



PV Committee China TC Chapter
PV Materials Committee China TC Chapter
Joint Meeting Summary and Minutes

China Spring Standards Meeting 2025

May 14th, 2025, 10:00-17:00

Xuancheng City, Anhui

TC Chapter Announcements

Next TC Chapter Meeting

TBD, China, 2025

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Dengyuan Song (DASOLAR)

SEMI Staff: Sara Ma, Cassie Li, Ein Wu, Ella Jin

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
DASOLAR	Song	Dengyuan	LINTON	Li	Zhixin
DASOLAR	Li	Jiadong	RUNERGY	Chen	Rulong
DASOLAR	Zhang	Kangping	TONGRUN	Zhou	Chengjun
DASOLAR	Xu	Xingxing	GCL	Xu	Meng
DASOLAR	Dai	Jianfang	Cathcend	Niu	Xinwei
CSI	Zhang	Guangchun	Longi	Wang	Xinshe
CSI	Xu	Tao	GCL	Wang	Bing
SJTU	Zhang	Zhen	AikoSolar	Fukui	Kenji
YONGXIANG	Liu	Yifeng	Leadmicro	Li	Weiming
NAURA	Li	Buzhong	Leadmicro	Su	Yunshan
NAURA	Du	Junna	Red Solar	Cai	Xianwu
NAURA	Sun	Pengtao	TONGWEI	Long	Wei
NAURA	Tian	Tao	Leadmicro	Zhang	Peng
NAURA	Li	Dianpu	Trinasolar	Tang	Aifeng
SANY	Chen	Jia	Longi	Huang	Yanmei
SANY	Ni	Jianxiong	Horiba	Li	Enze
Mindomg Dianli	Lv	Jinbiao	Saimaike	Peng	Zhenzhen
TCL Zhonghuan	Shen	Yitong	SHENZHEN S.C	Zhou	Xuan
Trinasolar	Zhou	Yujia	YONGXIANG	Li	Shouqin
Harog Technology	Wu	Wenxing	Jiangsu Luyi Investment	Fan	Jihao
Huasun Solar	Chen	Jingwei	Sipai	Wang	Tong
GNETEK	Yao	Huawen	XYNU	Lu	Xiaoman
Chint	Zhang	Yue	AikoSolar	An	Xiexie



LINTON	Liu	Erfei	HBU	Chen	Jianhui
Yingli	Wang	Xiuxiang	TCL Zhonghuan	Zhang	Xuenan
DASOLAR	Cui	Yuhui			

Table 1 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
<i>PV</i>		
PV Module Task Force	Wei Zhou – Trina Solar Jingbing Zhu – H2Lab Liang Luo – Red Solar Zhen Zhang – Shanghai Jiaotong University	Aifeng Tang – Trina Solar Jingbing Zhu – H2Lab Liang Luo – Red Solar Zhen Zhang – Shanghai Jiaotong University
<i>PV Material</i>		
None		

Table 2 Committee Structure Changes

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

Table 3 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
<i>PV</i>		
7166	Revision to SEMI PV79-0818, Test Method for Exposure Durability of Photovoltaic (PV) Cells to Acetic Acid Vapor	Passed
7249	Revision to SEMI PV 81-0318, Guide for Specifying Low Pressure Horizontal Diffusion Furnace	Passed
<i>PV Materials</i>		
7313	Reapproval of SEMI PV90-0319, Guide for Material Requirements of Internal Feeders Used in Mono-crystal Silicon Growers	Passed

#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 4 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>Photovoltaic</i>			
None			
<i>Photovoltaic Materials</i>			
None			



Table 5 Authorized Activities

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

#	Type	SC/TF/WG	Details
<i>PV</i>			
7362	SNARF	PV Equipment Task Force	New Standard: Guide for Pipeline Connection of TMA Delivery System in PV Deposition Equipment
7363	SNARF	Crystalline Silicon Solar Cell Task Force	New Standard: Test Method for Glutaric acid corrosion of crystalline silicon photovoltaic cells
7364	SNARF	PV Module Task Force	New Standard: Specification for Welding wire masking film for back contact photovoltaic modules
7365	SNARF	PV Module Task Force	New Standard: Specification for High-reflectivity black glazed backsheet glass for Crystalline silicon photovoltaic modules
<i>PV Materials</i>			
None			

