



FPD Metrology Taiwan TC Chapter

Meeting Summary and Minutes

Taiwan Spring Standards 2nd Meeting
 Tuesday, Mar 26, 2024 10:00 – 11:00
 Online Meeting

TC Chapter Announcements

Next TC Chapter Meeting
 Wednesday, Jun 26, 2024, 10:00-12:00
 Hybrid Meeting, Hsinchu, Taiwan

Table 1 Meeting Attendees

Italics indicate virtual participants

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

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			
ITRI	Hsieh	Mina			
TUV	Wu	Louis			
NFU	Tsai	Jenn-Kai			
King Design	Shih	Jason			

Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
PV Reliability Test Method TF	YuTai Li (ITRI/CMS)	Mina Hsieh (ITRI/CMS)

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>
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

#	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
7207	Cycle 4-24	PV Reliability Test Method	Reapproval of SEMI PV23-1011 (Reapproved 0818), Test Method for Mechanical Vibration of Crystalline Silicon Photovoltaic (PV) Modules in Shipping Environment
7208	Cycle 4-24	PV Reliability Test Method	Reapproval of SEMI PV38-0912 (Reapproved 0818), Test Method for Mechanical Vibration of c-Si PV Cells in Shipping Environment
7209	Cycle 4-24	PV Reliability Test Method	Reapproval of SEMI PV72-0316, Test Method to Evaluate an Accelerated Thermo Humidity Resistance of Photovoltaic (PV) Encapsulation
7210	Cycle 4-24	PV Reliability Test Method	Reapproval of SEMI PV84-0818, Test Method for Polymer Foil Dependent Discoloration of Silver Fingers on Photovoltaic Modules

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

<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. Mina Hsieh.

1 Welcome, Reminders, and Introductions

Committee Co-Chairs Jay Lin (PV Guider) called the meeting to order at 10:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: Required Element Nov 2020

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion: Approve previous meeting minute.

By / 2nd: Ray Sung (UL)/ Mickey Long (ITRI)

Discussion: None

Vote: 5-0 in favor. Motion passed

Attachment: Meeting Minutes PV Taiwan TC 20240112 R3

3 Liaison Reports

3.1 Photovoltaic and PV Materials China TC Chapter
No Update

3.2 Photovoltaic (PV) – Materials NA TC Chapter
No Update

3.3 SEMI Staff Report

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

Action Item: SEMI Global 2023 Calendar of Events

2023 Critical Dates for SEMI Standards Ballots

Attachment: PV TC Meeting Staff Report 20240326

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 Document # 7207, Reapproval of SEMI PV23-1011 (Reapproved 0818), Test Method for Mechanical Vibration of Crystalline Silicon Photovoltaic (PV) Modules in Shipping Environment

Motion: Approve this Document to be submitted to ballot for Cycle 4-24

By / 2nd: By: Louis Wu (TUV) / Ray Sung (UL)

Discussion: None

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

4.2 Document # 7208, Reapproval of SEMI PV38-0912 (Reapproved 0818), Test Method for Mechanical Vibration of c-Si PV Cells in Shipping Environment

Motion: Approve this Document to be submitted to ballot for Cycle 4-24

By / 2nd: By: Louis Wu (TUV) / Ray Sung (UL)

Discussion: None

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

4.3 Document # 7209, Reapproval of SEMI PV72-0316, Test Method to Evaluate an Accelerated Thermo Humidity Resistance of Photovoltaic (PV) Encapsulation

Motion: Approve this Document to be submitted to ballot for Cycle 4-24

By / 2nd: By: Louis Wu (TUV) / Ray Sung (UL)

Discussion: None

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

4.4 Document # 7210, Reapproval of SEMI PV84-0818, Test Method for Polymer Foil Dependent Discoloration of Silver Fingers on Photovoltaic Modules

Motion: Approve this Document to be submitted to ballot for Cycle 4-24

By / 2nd: By: Louis Wu (TUV) / Ray Sung (UL)

Discussion: None

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

5 Subcommittee and Task Force Reports

None

6 Old Business

None

7 New Business

None



8 Next Meeting and Adjournment

The next meeting is scheduled to be held on Jun. 26, 2024.

See <http://www.semi.org/standards-events> for the current list of events

Adjournment: 11:00

Respectfully submitted by:

Cheryl Chuang



Standards Coordinator

SEMI Taiwan

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Minutes tentatively approved by:

Co-chair	Date Approved
Teng-Chun Wu (ITRI)	Mar. 26 th , 2024
Ray Sung (UL)	Mar. 27 th , 2024
Jay Lin (PV Guider)	Mar. 27 th , 2024

Table 13 Index of Available Attachments^{#1}

<i>Title</i>	<i>Title</i>
1 <u>Required Element Nov 2020</u>	
2 <u>Meeting Minutes PV Taiwan TC 20240112 R3</u>	
3 <u>PV TC Meeting Staff Report 20240326</u>	

#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.