



Gases and Facilities Japan Joint TC Chapter

Meeting Summary and Minutes

Japan Summer Meetings 2024

Friday, June 28, 2024 14:00 – 16:15 JST

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

TC Chapter Announcements

Next TC Chapter Meeting

Thursday, October 24, 2024 14:00-17:00 JST

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

Table 1 Meeting Attendees

Italics indicate virtual participants.

Gases Japan TC Chapter Co-Chairs: Hiromichi Enami (iZOOM), Isao Suzuki (Consultant), Masafumi Kitano (Fujikin)

Facilities Japan TC Chapter Co-Chairs: Hiromichi Enami (iZOOM), Isao Suzuki (Consultant), Masafumi Kitano (Fujikin)

SEMI Staff: Akiko Yoshida (SEMI Japan)

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Consultant	Suzuki	Isao	Tokyo Electron	Hayashi	Haruna
<i>i-ZOOM</i>	<i>Enami</i>	<i>Hiromichi</i>	Tokyo Electron	Mashiro	Supika
<i>KOKUSAI ELECTRIC</i>	<i>Matsuda</i>	<i>Mitsuhiro</i>	Tokyo Electron	Tomita	Yugo
Fujikin	Kitano	Masafumi	Tokyo Electron Technology	Kikuchi	Hiroaki
MARUICHI STAINLESS TUBE	Nagao	Mamoru	SCREEN Semiconductor Solutions	Nishimura	Takayuki
<i>Nippon Steel Stainless Steel Pipe</i>	<i>Miyahara</i>	<i>Osamu</i>	SEMI Japan	Kanno	Hirofumi
NISSAN TANAKA	Takamisawa	Kazuhiko	SEMI Japan	Yoshida	Akiko
<i>Yamashin Industry</i>	<i>Ninomaru</i>	<i>Yoshihiro</i>			

Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
E137 Revision Task Force	--	Haruna Hayashi (Tokyo Electron)

Table 3 TC Chapter Structure Changes

<i>Previous WG/TF/SC Name</i>	<i>New WG/TF/SC Name or Status Change</i>
--	E137 Revision Task Force

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
7205	Line Item Revision to SEMI F44-0307 (Reapproved 0818), SPECIFICATION FOR MACHINED STAINLESS STEEL WELD FITTINGS	

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
Line Item 1	Modifications to comply with the Style Manual (Type 2 editorial changes)	Returned to the TC Chapter for rebalot
Line Item 2	Modifications to avoid self-contradictory sentences and for more clarification	Returned to the TC Chapter for rebalot
Line Item 3	Deletion of wall thickness of tube end	Returned to the TC Chapter for rebalot
7206	Line Item Revision to SEMI F45-0307 (Reapproved 0818), SPECIFICATION FOR MACHINED STAINLESS STEEL REDUCINGWELD FITTINGS	
Line Item 1	Modifications to comply with the Style Manual (Type 2 editorial changes)	Returned to the TC Chapter for rebalot
Line Item 2	Modifications to avoid self-contradictory sentences and for more clarification	Returned to the TC Chapter for rebalot
Line Item 3	Deletion of wall thickness of tube end	Returned to the TC Chapter for rebalot

#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&R Action</i>	<i>A&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) and TFOF(s) approved by the Originating TC Chapter.

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
--	TFOF	E137 Revision Task Force	Newly formed.

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

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

Table 8 Authorized Ballots

<i>#</i>	<i>When</i>	<i>TF</i>	<i>Details</i>
7205A	Cycle 6	5-year Review Task Force	Line Item Revision to SEMI F44-0307 (Reapproved 0818), Specification for Machined Stainless Steel Weld Fittings
7206A	Cycle 6	5-year Review Task Force	Line Item Revision to SEMI F45-0307 (Reapproved 0818), Specification for Machined Stainless Steel Reducing Weld Fittings

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

#	TF	Title	Expiration Date
None			

Table 10 SNARF(s) Abolished

#	TF	Title
None		

Table 11 Standard(s) to receive Inactive Status

Standard Designation	Title
None	

Table 12 New Action Items

Item #	Assigned to	Details
G+F_20240628-01	5-year Review Task Force	To submit Doc.#7205A, Line Item Revision to SEMI F44-0307 (Reapproved 0818), Specification for Machined Stainless Steel Weld Fittings for Cycle 6 or later.
G+F_20240628-02	5-year Review Task Force	To submit Doc.#7206, Line Item Revision to SEMI F45-0307 (Reapproved 0818), Specification for Machined Stainless Steel Reducing Weld Fittings for Cycle 6 or later.