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

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

Table 6 Authorized Ballots

#	When	TF	Details
<i>PV</i>			
7315	Cycle9-2025	Crystalline Silicon Solar Cell Task Force	Revision to SEMI PV79-0818, Test Method for Exposure Durability of Photovoltaic (PV) Cells to Acetic Acid Vapor
<i>PV Materials</i>			
None			

Table 7 SNARF(s) Granted a One-Year Extension

#	TF	Title	Expiration Date
<i>Photovoltaic</i>			
None			
<i>Photovoltaic Materials</i>			
None			

Table 8 SNARF(s) Abolished

#	TF	Title
<i>PV</i>		
None		
<i>PV Materials</i>		
None		

Table 9 Standard(s) to receive Inactive Status

Standard Designation	Title
<i>Photovoltaic</i>	
None	



Table 9 Standard(s) to receive Inactive Status

<i>Standard Designation</i>	<i>Title</i>
<i>Photovoltaic Materials</i>	
None	

Table 10 Table 10 Standard(s) to receive Withdrawal Status

<i>Standard Designation</i>	<i>Title</i>
<i>PV</i>	
None	
<i>PV Materials</i>	
None	

Table 11 New Action Items

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

Table 12 Previous Meeting Action Items

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

1. Welcome, Reminders, and Introductions

Committee co-chair Dengyuan Song called the meeting to order at 10:30.

2. Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion: To approve the minutes of the previous meeting as written

By / 2nd: Zhixin Li (Linton)/ Weiming Li (Leadmicro)

Discussion: None

Vote: 26Y - 0 N. Total 26 companies. Motion Passed.

Attachment: 3 China PV&PVM TC Joint Fall Meeting Minutes 20241120 v1

3. SEMI Staff Report

Sara Ma(SEMI) gave the SEMI Staff Report. Of note:

Action Item:

- Standards Technical Committees
- 2025 Critical Dates for SEMI Standards Ballots
- SEMI Standards Publications
- A&R SC Membership



- Organization chart for China PV Committee
- Organization chart for China PVM Committee
- China PV&PV Materials TC Update

Attachment: 4 SEMI Staff Report2025.05.13

3.1 Other SDO (Standards Development Organization) Update

- None

4. Liaison Reports

Sara Ma(SEMI) introduced the PV Taiwan Liaison Report:

Last meeting: January 7th , 2024 Online Meeting

Next meeting TBD

Action Item:

- Meeting Information
- Leadership / Leadership Changes
- Committee Structure Changes
- Organization Chart
- Ballot Results
- Activities Approved via GCS
- Authorized Activities / Other Activities
- Authorized Ballots
- SNARF(s) Granted One-Year Extension
- Abolished SNARFs
- Inactive Status
- Task Force Highlights
- Five-Year Review

Attachment: 5 PV Taiwan Liaison Report_20250107_R1

5. 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.

5.1 Document 7166, Revision to SEMI PV79-0818, Test Method for Exposure Durability of Photovoltaic (PV) Cells to Acetic Acid Vapor

Passed as balloted. Refer to attachment for ballot adjudication

Attachment: A&R 7166

5.2 Document 7249, Revision to SEMI PV 81-0318, Guide for Specifying Low Pressure Horizontal Diffusion Furnace

Passed as balloted. Refer to attachment for ballot adjudication



Attachment: A&R 7249

5.3 Document 7313, Reapproval of SEMI PV90-0319, Guide for Material Requirements of Internal Feeders Used in Mono-crystal Silicon Growers

Passed as balloted. Refer to attachment for ballot adjudication

Attachment: A&R 7313

6. Subcommittee and Task Force Reports

6.1 PV Silicon Raw Materials Task Force

None

7. SNARF Abolished

None

8. Task Force Report

8.1 Crystalline Silicon Solar Cell Task Force

Rulong CHEN (Runergy) reported for the Crystalline Silicon Solar Cell Task Force. This report contained information on:

