

Japan TC Chapter of PV Global Technical Committee Japan TC Chapter of PV Materials Global Technical Committee Joint Meeting Summary and Minutes

Japan Standards Fall 2014 Meetings
Thursday, September 11, 2014, 1:30 p.m. – 5:00 p.m.
SEMI Japan office, Tokyo, Japan

Next Committee Meeting

Wednesday, December 10, 2014, 1:30 p.m. – 5:00 p.m [Japan Standard Time]
Japan Standards Winter 2014 Meetings, Tokyo, Japan

Committee Announcements (optional)

None

Table 1 Meeting Attendees

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

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

SEMI Staff: Chie Yanagisawa

Attendee: 5 + **SEMI:** 1

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
AIST	Yamamichi	Masaaki	Hitachi Kokusai Electric	Matsuda	Mitsuhiro
AIST	Fukuda	Tetsuo	Mitsubishi Electric	Ishihara	Takashi
Fuji Film	Miyake	Kiyoteru	SEMI Japan	Yanagisawa	Chie

** alphabetical order by company name*

Japan TC Chapter of PV Global Technical Committee

Table 2 Leadership Changes

None

Table 3 Ballot Results (or move to Section 4, Ballot Review)

None

Table 4 Authorized Ballots (or move to Section 7, New Business)

None

Table 5 Authorized Activities (or move to Section 7, New Business)

None

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

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
20140911-1	Masaaki Yamamichi (AIST)	To prepare the explanatory materials for the survey of the merger of PV GTC and PV Materials GTC to the TC members in Japan
20140911-2	Chie Yanagisawa (SEMI Japan)	To send out the survey of the merger of PV GTC and PV Materials GTC to the TC members in Japan and to get feedback from them by the two weeks after the distribution.

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

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
20140704-1	Chie Yanagisawa (SEMI Japan)	To get the draft charter of the PV System Technical Committee from SEMI China and forward it to the co-chairs. => CLOSE

Japan TC Chapter of PV Materials Global Technical Committee

Table 8 Leadership Changes

None

Table 9 Ballot Results (or move to Section 4, Ballot Review)

None

Table 10 Authorized Ballots (or move to Section 7, New Business)

None

Table 11 Authorized Activities (or move to Section 7, New Business)

None

Table 12 New Action Items (or move to Section 8, Action Item Review)

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
20140911-3	Chie Yanagisawa (SEMI Japan)	To ask the patent holder, NPC, for an LOA for these two potentially material patented technology.

Table 13 Previous Meeting Actions Items (or move to Section 8, Action item Review)

None

1 Welcome, Reminders, and Introductions

Masaaki Yamamichi (AIST), co-chair, called the meeting to order at 1:30 p.m. 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 joint meeting.

Motion: To approve with modification to the section of Ballot Review.

By / 2nd: Takashi Ishihara (Mitsubishi Electric) / Tetsuo Fukuda (AIST)

Discussion: None

Vote: 3 in favor and 0 opposed. Motion passed.

3 Liaison Reports

3.1 *China PV TC Chapter*

Chie Yanagisawa (SEMI Japan) reported there was no report, since there has been no meeting of China PV TC Chapter after the last joint meeting of Japan PV TC Chapter and Japan PV Materials TC Chapter on July 4, 2014.

3.2 *Europe PV Materials TC Chapter*

Chie Yanagisawa (SEMI Japan) reported for the Europe PV Materials TC Chapter as attached.

Attachment: [01_EU_PV-Materials_Liaison Report June 26, 2014](#)

3.3 *North America PV Materials TC Chapter*

Chie Yanagisawa (SEMI Japan) reported for the North America PV Materials TC Chapter as attached.

Attachment: [02_NA Liaison Report PV Materials 20140804](#)

3.4 *Taiwan Photovoltaic TC Chapter*

Chie Yanagisawa (SEMI Japan) reported for the Taiwan Photovoltaic TC Chapter as attached.

Attachment: [03_Taiwan PV Standard Committee Liaison Report Sep 2014](#)

3.5 *SEMI Staff Report*

Chie Yanagisawa (SEMI Japan) gave the SEMI Staff Report as attached. And she added the explanation of the reason why the proposal of PV System Technical Committee was not approved at the International Standards Committee meeting in July, 2014.

