Gases Japan TC Chapter and Facilities Japan TC Chapter Joint Meeting
Meeting Summary and Minutes
SEMI Japan Standards Spring 2016 Meetings
March 18, 2016, 15:00-17:00
SEMI Japan, Tokyo, Japan

TC Chapter Announcements

Gases Japan TC Chapter:
SEMI Japan Standards Summer 2016 Meetings
Friday, June 24, 2016, 15:00-17:00
SEMICON Japan 2014, SEMI Japan, Tokyo, Japan

Facilities Japan TC Chapter:
SEMI Japan Standards Winter 2015 Meetings
Tuesday, December 15, 2015, 11:30-13:00
SEMICON Japan 2014, 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>
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<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>
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<tr>
<td>Fujikin</td>
<td>Hirose</td>
<td>Takashi</td>
<td>HORIBA STEC</td>
<td>Shimizu</td>
<td>Tetsuo</td>
</tr>
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<td>Hitachi Metals</td>
<td>Jinbo</td>
<td>Katsuhiko</td>
<td>MKS Japan</td>
<td>Suzuki</td>
<td>Isao</td>
</tr>
<tr>
<td>Flow Techno Service</td>
<td>Ishihara</td>
<td>Seiji</td>
<td>SEMI Japan</td>
<td>Naoko</td>
<td>Tejima</td>
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<tr>
<td>HORIBA STEC</td>
<td>Isobe</td>
<td>Yasuhiro</td>
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* 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.
1 Welcome, Reminders, and Introductions

Hiromichi Enami, committee co-chair, called the meeting to order at 15:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

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

By / 2nd: Seiji Ishihara (Flow Techno Service) / Tetsuo Shimizu (HORIBA STEC)

Discussion: None

Vote: 7 in favor and 0 opposed. Motion passed.

Attachment: 01_JA_G+F_Previous_Mtg_Minutes_160318
3 SEMI Staff Report


Attachment: 02_SEMI_Staff_Report_160318

4 Liaison Reports

4.1 Facilities North America TC Chapter

Naoko Tejima reported for the Facilities North America TC Chapter. This report included Leadership, Current Committee Organization, Meeting Information, Task Force Reports and Contact Information.

Attachment: 03_NA_F+G_Liaison_Report_March_2016_160318

4.2 Gases North America TC Chapter

Naoko Tejima reported for the Gases North America TC Chapter. This report included Leadership, Current Committee Organization, Meeting Information, Task Force Reports, and Contact Information.

Attachment: 03_NA_F+G_Liaison_Report_March_2016_160318

4.3 Gases Europe TC Chapter Report

No report was provided.

4.4 Facilities Korea TC Chapter Report

No report was provided.

[Gases Japan TC Chapter Part]

5 Subcommittee and Task Force Reports

5.1 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.

5.2 5-year-review Task Force

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

5.3 Live Gas Flow Rate Task Force

Seiji Ishihara reported for the Live Gas Flow Rate Task Force. The Task Force met earlier in the day. Of note:

- Discussed about the “Round-robin test” to review the problems of calibrating mass flow rate for Live Gases at each MFC suppliers.
  - Decided which companies/organizations will conduct it as first run.
  - Will conduct the round-robin test and report the results by the end of the year.
  - Will submit needs/requirement for Standard on Live Gas Flow Rate calibration based on above result.

6 Old Business

6.1 Previous Meeting Action Items

Naoko Tejima reviewed the previous meeting action items.

Table 8 Previous Meeting Actions Items

None.

7 New Business

None.
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.

Table 9 Previous Meeting Actions Items
None.

10 New Business
None.

[Common Part 2]
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, June 24, 2016, 15:00-17:00, SEMI Japan, Tokyo, Japan.
The next meeting of the Facilities Japan TC Chapter is scheduled for Friday, June 24, 2016, 15:00-17:00, SEMI Japan, Tokyo, Japan.

13 Next Meeting and Adjournment
The next meeting is scheduled for June 24 at SEMI Japan, Tokyo, Japan. See http://www.semi.org/en/events for the current list of meeting schedules.
Having no further business, a motion was made to adjourn. Adjournment was at 17:00.
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>Hiromichi Enami (Hitachi High Technologies), Co-chairs</th>
<th>June **, 2016</th>
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<tr>
<td>Isao Suzuki (MKS Japan), Co-chairs</td>
<td>June **, 2016</td>
</tr>
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</table>

Table 10 Index of Available Attachments #1

<table>
<thead>
<tr>
<th>#</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>JA_G+F_Previous_Mtg_Minutes_160318</td>
</tr>
<tr>
<td>2</td>
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</tr>
<tr>
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</tr>
</tbody>
</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 [SEMI Staff Name] at the contact information above.