



# FPD Metrology Taiwan TC Chapter

## Meeting Summary and Minutes

Taiwan Fall Standards Meeting 2024  
 Friday, October 4, 2024. 14:00–16:00  
 Officially Virtual Meeting

### TC Chapter Announcements

Next TC Chapter Meeting  
 Friday, Apr. 11, 2025, 14:00 – 16:00  
 Hybrid Meeting, Hsinchu, Taiwan

### Table 1 Meeting Attendees

Italics indicate virtual participants

**Co-Chairs:** Jen-Chieh Wang (OmniMeasure)/ Jia-Ming Liu (TDMDA)

**SEMI Staff:** *Nick Chen/ Cher Wu/ Cheryl Chuang*

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
ITRI	Chen	Cheng Hsien	I-Boson	Wang	Kerson
ITRI	Pong	Bao-Jen	NTUST	Sun	Pei-Li
NTUST	Wen	Chao-Hua	ITRI	Hung	Shao-Tang
ITRI	Yao	Mike	ITRI	Lan	Yu-Ping
AUO	Chen	Kevin	ITRI	Wang	Sheng-Po

### 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>
7220	Terminology for 3D Display	<b>Passed</b>
7221	Test Method for Measurement of LED Light Bar for Liquid Crystal Displays	<b>Passed</b>

#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
7294	SNARF	Transparent Display	Reapproval of SEMI D65-0719, Test Method for Measurement for the Color Breakup of Field Sequential Color Display
7295	SNARF	Transparent Display	Reapproval of SEMI D68-0719, Test Method for Optical Properties of Electronic Paper Displays

#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
7294	cycle 9 of 2024	Transparent Display	Reapproval of SEMI D65-0719, Test Method for Measurement for the Color Breakup of Field Sequential Color Display
7295	Cycle 9 of 2024	Transparent Display	Reapproval of SEMI D68-0719, Test Method for Optical Properties of Electronic Paper Displays

**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	SEMI	Confirm the final result of Korean standard document 7156A and notify members
2	SEMI	Confirm the handling of relevant standards after the disbandment of the Korean Task Force and inform all committee members
3	SEMI	Submit Dr. Lan Yu-Ping's application of Co-chair to SEMI HQ for confirmation at NA ISC meeting
4	SEMI	Collect and share information related to the intersection of 3DIC and FPD
	Transparent Display TF	Return to TF to discuss the scope definition of the D56 document to ensure that the coverage is clear

**Table 12 Previous Meeting Action Items**

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

### 1 Welcome, Reminders, and Introductions

Committee Co-Chairs Jen-Chieh Wang (ITRI) called the meeting to order at 14:00. 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 / 2<sup>nd</sup>:** Bao-Jen Pong(ITRI) / Chao-Hua Wen(NTUST)

**Discussion:** None

**Vote:** 8-0 in favor. Motion passed

**Attachment:** Taiwan FPD TC Meeting Minutes 20240223 V1

### 3 Liaison Reports

#### 3.1 FPD-Metrology Japan TC Chapter

-- Nick Chen reported for the FPD Metrology Japan TC Chapter. Of note:

**Attachment:** FPD Met JA Liaison Report Oct 2024 R0

#### 3.2 FPD-Metrology Korea TC Chapter

-- Nick Chen reported for the FPD Metrology Korea TC Chapter. Of note:

**Attachment:** Liaison report FPDM KR Sept2024

#### 3.3 SEMI Staff Report

--Nick Chen gave the SEMI Staff Report. Of note:Action

Item: SEMI Global 2023 Calendar of Events ∙ 2023

Critical Dates for SEMI Standards Ballots

**Attachment:** FPD TC Staff Report 20241004

### 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 # 7220, SEMI D59-0519, Terminology for 3D Display**

Motion: This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review

By / 2nd: By: Bao-Jen Pong (ITRI)/ Chao-Hua Wen (NTUST)

Discussion: None

Vote: 10-Y 0-N. Motion passed.

**4.2 Document # 7221, SEMI D62-0619, Test Method for Measurement of LED Light Bar for Liquid Crystal Displays**

Motion: This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review

By / 2nd: By: Bao-Jen Pong (ITRI)/ Pei-Li Sun (NTUST)

Discussion: None

Vote: 10-Y 0-N. Motion passed.