Attachment: [04_SEMI Staff Report 2014 September_R0.2](#)

Japan PV TC Chapter

4 Ballot Review

None

5 Subcommittee & Task Force Reports

None

6 Old Business

The discussion was made about the future of both the Japan PV TC Chapter and the Japan PV Materials TC Chapter:

- The Japan PV TC Chapter had an intention to propose that the Japan PV TC Chapter would continue existing while the Japan PV Materials TC Chapter would discontinue existing
 - Under the condition that the PV Materials Global Technical Committee (GTC) could be merged into the PV Global Technical Committee (GTC).
 - The Japan TC Chapter of the merged PV GTC could watch the PV related activities in the other regions
- The Japan TC Chapters of both PV GTC and PV Materials GTC would distribute a survey of the merger of PV GTC and PV Materials GTC to the TC members in Japan and get feedback from them.
- The co-chairs of Japan TC Chapters of both PV GTC and PV Materials GTC would continue to discuss the issue with the feedback.

Action Item 1: Masaaki Yamamichi to prepare the explanatory materials for the survey of the merger of PV GTC and PV Materials GTC to the TC members in Japan.

Action Item 2: Chie Yanagisawa (SEMI Japan) to send out the survey of the merger of PV GTC and PV Materials GTC to the TC members in Japan and to get feedback from them by the two weeks after the distribution.

7 New Business

None

8 Action Item Review

8.1 *Open Action Items*

There is no open action item.

8.2 *New Action Items*

Chie Yanagisawa (SEMI Japan) reviewed the new action items. These can be found in the New Action Items table at the beginning of these minutes.

Japan PV Materials TC Chapter

9 Ballot Review

9.1 Document #5532, NEW STANDARD: TEST METHOD FOR MEASUREMENT OF CRACKS IN PV SILICON WAFERS IN PV MODULES BY LASER SCANNING

Ballot #5532: New Standard “Test Method for Measurement of Cracks in PV Silicon Wafers in PV Modules by Laser Scanning” was adjudicated at the Japan TC Chapter meeting of PV Materials Global Technical Committee held on July 4. The TC Chapter incorrectly assessed this section and checked the box “Potentially material patented technology or copyrighted items are known but a Letter of Assurance (LOA) or copyright release for such material has been obtained or presented to the committee.”.

It became necessary to perform IP assessment defined in the Regulations §15.3.2 again because the owner of IP known at the time of July 4 meeting reported additional IPs of potential relevance upon submission of LOA.

10 Subcommittee & Task Force Reports

10.1 Japan PV Materials Task Force

Tetsuo Fukuda (AIST), co-leader, reported for the PV Materials Task Force as attached.

[Attachment: 05_14-0911 PV TF Report \(revised\)](#)

11 Old Business

None

12 New Business

12.1 Review the patented technologies which may be relevant to Doc. 5532

The TC Chapter assessed as follows.

- JP5015341B and JP2014041095A are PMPT for Ballot #5532. The TC Chapter determined on technical grounds that use of the PMPT is justified for Ballot #5532. So, the TC Chapter shall direct the responsible Standards staff to ask the patent holder for an LOA.

Action Item 3: Chie Yanagisawa (SEMI Japan) to ask the patent holder, NPC, for an LOA for these two potentially material patented technology.

13 Action Item Review

13.1 *Open Action Items*

There is no open action item.

13.2 *New Action Items*

Chie Yanagisawa (SEMI Japan) reviewed the new action items. These can be found in the New Action Items table at the beginning of these minutes.

14 Next Meeting and Adjournment

The next joint meeting of the Japan PV TC Chapter and the Japan PV Materials TC Chapter is scheduled for Wednesday, December 10, 2014 at Japan Standards Winter 2014 Meetings in SEMI Japan office, Tokyo.

Having no further business, a motion was made by Takashi Ishihara, co-chair of PV Materials TC, to adjourn the joint meeting of the Japan PV TC Chapter and the Japan PV Materials TC Chapter at SEMI Japan office. The meeting unanimously adjourned at 4 p.m.

Respectfully submitted by:
Chie Yanagisawa
Senior Standard Coordinator
SEMI Japan
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Minutes approved by:

Masaaki Yamamichi (AIST), Co-chair / PV Committee	December 10, 2014
Takashi Ishihara (Mitsubishi Electric), Co-chair / PV Materials Committee	December 10, 2014
Tetsuo Fukuda (AIST) / PV Materials Committee	December 10, 2014

Table 14 Index of Available Attachments #1

#	<i>Title</i>	#	<i>Title</i>
01	EU_PV-Materials_Liaison Report June 26, 2014	04	SEMI Staff Report 2014 September_R0.2
02	NA Liaison Report PV Materials 20140804	05	14-0911 PV TF Report (revised)
03	Taiwan PV Standard Committee Liaison Report Sep 2014	06	

#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.