Gases Japan TC Chapter and Facilities Japan TC Chapter Joint Meeting
Meeting Summary and Minutes

SEMI Japan Standards Summer 2015 Meetings
July 9, 2015, 15:00-17:00
SEMI Japan, Tokyo, Japan

Next Committee Meeting
Gases Japan TC Chapter:
SEMI Japan Standards Fall 2015 Meetings
Friday, September 18, 2015, 15:00-17:00
SEMI Japan, Tokyo, Japan

Facilities Japan TC Chapter:
SEMI Japan Standards Fall 2015 Meetings
Friday, September 18, 2015, 15:00-17:00
SEMI Japan, Tokyo, Japan

Table 1 Meeting Attendees
Co-Chairs of Gases Japan TC Chapter: Hiromichi Enami (Hitachi High Technologies), Isao Suzuki (MKS Japan)
Co-Chairs of Facilities Japan TC Chapter: Hiromichi Enami (Hitachi High Technologies), Isao Suzuki (MKS Japan)
SEMI Staff: Naoko Tejima (SEMI Japan)

<table>
<thead>
<tr>
<th>Company</th>
<th>Last</th>
<th>First</th>
<th>Company</th>
<th>Last</th>
<th>First</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hitachi High Technologies</td>
<td>Enami</td>
<td>Hiromichi</td>
<td>Fujikin</td>
<td>Machii</td>
<td>Yoshifumi</td>
</tr>
<tr>
<td>Fujikin</td>
<td>Hirose</td>
<td>Takashi</td>
<td>ACE</td>
<td>Mihira</td>
<td>Hiroshi</td>
</tr>
<tr>
<td>Hitachi Metals</td>
<td>Ikeuchi</td>
<td>Shintaro</td>
<td>Tokyo Electron Yamanashi</td>
<td>Moriya</td>
<td>Shuiji</td>
</tr>
<tr>
<td>Swagelok</td>
<td>Ishida</td>
<td>Noritsugu</td>
<td>HORIBA STEC</td>
<td>Shimizu</td>
<td>Tetsuo</td>
</tr>
<tr>
<td>Flow Techno Service</td>
<td>Ishihara</td>
<td>Seiji</td>
<td>MKS Japan</td>
<td>Suzuki</td>
<td>Isao</td>
</tr>
<tr>
<td>HORIBA STEC</td>
<td>Isobe</td>
<td>Yasuhiro</td>
<td>SEMI Japan</td>
<td>Naoko</td>
<td>Tejima</td>
</tr>
<tr>
<td>ITW Japan Brooks Instruments</td>
<td>Kashiwazaki</td>
<td>Hokuto</td>
<td></td>
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</tbody>
</table>

* alphabetical order by last name

Table 2 Leadership Changes
Gases Japan TC Chapter
None.

Facilities Japan TC Chapter
None.

Table 3 Ballot Results
Gases Japan TC Chapter
None.

Facilities Japan TC Chapter
None.

Gases Japan TC Chapter and Facilities Japan TC Chapter Joint Meeting Minutes
July 9, 2015
SEMI Japan
Tokyo, Japan
Table 4 Authorized Ballots
Gases Japan TC Chapter
None.

Facilities Japan TC Chapter
None.

Table 5 Authorized Activities
Gases Japan TC Chapter
None.

Facilities Japan TC Chapter
None.

Table 6 New Action Items
Gases Japan TC Chapter
None.

Facilities Japan TC Chapter

<table>
<thead>
<tr>
<th>Item #</th>
<th>Assigned to</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facilities150709-01</td>
<td>Hiromichi Enami</td>
<td>To check with NA TC Chapter members to which part of the charter “Building Model Facilities” is comprehended at SEMICON West Meeting.</td>
</tr>
</tbody>
</table>

[Common Part 1]

1 Welcome, Reminders, and Introductions
Hiromichi Enami, committee co-chair, called the meeting to order at 15:00. Self-introductions were made followed by the agenda review.

2 Required Meeting Elements
The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed by SEMI staff, Naoko Tejima.

3 Review of Previous Meeting Minutes
The committee reviewed the minutes of the previous meeting held on April 24, 2015.

Motion: To approve the minutes of the previous meeting as written.

By / 2nd: Seiji Ishihara, (Flow Techno Service) / Yoshifumi Machii (Fujikin)

Discussion: None

Vote: 11 in favor and 0 opposed. **Motion passed.**

Attachment: 01_JA_G+F_Previous_Mtg_Minutes_150709
4 SEMI Staff Report

Attachment: 02_SEMI_Staff_Report_150709

5 Liaison Reports
5.1 Gases North America TC Chapter Report
No report was provided.

5.2 Gases Europe TC Chapter Report
No report was provided.

[Gases Japan TC Chapter Part]

6 Task Force Reports
6.1 Gas Panel and Metal Seal Test Methods Task Force
Yoshifumi Machii reported for the Gas Panel and Metal Seal Test Methods Task Force that there were not particular activities.

