

Japan PV Committee Japan PV Materials Committee Meeting Summary and Minutes

Japan Standards Summer Meetings 2013
July 23, 2013 13:00-15:00
Conference Room1 JPR Bldg. SEMI Japan Office, Tokyo, Japan

Next Committee Meeting

October 24, 2013, 13:30-15:00 Japan Standard Time
Japan Standards Fall Meetings 2013, Tokyo, Japan

Committee Announcements (optional)

None

Table 1 Meeting Attendees

PV Committee Co-Chairs: Masaaki Yamamichi (AIST), Hiromu Takatsuka (Mitsubishi Heavy Industries), Kazuhiko Kashima (GlobalWafers Japan), Terry Asakawa (Tokyo Electron)

PV Materials Committee Co-Chairs: Takashi Ishihara (Mitsubishi Electric), Kazuhiko Kashima (GlobalWafers Japan)

SEMI Staff: Hirofumi Kanno

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
AIST	Yamamichi	Masaaki	Mitsubishi Electric	Ishihara	Takashi
AIST	Fukuda	Tetsuo	GlobalWafers Japan	Kashima	Kazuhiko
Nisshinbo Mechatronics	Ishikawa	Makoto	Tokuyama	Mabuchi	Toshiro

Table 2 Leadership Changes

None

Table 3 Ballot Results

None

Table 4 Authorized Ballots

None

Table 5 Authorized Activities

None

Table 6 New Action Items (or move to Section 8, Action Item Review)

None

Table 7 Previous Meeting Actions Items (or move to Section 8, Action item Review)

None

1 Welcome, Reminders, and Introductions

Masaaki Yamamichi (AIST) called the meeting to order at 13:00. 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 committee reviewed the minutes of the previous meeting.

Motion: Approve the minutes of the previous meeting
By / 2nd: Tetsuo Fukuda (AIST) / Takashi Ishihara (Mitsubishi Electric)
Discussion: None
Vote: 5:0

3 Liaison Reports

3.1 North America PV Materials Committee

Hirofumi Kanno (SEMI) reported for the North America PV Materials Committee. Of note:

- Meeting Information:
 - Last meeting: July 9-10, 2013, Intersolar North America Meetings, Marriott Marquis, San Francisco, CA
 - Next meeting: October 30, 2013, North America Fall Standards Meetings, SEMI HQ, San Jose, CA
 - ◇ Check www.semi.org/standards for the latest update

Attachment: 01, NA PV Mats C07182013

3.2 Europe PV Materials Committee

Hirofumi Kanno (SEMI) reported for the Europe PV Materials Committee. Of note:

- Committee Leadership:
 - Co-Chair: Hubert Aulich – PV Crystalox Solar
 - Co-Chair: Peter Wagner
- Meeting Information
 - Last meetings: June 20, 2013, Intersolar Europe, Munich, Germany
 - Next meeting: Oct 7, 2013, SEMICON Europa, Dresden, Germany
- Ballot Results Summary from March meeting
 - Doc 5434, New Standard: Test Method for In-Line Measurement of Lateral Dimensional Characteristics of Square and Pseudo-Square PV Silicon Wafers – PASSED
 - Doc 5531, Revision to PV40, Test Method for In-Line Measurement of Saw Marks on PV Silicon Wafers by a Light Sectioning Technique Using Multiple Line Segments – PASSED
 - Doc 5502, Revision to PV39, Test Method for In-Line Measurement of Cracks in PV Silicon Wafers by Dark Field Infrared Imaging – PASSED
 - Doc 5530, New Standard: Specification for Orientation Fiducial Marks for PV Silicon Wafers - PASSED

Attachment: 02, EU PV Materials Liaison Report 20130704

3.3 Taiwan PV Committee

Hirofumi Kanno (SEMI) reported for the Taiwan PV Committee. Of note:

- Committee Leadership
- Co-chairs: B.N. Chuang (CMS-ITRI), J.S.Chen (TeraSolar) and Ray Sung(UL Taiwan)
- Meeting Information:
 - Last meeting: May 23, 2013, SEMI Office, Hsinchu
 - Next meeting: July 25, 2013, SEMI Office, Hsinchu
-

Attachment: XX,

3.4 China PV Committee

Hirofumi Kanno (SEMI) reported for the China PV Committee. Of note:

- Committee Leadership:
 - Co-chair: Guangchun Zhang (Canadiansolar)
 - Co-chair: Jun Liu (China Electronics Standardization Institute)
- Meeting Information:
- Last meeting: June 28, 2013, China Summer Standards Meeting 2013, Yangzhou, China
- Next meeting: August 12, 2013, China Autumn Standards Meeting 2013, Hohhot, China
- Ballot for Cycle 5–2013:
 - Doc. 5428, New Standard: Specification for Impurities in Polyethylene Packaging Materials for Polysilicon Feedstock
 - Doc. 5564, New Standard: Test Method for the Measurement of Chlorine in Silicon by Ion Chromatography
 - Doc. 5382, New Standard: Specification for Quasi-monocrystalline Silicon Wafers used in Photovoltaic Solar Cells
 - New TFOF: PV Power Station Equipment Integrated Performance Task Force

Attachment: 04, CN PV Committee 0701

3.5 SEMI Staff Report

Hirofumi Kanno (SEMI) gave the SEMI Staff Report. Of note:

- Global SEMI Events
- Global Standards Meetings Schedule
- Ballot Critical Dates
- Publication Update
- ISC A&R SC Summary May and June 2013
- Preparation for SEMICON Japan 2013
- Contact Information

Committee Discussion: The attendees agreed not to hold the meeting of the Japan PV Automation Committee in conjunction with SEMICON Japan 2013.

Attachment: 05, SEMI Staff Report 2013 July R0.2a

Committee Discussion: Attendees are going to have a meeting for Cycle 5 ballot review. Tetsuo Fukuda (AIST) and SEMI Staff will announce the date and time for the meeting later. SEMI Staff will ask for the participation of the Japan PV and PV Materials Committees TC members. The Japan PV Materials Task Force is going to have a Task Force meeting on the same day.

The attendees agreed not to hold the meeting of the Japan PV and Japan PV Materials Committee joint meeting in conjunction with SEIMCON Japan 2013.

4 [Japan PV Committee] Subcommittee & Task Force Reports

None

5 [Japan PV Materials Committee] Subcommittee & Task Force Reports

5.1 Japan PV Materials Task Force

Tetsuo Fukuda (AIST) reported for the Japan PV Materials Task Force. This report contained information on Doc.5417 and Doc. 5532 developments.

6 Old Business

None

7 New Business

None

8 Action Item Review

8.1 *Open Action Items*

None

8.2 *New Action Items*

None

9 Next Meeting and Adjournment

The next joint meeting of the Japan PV and Japan PV Materials committee is scheduled for October 24, 2013, Japan Standards Fall Meetings 2013 in SEMI Japan office, Tokyo, Japan.

Respectfully submitted by:
Hirofumi Kanno
Manager, Standards & EHS
SEMI Japan
Phone: +81.3.3222.5862
Email: hkanno@semi.org

Minutes approved by:

<Name> (<Company>), Co-chair	<Date approved>
<Name> (<Company>), Co-chair	<Date approved>

Table 8 Index of Available Attachments #1

#	<i>Title</i>	#	<i>Title</i>
01	NA PV Mats C07182013		
02	EU PV Materials Liaison Report 20130704		
03	Taiwan PV_Liaison_20130619		
04	CN PV Committee 0701		
05	SEMI Staff Report 2013 July R0.2a		

#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.