Table 13 Previous Meeting Action Items

Item #	Assigned to	Details
G+F_20240126-01	5-year Review Task Force	To submit Doc.#7205, Line Item Revision to SEMI F44-0307 (Reapproved 0818), Specification for Machined Stainless Steel Weld Fittings for Cycle 4 or 5. →Closed.
G+F_20240126-02	5-year Review Task Force	To submit Doc.#7206, Line Item Revision to SEMI F45-0307 (Reapproved 0818), Specification for Machined Stainless Steel Reducing Weld Fittings for Cycle 4 or 5. →Closed.

1 Welcome, Reminders, and Introductions

Isao Suzuki (Consultant) 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_Required Meeting Elements March 2024_J

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion: Approve the minutes as written.

By / 2nd: Kazuhiko Takamisawa (NISSAN TANAKA)/ Osamu Miyahara (Nippon Steel Stainless Pipe)

Discussion: None.

Vote: 9-Y 0-N. Motion passed.

Attachment: 02_G+F Japan TC_Minutes_20240126_R1

3 Liaison Reports

3.1 Japan Regional Standards Committee (JRSC)

Akiko Yoshida (SEMI Japan) reported for the JRSC. At the previous meeting held on April 9, the JRSC recommended that GoToMeeting, which has been used for many years as an official web conferencing system for audio and visual content for the Japan TC Chapter meetings, be replaced by Microsoft Teams due to recent connection problems.

Hirofumi Kanno (SEMI Japan) also reported that the Planning Meeting will be held on Friday, August 31 inviting all the TF leaders as well as TC co-chairs to discuss emerging standardization issues related to Digital Twin. Program members other than leadership level will also be invited if they are recommended by the TC co-chairs.

3.2 Global Coordinating Subcommittee (GCS)

Akiko Yoshida (SEMI Japan) reported that there had been no voting or discussion in GCS between meetings of the Gases and Facilities Japan Joint TC Chapter.

3.3 Gases and Liquid Chemicals Europe Joint TC Chapter

Akiko Yoshida (SEMI Japan) reported for the Gases and Liquid Chemicals Europe Joint TC Chapter. Of note:

- All TFs are not active.
- Revitalization plans will be discussed at the next meeting during SEMICON Europa.
- TC members will review a lot of existing standards which are due for 5 years review and make an informed decision.

Attachment: 03_EU Gases & Liquid Chemicals Liaison Report Dec2023 v1

3.4 Facilities and Gases North America Joint TC Chapter

Akiko Yoshida (SEMI Japan) reported for the Facilities and Gases North America Joint TC Chapter.

- Action needed to either send to Inactive Status or issue new SNARF for below standards documents:
 - SEMI E51, Guide for Typical Facilities Services and Termination Matrix
 - SEMI E76, Guide for 300 mm Process Equipment Points of Connection to Facility Services
 - SEMI E6, Guide for Semiconductor Equipment Installation Documentation
- Voltage Sag Immunity Task Force submitted revision SNARF for SEMI F47 to keep from moving to Inactive Status.
- SNARF 6628 by BIM Task Force was granted one year extension for developing New Standard: Guide for Facilities Data Package for Semiconductor Manufacturing Equipment Installation and Building Information Modeling.

Attachment: 04_NA F&G Liaison Report Mar2024 v1

3.5 Facilities Korea TC Chapter

Akiko Yoshida (SEMI Japan) reported for the Facilities Korea TC Chapter. Of note:

- Although the TC meeting has not been held for a long period of time, the Voltage Sag Immunity Task Force is quite active.

Attachment: 05_Liaison report_Facilities_KR_Mar2024

Staff Note: According to the report, the TC Chapter meeting was supposed to be held on June 5, but it wasn't eventually held.

4 SEMI Staff Report

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

- New online voting system went live for Cycle 3, 2024. This integrates and streamlines sign-in process with various SEMI/Standards member services, and improves data management for SEMI internal database. It is also expected to bring updated user interface while maintaining functionality that's familiar to voters.
- SEMI Standards Regulations and Procedure Manual were updated in February 2024. They are available at www.semi.org/standards (under Tools for Developing Standards).
- TFs have one year from 02/20/24 to implement use of Connect@SEMI (<https://connect.semi.org>) for TF management and document development depository. Once TFs have implemented use of Connect@SEMI, they shall use it to: maintain the TF member roster up to date, share the working drafts in PDF, and distribute the Draft Document at least one week before ballot submission to SEMI.
- Meeting Required Elements have been updated to include notice on confidential information.

