



Photovoltaic Taiwan TC Chapter Meeting Summary and Minutes

Spring Meeting_Hybrid

Friday, Jan 12, 2024 10:30 – 12:00

National Yang-Ming Chiao Tung University, Hsinchu, Taiwan

TC Chapter Announcements

Next TC Chapter Meeting

TBD

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Teng-Chun Wu (ITRI), Jay Lin (PV Guider)

SEMI Staff: Cher Wu, Cheryl Chuang

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
ITRI	Long	Mickey	SEMI China	Li	Cassie
NYCU	Koo	Horng-Show			
ITRI	Tsai	Matt			
ITRI	Wang	Jen-Chieh			
SEMI Taiwan	Huang	Issy			

Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
NONE		

Table 3 TC Chapter 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>
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 Ratification Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>ISC A&R Action</i>	<i>A&R Forms</i>
NONE			

Note 1: **Passed** Ratification ballots will be submitted to SEMI publication for final processing.

Note 2: **Failed** Ratification ballots were returned to the originating task forces for re-work and re-balloting or abandoning.

Table 6 Activities Approved by the GCS between meetings of the TC Chapter

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
NONE			

Table 7 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>
TBD	SNARF	TC Chapter	SEMI PV84-0818 Test Method for Polymer Foil Dependent Discoloration of Silver Fingers on Photovoltaic Modules
TBD	SNARF	TC Chapter	SEMI PV72-0316 Test Method to Evaluate an Accelerated Thermo Humidity Resistance of Photovoltaic (PV) Encapsulation
TBD	SNARF	TC Chapter	SEMI PV38-0912 (Reapproved 0818) Test Method for Mechanical Vibration of c-Si PV Cells in Shipping Environment
TBD	SNARF	TC Chapter	SEMI PV23-1011 (Reapproved 0818) Test Method for Mechanical Vibration of Crystalline Silicon Photovoltaic (PV) Modules in Shipping Environment

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

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

Table 8 Authorized Ballots

<i>#</i>	<i>When</i>	<i>TF</i>	<i>Details</i>
NONE			

Table 9 SNARF(s) Granted a One-Year Extension

<i>#</i>	<i>TF</i>	<i>Title</i>	<i>Expiration Date</i>
NONE			

Table 10 SNARF(s) Abolished

<i>#</i>	<i>TF</i>	<i>Title</i>
NONE		

Table 11 Standard(s) to receive Inactive Status

<i>Standard Designation</i>	<i>Title</i>
NONE	



Table 11 Standard(s) to receive Inactive Status

<i>Standard Designation</i>	<i>Title</i>

Table 12 New Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
TF Leader Replacement	Matt Tsai (ITRI)	YuTai Li (ITRI), leader of PV Reliability Test Method TF has job responsibility change. Co-Chair Teng-Chun Wu (ITRI) recommends Dr. Hsieh as new leader (approved by committee on Jan. 12, 2024). Therefore, Matt Tsai (ITRI) will get the join approval from Dr. Hsieh.

Table 13 Previous Meeting Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
NONE		

1. Welcome, Reminders, and Introductions

Jay Lin (ITRI) called the meeting to order at 10:30. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: [Required Meeting Elements Nov 2022](#)

2. Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

- Motion:** Approve the minutes as written
- By / 2nd:** Mickey Long (ITRI)/Matt Tsai (ITRI)
- Discussion:** NONE
- Vote:** 5-Y 0-N. Motion passed.

Attachment: [PV Taiwan Minutes 20211001](#)

3. Liaison Reports

3.1 Photovoltaic and PV Materials China TC Chapter

-- Cassie Li reported for the 3.1 Photovoltaic and PV Materials China TC Chapter. Of note:

Last meeting: May, 2024, Detail TBD

Action Item: NONE

Attachment: [China PV&PVM Committee Chapter Liaison Report](#)

3.2 Photovoltaic (PV) – Materials NA TC Chapter

No update

3.3 Photovoltaic (PV) – Materials Japan TC Chapter

No update

4. SEMI Staff Report

Cher Wu (SEMI Taiwan) gave the SEMI Staff Report. Of note:

- 2024 Critical Dates for SEMI Standards Ballots
- Please see: https://www.semi.org/en/standards/Critical_Dates

Action Item: NONE

Attachment: [PV TC Staff Report 20240112](#)

5. Ballot Review

NONE

6. Subcommittee and Task Force Reports

6.1 OPV and DSSC and PSC

Mickey Long (ITRI) reported for the OPV and DSSC and PSC Task Force. This report contained information on.

- ✓ Meeting Date
 - Last meeting on April 14, 2023
 - Next meeting is TBD.
- ✓ Documents in Development
 - **Doc# 6297A, New Standard: Test Method for Current-Voltage (I-V) Performance Measurement of Perovskite Solar Cell (PSC)**
 - **Doc# 6539, “Specification of reference device for indoor lighting simulator”**
 - **Doc# 6540, “Test Method for Durability of Flexible Emerging PV”**

Attachment: [TCmeeting_OPV-DSSC-PSC_TFReport20240112](#)

6.2 PV Reliability Test TF

Standards Code	Title
SEMI PV84-0818	Test Method for Polymer Foil Dependent Discoloration of Silver Fingers on Photovoltaic Modules
SEMI PV72-0316	Test Method to Evaluate an Accelerated Thermo Humidity Resistance of Photovoltaic (PV) Encapsulation
SEMI PV38-0912 (Reapproved 0818)	Test Method for Mechanical Vibration of c-Si PV Cells in Shipping Environment
SEMI PV23-1011	Test Method for Mechanical Vibration of Crystalline Silicon Photovoltaic (PV) Modules in



(Reapproved 0818)	Shipping Environment
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TF Co-leader Jay Lin expressed that TF reviewed the four 5-year review standards. TF team decided to reapprove the four standards without any revision. Appointed SEMI staff 's support make the SNARF and seek GCS committee approval, then go for next TC meeting for Ballot Authorization process.

7. Old Business

NONE

8. New Business

8.1 Need to look for the new replacement for PV Reliability Test Method TF Leader, due to original leader is changing job function and duty from PV to Terahertz (THz`). Today Matt Tsai recommended Dr. Hsieh Hsin Hsin of ITRI to be the candidate. After discussion, member made motion for next step.

Motion: Matt Tsai (ITRI)

By / 2nd: Mickey Long (ITRI)

Discussion: Go invite Dr. Hsieh Hsin Hsin (ITRI)

Vote: 5-Y 0-N. Motion passed.

9. Next Meeting and Adjournment

The next meeting is scheduled for TBD. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: 12:00.

Respectfully submitted by:

Cheryl Chuang

Coordinator Specialist

SEMI Taiwan

Phone: 886-3-560-1777 #606/ 0910-419-832

Email: cchuang@semi.org

Minutes tentatively approved by:

Jay Lin (PV Guider), Co-chair	2024/01/19
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Table 14 Index of Available Attachments#1

<i>Title</i>	<i>Title</i>
1_ 01_Meeting Reminders	5_ TCmeeting_OPV-DSSC-PSC_TFReport20240112
2_ PV Taiwan_Minutes_20211001	
3_ China PV_PVM Committee Chapter Liaison Report	



Table 14 Index of Available Attachments#1

4_ PV TC Staff Report 20240112	
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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. For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.