



# PV Taiwan TC Chapter

## Meeting Summary and Minutes

Taiwan Winter Standards Meeting 2018

Wednesday, January 31, 2018, 11:00 – 14:00

Meeting Room 223, 16th Building, No. 321 Sec. 2 Kuang Fu Rd., Hsinchu, Taiwan

### TC Chapter Announcements

Next TC Chapter Meeting(Tentative)

May, 2018

Venue: Meeting Room 223, 16th Building, No. 321 Sec. 2 Kuang Fu Rd., Hsinchu, Taiwan

### Table 1 Meeting Attendees

**Co-Chairs:** B.N. Chuang (ITRI)

**SEMI Staff:** Dean Chang

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
ITRI	Wu	Teng-Chun	King Design	Lee	David
ITRI	Long	Mickey	NCUT	Peng	Cheng-Yu
ITRI	Hsu	Shu-Tsung			

### 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>
6071A	New Standard: Test Method for Polymer Foil dependent Discoloration of Silver Fingers on PV modules	<b>Passed</b> as balloted.
6296	Reapproval of SEMI PV23-1011, Test Method for Mechanical Vibration of Crystalline Silicon Photovoltaic (PV) Modules in Shipping Environment	<b>Passed</b> as balloted.
6299	Reapproval of SEMI PV38-0912, Test Method for Mechanical Vibration of c-Si PV cells in Shipping Environment	<b>Passed</b> as balloted.

#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**

#	Type	SC/TF/WG	Details
None			

**Table 6 Authorized Activities**

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

#	Type	SC/TF/WG	Details
None			

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

<http://downloads.semi.org/web/wstdsbal.nsf/TFOFSNARF>

**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
1	Dean Chang	Sent the A&R forms (Doc6071A, 6299, 6296) to Kevin for reviewed, and then uploaded to Lotus Notes.

**Table 12 Previous Meeting Action Items**

Item #	Assigned to	Details
1	Dean Chang	Process new SNARFs for five-year due standards: PV38-0912 and PV23-1011 and submit them for Cycle 8-17 vote

## 1 Welcome, Reminders, and Introductions

Committee Co-Chair B.N. Chuang (ITRI) called the meeting to order at 11:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

**Attachment:** SEMI Standards Required Elements

## 2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

**Motion:** Approve previous meeting minute

**By / 2<sup>nd</sup>:** Teng-Chun Wu (ITRI) / Cheng-Yu Peng (NCUT)

**Discussion:** After review, all TC members agreed to approve it

**Vote:** 5-0 in favor. Motion passed

**Attachment:** 20171018\_PV Meeting Minutes

## 3 Liaison Reports

### 3.1 PV Japan TC Chapter

Dean Chang (SEMI TW) reported for the PV Japan TC Chapter. Of note:

**Action Item:**

- New standard published on August 3, 2017 as PV79-0817 (New Standard: Test Method for Exposure Durability of PV Cells to Acetic Acid Vapor)
- Next TC Meeting will be held on April 6, 2018 at SEMI Japan Office, Tokyo, Japan

**Attachment:** 170922\_LiaisonReport\_JA\_PV&PVM\_r1

### 3.2 PV China TC Chapter

Dean Chang (SEMI TW) reported for the PV China TC Chapter. Of note:

**Action Item:**

- 1 new SNARF; 1 reapproval SNARF; 5 ballots failed committee review and return to TF; Authorized 9 ballots in Cycle 8-17; Authorized 1 ballot in Cycle 9-17; Authorized 4 ballots go to A&R
- 3 Chinese Version of Standards Requests for Publish: SEMI PV64-0715, SEMI PV50-0114, and SEMI PV 74-0216
- Next TC Meeting will be held on May 26, 2018 at Shanghai

**Attachment:** China PV&PVM Committee Chapter Liaison Report20180124

### 3.3 SEMI Staff Report

Dean Chang (SEMI TW) gave the SEMI Staff Report. Of note:

- Doc 5979 “New Standard: Specification of indoor lighting simulator requirements for emerging PV” passed A&R review and waiting for the Standards number.
- Report the SEMI Global 2018 Calendar of Events.
- Report the 2018 Critical Dates for SEMI Standards Ballots. [http://www.semi.org/en/Standards/P\\_000788](http://www.semi.org/en/Standards/P_000788)

#### 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 Doc.6071A

- Propose A&R forms of Doc.6071A to submit for procedural review.

**Motion:** Approve A&R forms of Doc.6071A to submit for procedural review.

**By / 2<sup>nd</sup>:** Teng-Chun Wu (ITRI) / David Lee (King Design)

**Discussion:** After review, all TC members agreed to approve it

**Vote:** 5-0 Motion in favor. passed

**Attachment:** Ballot report 6071A for A&R

##### 4.2 Doc.6296

- Propose A&R forms of Doc.6296 to submit for procedural review.

**Motion:** Approve A&R forms of Doc.6296 to submit for procedural review.

**By / 2<sup>nd</sup>:** Mickey Long (ITRI) / Cheng-Yu Peng (NCUT)

**Discussion:** After review, all TC members agreed to approve it

**Vote:** 5-0 Motion in favor. passed

**Attachment:** Ballot report 6296 for A&R

##### 4.3 Doc.6299

- Propose A&R forms of Doc.6299 to submit for procedural review.

**Motion:** Approve A&R forms of Doc.6299 to submit for procedural review.

**By / 2<sup>nd</sup>:** Shu-Tsung Hsu (ITRI) / Cheng-Yu Peng (NCUT)

**Discussion:** After review, all TC members agreed to approve it

**Vote:** 5-0 in favor. Motion passed

**Attachment:** Ballot report 6299 for A&R

#### 5 Task Force Reports

##### 5.1 OPV, DSSC&PSC TF



- Continue to draft Doc. 5980 “SNARF for: New Standard: Test method of current-voltage (I-V) measurement in indoor lighting for DSC and OPV”
- Continue to draft Doc. 6297 “SNARF for: New Standard: Test Method for Current-Voltage (I-V) Performance Measurement of Perovskite Solar Cell (PSC), Part 1: Standard Testing Condition (STC)”

#### 5.2 PV Reliability Test TF

- Continue to draft Doc. 6298 “SNARF for: New Standard: Test Method for Non-Uniform Dynamic Mechanical Loads Test for PV Module”

### 6 Old Business

6.1 Reapprove five-year standards: PV38-0912 and PV23-1011 to go to Cycle 8-17 ballot without revisions

6.2 Submit Doc. 6071A to re-ballot in Cycle 8-17

### 7 New Business

7.1 Dean Chang sent the A&R forms (Doc6071A, Doc6299, Doc6296) to Kevin for reviewed, and then uploaded to Lotus Notes.

### 8 Next Meeting and Adjournment

The next meeting is scheduled for May, 2018 in Hsinchu. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment was at 14:00.

Respectfully submitted by:

Dean Chang

Senior Executive Consultant

SEMI Taiwan

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Minutes tentatively approved by:

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

**Table 13 Index of Available Attachments#1**

<i>Title</i>	<i>Title</i>
1_SEMI Standards Required Elements	4.1_Ballot report 6071A for A&R
2_20171018_PV Meeting Minutes	4.2_Ballot report 6296 for A&R
3.1_170922_LiaisonReport_JA_PV&PVM_r1	4.3_Ballot report 6299 for A&R
3.2_China PV&PVM Committee Chapter Liaison Report20180124	



**Table 13 Index of Available Attachments#1**

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#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.