6.2 5-year-review Task Force
Yoshifumi Machii reported for the 5-year-review Task Force that there were not particular activities.

6.3 Standardization of Live Gas Flow Rate Study Group
Shuji Moriya reported for the Standardization of Live Gas Flow Rate Study Group. The Study Group met earlier in the day. Of note:

- Mr. Morioka from AIST presented the proposal of “Standardization of the process gas flow rates used in the semiconductor manufacturing process” and discussed it.
- It was agreed to work together for developing standard documents, and Study Group will be transferred to Task Force. TFOF will be submitted to the next TC Chapter meeting.
- Awareness survey will be made prior to submit TFOF.

7 Old Business
7.1 Previous Meeting Action Items
Naoko Tejima reviewed the previous meeting action items.

Table 7 Previous Meeting Actions Items

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>G+F141202-01</td>
<td>Co-chairs and SEMI staff</td>
<td>To consider the meeting operation and the agenda of joint meeting of the Gases Japan TC Chapter and the Facilities Japan TC Chapter. … Close</td>
</tr>
<tr>
<td>Gases150424-01</td>
<td>Standardization of Live Gas Flow Rate SG</td>
<td>To report the specific contents about the proposal from AIST after discussion with them at the next TC Chapter meeting. … Close</td>
</tr>
<tr>
<td>Gases150424-02</td>
<td>SEMI</td>
<td>To send the current Global Charters of Global Gases TC to TC members and collect their opinions and ideas to its revision. … Close</td>
</tr>
</tbody>
</table>
[Facilities Japan TC Chapter Part]

8 Task Force Reports

8.1 F1 Revision Task Force
Yoshifumi Machii reported for the F1 Revision Task Force that there were not particular activities.

9 Old Business

9.1 Previous Meeting Action Items
Naoko Tejima reviewed the previous meeting action items.

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[Common Part 2]

10 New Business

10.1 Review of Global Charter
The Global Charters of Global Gases TC and Global Facilities TC were reviewed.

Action Item: Hiromichi Enami to check with NA TC Chapter members to which part of the charter “Building Model Facilities” is comprehended at SEMICON West Meeting.

Attachment: 03_G&F_Global_Charter_150709

10.2 Introduction of the New SEMI Japan Activities for the Chemical and Gases Manufactures
SEMI Japan will start the New Activities, CGMG (Chemical and Gas Manufacturer’s Group). Actually these activities has already started in NA and Korea. Taiwan and Japan is in preparation. Its outline is attached.

Attachment: 04_Introduction_of_CGMG_150709

11 Action Item Review

11.1 New Action Items
Naoko Tejima reviewed the new action items. These can be found in the New Action Items table at the beginning of these minutes.

12 Next Meeting and Adjournment
The next meeting of the Gases Japan TC Chapter is scheduled for Friday, September 18, 2015, 15:00-17:00, SEMI Japan, Tokyo, Japan.

The next meeting of the Facilities Japan TC Chapter is scheduled for Friday, September 18, 2015, 15:00-17:00, SEMI Japan, Tokyo, Japan.

The meeting schedule during SEMICON Japan 2015 is as follows;

- Standardization of Live Gas Flow Rate Study Group: 10:00-11:30, Tuesday, December 15.
- Gases Japan TC Chapter and Facilities Japan TC Chapter Joint Meeting: 11:30-12:00, Tuesday, December 15.
Respectfully submitted by:
Naoko Tejima  
Manager, Standards  
SEMI Japan  
Phone: +81.3.3222.5804  
Email: ntejima@semi.org

Minutes approved by:
<table>
<thead>
<tr>
<th>Name</th>
<th>Date</th>
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<tbody>
<tr>
<td>Hiromichi Enami (Hitachi High Technologies), Co-chairs</td>
<td>August **, 2015</td>
</tr>
<tr>
<td>Isao Suzuki (MKS Japan), Co-chairs</td>
<td>August **, 2015</td>
</tr>
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</table>

**Table 9 Index of Available Attachments #1**

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<td>2</td>
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<td>G&amp;F_Global_Charter_150709</td>
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<tr>
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<td>Introduction_of_CGMG_150709</td>
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</table>

#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 Naoko Tejima at the contact information above.