Attachment: 06_Staff Report March 2024 v4.2

5 Ballot Review

The below ballots were submitted for Cycle 5, however, as ballots did not attain a 60% return rate by 3 business days before the date of the scheduled TC Chapter meeting, the Draft Documents were returned to the TC Chapter for rebalot per Regs 9.3.2.1. Please refer to 8.2 for further information.

- Doc.#7205, Line Item Revision to SEMI F44-0307 (Reapproved 0818), Specification for Machined Stainless Steel Weld Fittings)
- Doc.#7206, Line Item Revision to SEMI F45-0307 (Reapproved 0818), Specification for Machined Stainless Steel Reducing Weld Fittings

6 Task Force Reports

6.1 *Gases Japan TC Chapter*

Nothing specific to report.

6.2 *Facilities Japan TC Chapter*

6.2.1 *F1 Revision Task Force*

Nothing specific to report.

6.2.2 *5-year Review Task Force*

Nothing specific to report.

7 Old Business

7.1 *Project Period Review*

None.

7.2 *5-year Review*

None.

8 New Business

8.1 TFOF for SEMI E137 Revision Activities

Haruna Hayashi (Tokyo Electron) proposed updating SEMI E137, which is an industry standard that addresses shipping related practices, from the sustainability point of view. This was first discussed in the Equipment Suppliers' Group (ESG), a special interest group within SEMI, and the proposed activity was supported by them as well as the device manufacturers. It was also noted that SEMI E137 was originally developed by the Facilities NA TC Chapter, but they agreed that the Japan TC Chapter will take over revision activities. Then, the TFOF to newly form E137 Revision Task Force was proposed.

Motion: Approve the TFOF for E137 Revision Task Force.
By / 2nd: Masafumi Kitano (Fujikin)/ Haruna Hayashi (Tokyo Electron)
Discussion: None.
Vote: 10-Y 0-N. Motion passed.

Attachment: 07_TFOF_Feb2024 - E137 Revision_v5

8.2 Doc.#7205 and Doc.#7206

As Doc.#7205 and Doc.#7206 were returned to the TC Chapter for rebalot per Regs 9.3.2.1, Masafumi Kitano (Fujikin) proposed that the 5-Year Review Task Force will work on further editorial changes based on the negative received and will submit Doc.#7205A and Doc.#7206A for Cycle 6 or later.

Motion: Authorize Doc.#7205A (Line Item Revision to F44) and Doc.#7206A for Letter Ballot (Line Item Revision to F45) in Cycle 6 or later.
By / 2nd: Masafumi Kitano (Fujikin)/ Kazuhiko Takamisawa (NISSAN TANAKA)
Discussion: None.
Vote: 8-Y 0-N. Motion passed.

9 Action Item Review

9.1 Open Action Items

Item #	Assigned to	Details
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9.2 New Action Items

Item #	Assigned to	Details
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10 Next Meeting and Adjournment

The next meeting is scheduled for Thursday, October 24, 2024 14:00-17:00 via OVTCCM and at SEMI Japan, Tokyo, Japan. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: [16:15].

Respectfully submitted by:

Akiko Yoshida

Standards & EHS

SEMI Japan

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Minutes tentatively approved by:

Hikomichi Enami (iZoom) , Co-chair	July 11, 2024
Isao Suzuki (Consultant), Co-chair	July 11, 2024
Masafumi Kitano (Fujikin), Co-chair	July 10, 2024

Table 14 Index of Available Attachments^{#1}

<i>Title</i>	<i>Title</i>
01_ Required Meeting Elements March 2024_J	05_ Liaison report Facilities_KR_Mar2024
02_ G+F Japan TC_Minutes_20240126_R1	06_ Staff Report March 2024 v4.2
03_ EU Gases & Liquid Chemicals Liaison Report Dec2023 v1	07_ TFOF_Feb2024 - E137 Revision_v5
04_ NA F&G Liaison Report Mar2024 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 Akiko Yoshida at the contact information above.