Action Item:

- Introduced the task force's leaders and members
- Introduced published standards.
- Working on
 - 7166: Revision to SEMI PV79-0818, Test Method for Exposure Durability of Photovoltaic (PV) Cells to Acetic Acid Vapor
 - 7314, New Standard: Specification for Property Requirements of Finger Pastes for TOPCon Cell with Laser Assisted Firing Process
- New SNARF

New Standard: Test Method for Glutaric acid corrosion of crystalline silicon photovoltaic cells

Attachment: 6 2024 年秋季会议-电池工作组汇报 20250513

8.2 PV Module Task Force

Zhen Zhang (SJTU) reported for the PV Module Task Force. This report contained information on:

Action Item:

- Introduced the task force's leaders and members changes
- Introduced published standards

Attachment: 7 SEMI PV Module TF Report 2025-05-14.v2

8.3 PV Equipment Task Force

Buzhong Li (NAURA) reported for the PV Equipment Task Force. This report contained information on:

Action Item:



- Introduced the task force's leaders and members
- Introduced published standards
- Working on
 - Doc 7249, Revision to SEMI PV81-0318, Guide for Specifying Low Pressure Horizontal Diffusion Furnace

Attachment: 8 2025 年 SEMI PV 春季会议-设备工作组汇报 PPT -NAURA (密级：不涉密) (20250514)
(1)

8.4 PV Silicon Wafer Task Force

Xinshe Wang(LONGi) reported for the PV Silicon Wafer Task Force. This report contained information on:

Action Item:

- Introduced the task force's leaders and members
- Introduced published standards
- Working on
 - Doc 7251, New Standard: Specification for Tungsten Wire Used for PV Silicon Wafer Slicing

Attachment: 9 SEMI PV Silicon Wafer Task Force_May. 14th,2025

9. Old Business

9.1 Refer to Table 12 Previous Meeting Action Items

10. New Business

10.1 Five-Year-Review

10.1.1 5-Year-Review SNARF, Reapproval of SEMI PV91-1019, New Standard: Specification for Trichlorosilane Used in Polysilicon Production

Motion: Approve the SNARF for 5-Year-Review.

By / 2nd: Meng Xu(GCL) / Rulong Chen (RUNERGY)

Discussion: Tao Xu (CSI): If this standards don't need revision to republished?
Meng Xu(GCL): Maybe need some revision in the next meeting.

Vote: 2 in favor and 21 opposed 0 abstain. (Total 23 companies.) Motion Failed.

Attachment: 10 5-Year-Review SNARF-Reapproval of SEMI PV 91-1019 Specification for Trichlorosilane Used in Polysilicon Production

10.2 New SNARFs

10.2.1 SNARF, New Standard: Guide for Pipeline Connection of TMA Delivery System in PV Deposition Equipment

Motion: Approve the SNARF.

By / 2nd: Yunshan Su (Leadmicro) / Rulong Chen (RUNERGY)

Discussion: None

Vote: 23 in favor and 0 opposed 0 abstain. (Total 23 companies.) Motion passed.

Attachment: 13 SNARF_Guide for Pipeline Connection of TMA Delivery System in PV Deposition Equipment



10.2.2 SNARF, New Standard: Test Method for Glutaric acid corrosion of crystalline silicon photovoltaic cells

Motion: Approve the SNARF.

By / 2nd: Jiadong Li(DASOLAR) / Tao Xu(CSI)

Discussion: Zhen Zhang (SJTU): Is there any correlation between the flux and the temperature?
Dengyuan Song(DASOLAR):. None

Vote: 23 in favor 0 abstain and 0 opposed (Total 23 companies.) Motion passed.

Attachment: 14-SNARF_Test Method for Glutaric acid corrosion of crystalline silicon photovoltaic cells

10.2.3 SNARF, New Standard: Specification for Welding wire masking film for back contact photovoltaic modules

Motion: Approve the SNARF.

By / 2nd: Jianfang Dai (DASOLAR) / Rulong Chen (RUNERGY)

Discussion: Tao Xu(CSI): It is recommended to refer to the relevant standards of IEC film.

