



# PV Japan TC Chapter / PV Materials Japan TC Chapter

## Joint Meeting Summary and Minutes

Japan Standards Spring 2017 Meetings

Friday, April 7, 2017, 13:30-17:00

SEMI Japan office, Tokyo, Japan

TC Chapter Announcements

Next TC Chapter Meeting

Friday, September 15, 13:30 – 17:00

SEMI Japan office, Tokyo, Japan

### Table 1 Meeting Attendees

*Italics indicate virtual participants*

**PV Committee/Co-Chairs:** Kazuhiko Kashima (Tokyo Institute of Technology), Masaaki Yamamichi (RTS Corporation)

**PV Materials Committee/Co-Chairs:** Kazuhiko Kashima (Tokyo Institute of Technology), Takashi Ishihara (Mitsubishi Electric), Tetsuo Fukuda (AIST)

**SEMI Staff:** Chie Yanagisawa (SEMI Japan)

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
AIST	Fukuda	Tetsuo	RTS Corporation	Yamamichi	Masaaki
AIST	Tanahashi	Tadanori			
Mitsubishi Electric	Ishihara	Takashi	SEMI Japan	Yanagisawa	Chie

### Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
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>
6016	New Standard: Test Method for Exposure Durability of PV Cells to Acetic Acid Vapor	Passed as balloted Superclean

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

Note 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 prior to the Originating TC Chapter meeting**

#	Type	SC/TF/WG	Details
None			

**Table 6 Authorized Activities**

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

#	SC/TF/WG	Details
None		

Note 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
None			

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

#	TF	Title	Expiration Date
None			

**Table 9 SNARF(s) Abolished**

#	TF	Title
None		

**Table 10 Standard(s) to receive Inactive Status**

Standard Designation	Title
None	

**Table 11 New Action Items**

Item #	Assigned to	Details
None		

**Table 12 Previous Meeting Action Items**

Item #	Assigned to	Details
None		

## 1 Welcome, Reminders, and Introductions

Masaaki Yamamichi (RTS Corporation) called the meeting to order at 13:30. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

**Attachment:** 01\_Required\_Elements\_Reg\_20150327\_E+J

## 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 / 2<sup>nd</sup>:** Takashi Ishihara (Mitsubishi Electric) / Tetsuo Fukuda (AIST)  
**Discussion:** None  
**Vote:** 3 in favor and 0 opposed. Motion passed.

## 3 Liaison Reports

### 3.1 *PV China TC Chapter and PV Materials China TC Chapter joint*

No update.

### 3.2 *PV Europe TC Chapter*

No update.

### 3.3 *PV Materials North America TC Chapter*

No update

### 3.4 *PV Taiwan TC Chapter*

Chie Yanagisawa (SEMI Japan) reported for the PV Taiwan TC Chapter. Of note:

- Ballot Result
  - Doc 5598A: New Standard: Test Method for Durability of Low Light Intensity Organic Photovoltaic (OPV) and Dye Sensitized Solar Cell (DSSC)
    - Published as SEMI PV76-0117
- 5 year Standards need to be Revision
  - SEMI PV23-1011: Test Method for Mechanical Vibration of Crystalline Silicon Photovoltaic (PV) Modules in Shipping Environment
    - Task Force: Vibration Test Method Task Force
- Study two new topics in the next TC meeting
  - How to track Solar Cell performance
  - Drone monitor system

**Attachment:** 02\_Taiwan PV Standard Committee Liaison Report\_March 2017\_r1



### 3.5 IEC TC82 Update

Since The attendees agreed to periodically share updates on PV standardization activities at the IEC TC82 and SEMI Standards 1<sup>st</sup> joint meeting held on December 15, 2016, “IEC TC 82 Update” is on the agenda of PV Japan TC Chapter and PV Materials Japan TC Chapter joint meeting.

The attached material provided by IEC TC82 was reviewed at the committee.

The committee discussed what kind of collaboration could be good for both IEC TC82 and SEMI Standards PV/PV Materials TCs in response to the IEC TC82 and SEMI Standards 1<sup>st</sup> joint meeting held on December 15, 2016. Considering the result of the 2<sup>nd</sup> joint meeting to be held on April 18, 2017 in China, further discussion will be made among the GCS members or at the TC Chapter meetings in future.

**Attachment:** 03\_TC82 for SEMI 7apr17

### 3.6 SEMI Staff Report

Chie Yanagisawa (SEMI Japan) gave the SEMI Staff Report. Of note:

- SEMI Global 2017 Calendar of Events
- Global Standards Meeting Schedule
- 2017 Critical Dates for SEMI Standards Ballots
- SEMI Standards Publications
- Audit & Review Results

**Attachment:** 04\_SEMI Staff Report 20170406

## PV Japan TC Chapter

### 4 Ballot Review

None

### 5 Subcommittee and Task Force Reports

None

### 6 Old Business

None

### 7 New Business

None

## 8 Action Item Review

None

## PV Materials Japan TC Chapter

### 9 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.

#### 9.1 Document #6016, New Standard: Test Method for Exposure Durability of PV Cells to Acetic Acid Vapor

Since there is no reject vote or no comment, the ballot passed as balloted.

**Attachment:** 05\_6016\_BallotReviewSheet

### 10 Subcommittee and Task Force Reports

#### 10.1 *Japan PV Materials Task Force*

Tetsuo Fukuda (AIST) gave the report for Japan PV Materials Task Force as following.

- #6016: New Standard Draft Document (Test Method for Exposure Durability of PV Cells to Acetic Acid Vapor) passed as balloted as above.

### 11 Old Business

None

### 12 New Business

None

### 13 Next Meeting and Adjournment

The next meeting is scheduled for Friday, September 15, 2017 at SEMI Japan office. 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 <time [00:00]>.



Respectfully submitted by:

Chie Yanagisawa

Manager

SEMI Japan

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Minutes tentatively approved by:

Tetsuo Fukuda (AIST), Co-chair	June 21, 2017
Takashi Ishihara (Mitsubishi Electric), Co-chair	June 22, 2017

**Table 13 Index of Available Attachments<sup>#1</sup>**

<i>Title</i>	<i>Title</i>
01_Required_Elements_Reg_20150327_E+J	04_SEMI Staff Report 20170406
02_Taiwan PV Standard Committee Liaison Report_March 2017_r1	05_6016_BallotReviewSheet
03_TC82 for SEMI 7apr17	

#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.