



PV and PV Materials Japan Joint TC Chapter Meeting Summary and Minutes (Draft)

Japan Standards Spring 2019 Meetings
April 19, 2019, Begin [13:00] – End [16:00]
SEMI Japan, Tokyo, Japan

TC Chapter Announcements

Next TC Chapter Meeting

Japan Standards Fall 2019 Meetings

November 5, 2018, Begin 13:30 –End 16:00

SEMI Japan, Tokyo, Japan

Table 1 Meeting Attendees

Italics indicate virtual participants

<PV Japan TC Chapter> Co-Chairs: Kazuhiko Kashima (Consultant), Masaaki Yamamichi (RTS Corporation)

<PV Materials Japan TC Chapter> Co-Chairs: Kazuhiko Kashima (Consultant), Takashi Ishihara (Mitsubishi Electric), Tetsuo Fukuda (Nihon University)

SEMI Staff: Mizue Iwamura

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Nihon University	Fukuda	Tetsuo			
Consultant	Kashima	Kazuhiko			
Mitsubishi Electric	Ishihara	Takashi			
RTS Corporation	Yamamichi	Masaaki	SEMI Japan	Iwamura	Mizue

Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
<PV Japan TC Chapter>		
None.		
<PV Materials Japan TC Chapter>		
None.		

Table 3 Committee Structure Changes

<i>Previous WG/TF/SC Name</i>	<i>New WG/TF/SC Name or Status Change</i>
<PV Japan TC Chapter>	
None.	
<PV Materials Japan TC Chapter>	
None.	



Table 3 Committee Structure Changes

<i>Previous WG/TF/SC Name</i>	<i>New WG/TF/SC Name or Status Change</i>
None.	

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
<i><PV Japan TC Chapter></i>		
None.		
<i><PV Materials Japan TC Chapter></i>		
None.		

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

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

Table 5 Activities Approved by the GCS between meetings of the TC Chapter

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
<i><PV Japan TC Chapter></i>			
None.			
<i><PV Materials Japan TC Chapter></i>			
None.			

Table 6 Authorized Activities

Listing of all revised or new SNARF(s) approved by the Originating TC Chapter.

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
<i><PV Japan TC Chapter></i>			
None.			
<i><PV Materials Japan TC Chapter></i>			
None.			

#1 SNARFs and TFOFs are available for review on the SEMI Web site at:

<http://downloads.semi.org/web/wstdsba1.nsf/TFOFSNARE>

Table 7 Authorized Ballots

#	When	TF	Details
<PV Japan TC Chapter>			
None.			
<PV Materials Japan TC Chapter>			
None.			

Table 8 SNARF(s) Granted a One-Year Extension

#	TF	Title	Expiration Date
<PV Japan TC Chapter>			
None.			
<PV Materials Japan TC Chapter>			
None.			

Table 9 SNARF(s) Abolished

#	TF	Title
<PV Japan TC Chapter>		
None.		
<PV Materials Japan TC Chapter>		
None.		

Table 10 Standard(s) to receive Inactive Status

Standard Designation	Title
<PV Japan TC Chapter>	
None.	
<PV Materials Japan TC Chapter>	
None.	

Table 11 New Action Items

Item #	Assigned to	Details
None.		

Table 12 Previous Meeting Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
None.		

1 Welcome, Reminders, and Introductions

Masaaki Yamamichi (RTS Corporation) called the meeting to order at 13:45. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 02-00_20181109_Japan_PV+PVMate_JointMeetingMinutes_r2

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion: Approve the previous meeting minutes as written.

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

Discussion: None.

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

Attachment:

3 Liaison Reports

3.1 PV and PV Materials China Joint TC Chapter Meeting

Mizue Iwamura (SEMI Japan) reported for the PV and PV Materials China Joint TC Chapter Meeting as attached.

Attachment: 03-01_China_PVPVM_November2018

3.2 PV Europe TC Chapter

Mizue Iwamura (SEMI Japan) reported for the PV Europe TC Chapter Meeting as attached.

Attachment: 03-02_EU PV Materials Liaison Report March 2019 v1

3.3 PV Materials North America TC Chapter

None.

3.4 PV Taiwan TC Chapter

Mizue Iwamura (SEMI Japan) reported for the PV Taiwan TC Chapter as attached.

Attachment: 03-04_20190418_TW PV Liaison Report V1



3.5 IEC TC82 Update

Attachment: 03-05_TC82 for SEMI apr 19

3.6 SEMI Staff Report

Mizue Iwamura (SEMI Japan) gave the SEMI Staff Report as attached.

Attachment: 03-06_SEMI Staff Report 2019_0409_v1

4 Ballot Review

NOTE 1: TC Chapter adjudication on ballots reviewed is detailed in the Audits & Review (A&R) Subcommittee Forms for procedural review. The A&R forms are available as attachments to these minutes. The attachment number for each balloted document is provided under each ballot review section below.

4.1 PV Materials Japan TC Chapter

None.

5 Subcommittee and Task Force Reports

5.1 PV Materials Japan TC Chapter

5.1.1 Japan PV Materials Task Force

None.

6 Old Business

None.

7 New Business

7.1 Reapproval of PV60-0115: Test Method for Measurement of Cracks in Photovoltaic (PV) Silicon Wafers in PV Modules by Laser Scanning

To consider Reapproval of PV60-0115: Test Method for Measurement of Cracks in Photovoltaic (PV) Silicon Wafers in PV Modules by Laser Scanning at the next PV and PV Materials Japan Joint TC Chapter meeting.

Next Meeting and Adjournment

The next meeting is scheduled for 13:30-16:00, November 5, 2019 at SEMI Japan. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: 15:30



Respectfully submitted by:

Mizue Iwamura

Coordinator

SEMI Japan

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Minutes tentatively approved by:

Tetsuo Fukuda (Nihon University), Co-chair	May 22, 2019
Takashi Ishihara (Mitsubishi Electric), Co-chair	May 22, 2019

Table 13 Index of Available Attachments#1

<i>Title</i>	<i>Title</i>
01-02_SEMI Standards Required Elements_August2018_E+J	03-06_SEMI Staff Report 2019_0409_v1
02-00_20181109_Japan_PV+PVMate_JointMeetingMinutes_r2	
03-01_China_PVPVM_November2018	
03-02_EU PV Materials Liaison Report March 2019 v1	
03-04_20190418_TW PV Liaison Report V1	
03-05_TC82 for SEMI apr 19	

#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.