Vote: 21 in favor 0 abstain and 0 opposed (Total 21 companies.) Motion passed.

Attachment: 15-SNARF_Specification for Welding wire masking film for back contact photovoltaic modules

10.2.4 SNARF, New Standard: Specification for High-reflectivity black glazed backsheet glass for Crystalline silicon photovoltaic modules

Motion: Approve the SNARF.

By / 2nd: Jianfang Dai (DASOLAR) / Tao Xu(CSI)

Discussion: None

Vote: 23 in favor 0 abstain and 0 opposed (Total 23 companies.) Motion passed.

Attachment: 16-SNARF_Specification for High-reflectivity black glazed backsheet glass for Crystalline silicon photovoltaic modules

10.3 Requests for ballots in Cycle 9 of 2025

10.3.1 Doc. 7314, New Standard: Specification for Property Requirements of Finger Pastes for TOPCon Cell with Laser Assisted Firing Process

Motion: Approve Document 7314 for Letter Ballot in Cycle 9-25.

By / 2nd: KP Zhang (DASOLAR) / Weiming Li (Leadmicro)

Discussion: Xinshe Wang(LONGi): The title should be test method.
Tao Xu(CSI) : The relationship with main grid is little.

Vote: 0 in favor and 0 abstain, 0 opposed. (Total 20 companies.) Motion Failed.

Attachment: 11-用于 TOPCon 激光辅助烧结电池的细栅浆料的性能要求规范 7314-SEMI 草案 20250512

10.3.2 Doc. 7315, New Standard: Test Method for PV modules intensify aging in cold environmental conditions

Motion: Approve Document 7315 for Letter Ballot in Cycle 9-25.

By / 2nd: Jiadong Li (DASOLAR) / Weiming Li (Leadmicro)

Discussion: None

Vote: 20 in favor and 1 abstain, 1 opposed. (Total 22 companies.) Motion Passed.

Attachment: 12-寒冷环境条件下光伏组件加强老化测试方法 7315-SEMI 草案 20250514.ver02

10.4 SNARF(s) Granted a One-Year Extension

None

11. Next Meeting and Adjournment

The next meeting of the PV & PV Materials China TC Chapter is TBD.

For more information, please visit Standards Calendar at <http://www.semi.org/en/standards>

Adjournment: 17:10

Respectfully submitted by:

Sara Ma

SEMI China

Phone: 86-21-60278578

Email: sarama@semi.org

Minutes tentatively approved by:

Dengyuan Song (DASOLAR), PV Committee and PV Materials Committee China TC Chapter Co-chair	2025/05/29
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Table 13 Index of Available Attachments#1

<i>Title</i>	<i>Title</i>
1 Chinese SEMI Standard Meeting Reminders	2 China PV Standards Committee Spring Meeting 2025 Agenda
3 China PV&PVM TC Joint Fall Meeting Minutes 20241120 v1	4 SEMI Staff Report2025.05.13
5 PV Taiwan Liaison Report_20250107_R1	6 2024年秋季会议-电池工作组汇报 20250513
7 SEMI PV Module TF Report 2025-05-14.v2	8 2025年 SEMI PV 春季会议-设备工作组汇报 PPT - NAURA (密级: 不涉密) (20250514) (1)
9 SEMI PV Silicon Wafer Task Force_May. 14th,2025	10 5-Year-Review SNARF-Reapproval of SEMI PV 91-1019 Specification for Trichlorosilane Used in Polysilicon Production
11 在研标准-用于 TOPCon 激光辅助烧结电池的细栅浆料的性能要求规范	12-寒冷环境条件下光伏组件加强老化测试方法 7315-SEMI 草案 20250514.ver02
13 SNARF_Guide for Pipeline Connection of TMA Delivery System in PV Deposition Equipment	14-SNARF_Test Method for Glutaric acid corrosion of crystalline silicon photovoltaic cells
15-SNARF_Specification for Welding wire masking film for back contact photovoltaic modules	16-SNARF_Specification for High-reflectivity black glazed backsheet glass for Crystalline silicon photovoltaic modules
A&R 7166	A&R 7249
A&R 7313	



#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.