

## Korea Facilities Committee Meeting Summary and Minutes

January 30, 2013, 10:00 – 16:00  
#304, Conference Room (South), Coex, Seoul

### Next Committee Meeting

Wednesday, April 24, 2013, 14:00 – 17:00 <KST>  
SEMI Korea Office, Seoul

### Committee Announcements

None

### Table 1 Meeting Attendees

**Co-Chairs:** InSoo Cho (Shinsung ENG), Kwang Sun Kim (Korea University of Technology and Education, KUT)

**SEMI Staff:** Natalie Shim

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Hanyang University	Ahn	Kang-Ho	ETRI (guest)	Hahn	Daehee
Shinsung ENG	Cho	InSoo	KUT	Kim	Kwang Sun
MASTER IMAGE 3D	Cho	SungHo	Dankook University	Kim	YoungSeoup
Pall Korea	Ha	Brian			

### Table 2 Leadership Changes

None

### Table 3 Ballot Results

**Passed** ballots and line items will be submitted to the ISC Audit & Review Subcommittee for procedural review.

**Failed** ballots and line items were returned to the originating task forces for re-work and re-balloting.

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
4771C	New Standard, Test Method for Equipment Fan Filter Unit Particle Removal	<b>Passed</b> with Editorial Changes
4922B	New Standard, Guide for Equipment Fan Filter Unit (EFFU)	<b>Failed</b> and rework

### Table 4 Authorized Ballots

<i>#</i>	<i>When</i>	<i>SC/TF/WG</i>	<i>Details</i>
4922C	C2 or C3	Equipment Cleaness TF	New Standard, Guide for Equipment Fan Filter Unit (EFFU)

### Table 5 Authorized Activities

None

### Table 6 New Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
KR20130130-1	Natalie Shim	Forward information about 5517, 5518, and 5519 activities to Brian Ha
KR20130130-2	Natalie Shim	Include the link of BIM TF Google document page at the minutes
KR20130131-3	Natalie Shim	Report Europe Chemical Committee's liaison report from the next meeting
KR20130131-4	InSoo Cho	Send a reminder to reject voter for 4922B to get feedback

**Table 7 Previous Meeting Actions Items**

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
KR20121019-1	Natalie Shim	Check Kangho Ahn's membership status _ Updated member information (completed)
KR20121019-2	Natalie Shim	Update NA BIM TF Fall meeting result to the members _ No meeting at the NA Fall meetings (completed)

## 1 Welcome, Reminders, and Introductions

Insoo Cho (Shinsung ENG) called the meeting to order at 14:00. After welcoming all attendees, a round of introductions followed. The SEMI meeting reminders on membership requirements, antitrust, patentable technology, and meeting guidelines were then presented and explained.

**Attachment:** 01, SEMI Standards Required Meeting Elements

## 2 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting and approved it.

**Motion:** Approve the previous minutes with editorial changes

**By / 2<sup>nd</sup>:** Kang-Ho Ahn (Hanyang University)/ YoungSeoup Kim (Dankook University)

**Discussion:** None

**Vote:** 4-0, motion carried

**Attachment:** 02, Previous Meeting Minutes

## 3 Liaison Reports

### 3.1 Japan Gas & Facilities Committee

James Amano (SEMI) presented the Japan Gas & Facilities committee liaison report. Of note:

- Meeting Information
  - Last Meeting: December 5, 2012 in conjunction with SEMICON Japan at Makuhari Messe, Chiba, Japan
  - Next Meeting: March 22, 2013 during Japan Spring Meetings 2013 at SEMI Japan, Tokyo
- Ballot Review Result
  - Doc.#5490, Reapproval of SEMI F102-0306, Guide for Selecting Specifications for Dimension of Components for Surface Mount Gas Distribution System **Passed** committee review.
- Ballot Plan
  - None
- Task Force Reports
  - F1 Revision Task Force
    - No activity
  - Gas Panel Task Force
    - No activity
  - 5-year-review TF

- Doc.#5490, reapproval of SEMI F102-0306 passed committee review and forwarded to the ISC A&R SC for procedural review.

**Attachment:** 03, Japan G+F Committee Liaison Report

### 3.2 North America Facilities & Gases Committee

James Amano (SEMI) presented the NA Facilities & Gases Committee liaison report. Of note:

- Meeting information
  - Last Meeting: October 30, 2012 at SEMI HQ in San Jose, CA
  - Next meeting: April 2, 2013 at SEMI HQ in San Jose, CA
- Ballot Review Result
  - None
- Ballot Plan
  - None
- Task Force Reports (Facilities related only)
  - F47 Revision Task Force
    - No update
  - F51 Revision Task Force
    - Drafting doc.#5080, Revision of SEMI F51-0200 - Guide for Elastometric Sealing Technology
  - Building Information Modeling (BIM) for Semiconductor Capital Equipment TF
    - A 3-D model will work with multiple different software applications and needs to reflect true dimensions of the semiconductor fabrication tool with its location and interface point.
    - Drafting doc.#5155, Guide for Building Information Modeling (BIM) for Semiconductor Capital Equipment
    - NA BIM task force webpage: <https://sites.google.com/a/semi.org/bim-tf/>

\* Since there is no gas committee related activities in Korea, details are not included in this minutes but the information can be found at the attachment 04.

