry, was not available, the TF which is revisioning E84 in NA was canceled. It is to take place in SEMICON WEST.

6.2 Japan Electron Microscopy Workflow liaison TF

Kyoichiro Asayama (JEOL) reported for the task force as attached slides.

Attachment: 06-02_230323_PI&C EMWF

6.3 Panel Level Packaging Panel FOUP TF

Shoji Komatsu (Acteon NEXT LLC) reported for the task force as attached slides.

Attachment: 06-03_Panel FOUP TF report_20230323A

6.4 [Liaison: 3D Packaging & Integration JA TC Chapter] Panel Level Packaging Glass Carrier TF

There is no update. As relevant matters, T24-1222 Specification of ID Marking for Glass Carrier Characteristics of Panel Level Packaging (PLP) Applications was published in December 2022 by Traceability TC.

6.5 [Liaison: 3D Packaging & Integration NA TC Chapter] Panel Level Packaging Panel TF

There is no update.

6.6 [Liaison: Silicon Wafer TC Chapter] JA Shipping Box TF

The TF which aims to disband is to take place on April 7. Much participation is welcomed.

7 Old Business

7.1 Project Period Review – None

7.2 5 years review – None

8 New Business

Proposal of New Activity – None

9 Action Item Review

9.1 Open Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
20221215-01	SEMI Staff	To submit A&R forms of 6936, Line Item Revision of SEMI E182-0621 to ISC A&R >Closed
20221215-02	SEMI Staff	To submit Letter Ballot SNARF for Line Item Revision of SEMI E84-1109(Reapproved 1217) for Cycle1 or 2,2023 >Closed
20221215-03	SEMI Staff	To send GCS vote regarding adding Related Information to SEMI E182 and submit A&R forms after pass of GCS. >Closed

9.2 New Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
20230323-01	SEMI Staff	To submit A&R forms of 7000, Line Item Revision of SEMI E84-1109 (Reapproved 1217) - Specification for Enhanced Carrier Handoff Parallel I/O Interface
20230323-02	SEMI Staff	To propose the substitution the biased items for unbiased ones such as “See” for “Refer to” to SEMI HQ.

10 Next Meeting and Adjournment

The next committee meeting is scheduled for Friday, May 21, 2023, 13:30-16:30 [JST] @ SEMI Japan office, Tokyo (via OVTCCM) Hybrid.

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

Adjournment: 14:46

Respectfully submitted by:

Mami Nakajo
Standards & EHS
SEMI Japan
Phone: 81.3.3222.5949
Email: mnakajo@semi.org

Minutes tentatively approved by:

Tsuyoshi Nagashima (Mirai), Co-chair	April xx, 2023
Daisuke Sado (DAIHEN), Co-chair	April xx, 2023
Ito Yasuhisa (MURATA MACHINERY), Co-chair	April xx, 2023



Table 13 Index of Available Attachments#1

<i>Title</i>	<i>Title</i>
01-02_Required Element Nov 2022_E+J (new template)	04-01_Staff Report March 2022 v1
02-01_PIC Mins_20221215_v1.1_approved r2	06-02_230323_PI&C EMWF
03-01_NA PIC Liaison Report Nov2022 v1	06-03_Panel FOUP TF report_20230323A

#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 Mami Nakajo at the contact information above.