**Attachment:** 04, NA G+F Committee Liaison Report

### 3.3 SEMI Staff Report

Natalie Shim gave the SEMI Standards Staff Report. The key items were as follows:

- 2013 Global Calendar of Events (through July)
  - European 3D TSV Summit (January 22-23, Grenoble, France)
  - SEMICON/LED Korea 2013 (January 30-February 1, Seoul)
  - ISS Europe 2013 [Industry Strategy Symposium] (February 24-16, Milan, Italy)
  - 7<sup>th</sup> PV Fab Manager Forum (March 10-12, Berlin, Germany)
  - SEMICON/FPD/SOLARCON China (March 19-21, Shanghai)

- SEMICON Singapore (May 7-9, Marina Bay Sands)
- SEMICON Russia (June 5-6, Moscow)
- Intersolar Europe (June 19-21, Munich, Germany)
- SEMICON West (July 9-11, San Francisco, California)
- Technical Ballot Critical Dates for Korea Spring 2013 Meetings
  - Cycle 2: due February 4 / February 18 – March 20
- Standards Publication report
  - September 2012 Cycle
    - New Standards-10, Revised Standards-18, Reapproved Standards-7, Withdrawn Standards-0, Total in portfolio-860 (Includes 92 Inactive Standards).
- New Standards Ballot and Membership Systems. Key changes:
  - User interface
  - Log-in
    - One-time log-in per session to vote on ballots
    - Same log-in for SEMI Members
  - Functionality
    - Retrieve and edit submitted votes for current cycle
    - Text field and attachment option for each ballot or line item
  - Integration
    - Linked to new membership application/ profile management
    - Access to other SEMI products & services
    - Total Global Program Members: 4,367
    - The largest committee by Global TC members: PV
- Revised SEMI Regulations and Procedure Guide
  - Major Items
    - Global Technical Committee structure
    - Formation and Disbandment of Global Technical Committee
    - Formation and Disbandment of Technical Committee Chapter under existing Global Technical Committee
    - Elimination of Regional Standards
    - IP Section (section 15)
    - Redefine Supplementary Materials
  - Future Tasks
    - Virtual Meetings
    - Addition of a new official material similar to an Appendix published separately with a different file format
    - Official Liaisons with other SDOs

- Redefine Interest Categories of Technical Committee Members -- currently based on IC, include PV/FPD/MEMS
- Inclusion of regulatory requirement in SEMI Standards / Safety Guidelines

**Attachment:** 05, SEMI Standards Staff Report

#### 4 Ballot Review

**Passed** ballots and line items will be submitted to the ISC Audit & Review Subcommittee for procedural review.

**Failed** ballots and line items were returned to the originating task forces for re-work and re-balloting.

NOTE: Committee adjudication on Cycle 7 ballots are detailed in the Audits & Review (A&R) Subcommittee Forms for procedural review. These A&R forms are available as attachments to these minutes. The attachment number for each document is provided below the summary tables.

##### 4.1 Cycle 7 Ballots

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
4771C	New Standard, Test Method for Equipment Fan Filter Unit Particle Removal	<b>Passed</b> with Editorial Changes
4922B	New Standard, Guide for Equipment Fan Filter Unit (EFFU)	<b>Failed</b> , to be reballoted

**Attachment:** 06, A&R\_4771C\_PASSED

07, A&R\_4922B\_FAILED

#### 5 Subcommittee & Task Force Reports

##### 5.1 Equipment Cleanness Task Force

InSoo Cho explained to the members that he reviewed 4922B ballot result. He wants to fail the document and rework it and Committee approved it. The details can be found at the attachment titled as 07, A&R\_4922B\_FAILED. On the other hand, Kang Ho Ahn reported that 4771C didn't receive any rejects so that he requested committee to pass the ballot. The committee also approved it.

**Motion:** Approve 4922C at cycle 2 or 3, 2013

**By / 2<sup>nd</sup>:** InSoo Cho (Sinsung eng)/ Kang Ho Ahn (Hanyang University)

**Discussion:** None

**Vote:** 4-0, motion carried

#### 6 Old Business

##### 6.1 Reviewing NA BIM task force activities

Since there is no NA BIM task force meeting during NA Fall meetings, the committee members reviewed the task force's previous meeting minutes and other information on the task force webpage at Google instead. The committee will wait next task force meeting result and will take proper action.

#### 7 New Business

None

## 8 Action Item Review

### 8.1 Open Action Items

None

### 8.2 New Action Items

Natalie Shim reviewed the new action item. It can be found in the New Action Items table at the beginning of the minutes.

## 9 Next Meeting and Adjournment

The next meeting of the Korea Facilities committee is scheduled for April 24 at SEMI Korea, Seoul.

Respectfully submitted by:

Natalie Shim  
Standards Coordinator  
SEMI Korea  
Phone: 82.2.531.7808  
Email: [eshim@semi.org](mailto:eshim@semi.org)

Minutes approved by:

InSoo Cho (Shinsung ENG), Co-chair	<Date approved>
Kwang Sun Kim (KUT), Co-chair	<Date approved>

**Table 8 Index of Available Attachments #1**

#	Title	#	Title
01	SEMI Standards Required Meeting Elements	05	SEMI Standards staff report
02	Previous meeting minutes	06	A&R_4771C_PASSED
03	Japan G+F committee liaison report	07	A&R_4922B_FAILED
04	NA G+F committee liaison report		

#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](http://www.semi.org). For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.