**4.3 SEMI D65-0719 is due for Five Year Review. During its TC Standards Fall Meeting in 2024, the TC Chapter agreed to issue a reapproval ballot for SEMI D65-0719.**

Motion: TC Chapter agrees to issue a reapproval ballot

By / 2nd: By: Bao-Jen Pong (ITRI)/ Kevin Chen (AUO)

Discussion: None

Vote: 9-Y 0-N. Motion passed.

**4.4 SEMI D65-0719 is due for Five Year Review. During its TC Standards Fall Meeting in 2024, the TC Chapter agreed to issue a reapproval ballot for SEMI D65-0719 to be submitted to Cycle 9-24.**

Motion: TC Chapter agrees to submit reapproval ballot to Cycle 9-24.

By / 2nd: By: Chao-Hua Wen (NTUST)/ Pei-Li Sun (NTUST)

Discussion: None

Vote: 10-Y 0-N. Motion passed.

**4.5 SEMI D68-0719 is due for Five Year Review. During its TC Standards Fall Meeting in 2024, the TC Chapter agreed to issue a reapproval ballot for SEMI D68-0719.**

Motion: TC Chapter agrees to issue a reapproval ballot

By / 2nd: By: Chao-Hua Wen (NTUST)/ Shao-Tang Hung (ITRI)

Discussion: None

Vote: 10-Y 0-N. Motion passed.



**4.6** SEMI D68-0719 is due for Five Year Review. During its TC Standards Fall Meeting in 2024, the TC Chapter agreed to issue a reapproval ballot for SEMI D68-0719.

Motion: TC Chapter agrees to submit reapproval ballot to Cycle 9-24.

By / 2nd: By: Chao-Hua Wen (NTUST)/ Pei-Li Sun (NTUST)

Discussion: None

Vote: 10-Y 0-N. Motion passed.

## **1 Subcommittee and Task Force Reports**

### **1.1 Flexible Display Task Force**

- Document # 7221, SEMI D62-0619, Test Method for Measurement of LED Light Bar for Liquid Crystal Displays is submitted to 2024 cycle 4 voting, review voting results, no reject.
  - Approve in TC meeting (2024/10/4) to be submitted to Headquarter A&R review.
- SEMI D72-0520, Test Method for Color Properties of Electronic Paper Displays is due for Five Year Review. During its TC Standards Fall Meeting (2024/10/4), the Flexible Display TF decides to review in 2025.
  - Approve in TC meeting (2024/10/4) to be reviewed by Flexible Display TF in 2025.

### **1.2 Transparent Display Task Force**

- Document # 7220, SEMI D59-0519, Terminology for 3D Display is submitted to 2024 cycle 4 voting, review voting results, no reject.
  - Approve in TC meeting (2024/10/4) to be submitted to Headquarter A&R review.
- SEMI D69-0314 (Reapproved 0520), Test Method of FPD-Based Stereoscopic Display with Active Glasses is due for Five Year Review. During its TC Standards Fall Meeting (2024/10/4), the Transparent Display TF decides to review in 2025.
  - Approve in TC meeting (2024/10/4) to be reviewed by Transparent Display TF in 2025.
- SEMI D70-0314 (Reapproved 0520), Test Method of FPD-Based Stereoscopic Display with Passive Glasses is due for Five Year Review. During its TC Standards Fall Meeting (2024/10/4), the Transparent Display TF decides to review in 2025.
  - Approve in TC meeting (2024/10/4) to be reviewed by Transparent Display TF in 2025.
- SEMI D56-0519, Test Method for Measurement for Ambient Contrast of Liquid Crystal Displays is due for Five Year Review. During its TC Standards Fall Meeting (2024/10/4), the Transparent Display TF decides to discuss the scope of this document in FPD.
  - Approve in TC meeting (2024/10/4) to be reviewed by Transparent Display TF to discuss the scope of this document in FPD.
- The binocular disparity assessment part will continue to be discussed by Chao-Hua Wen (NTUST).
- SEMI D65-0719 is due for Five Year Review. During its TC Standards Fall Meeting in 2024, the TC Chapter agreed to issue a reapproval ballot for SEMI D65-0719 to be submitted to Cycle 9-24.
  - Approve in TC meeting (2024/10/4) to be submitted to Cycle 9-24.
  - Approve in TC meeting (2024/10/4) to be issued reapproval ballot.
- SEMI D68-0719 is due for Five Year Review. During its TC Standards Fall Meeting in 2024, the TC Chapter agreed to issue a reapproval ballot for SEMI D68-0719.



- Approve in TC meeting (2024/10/4) to be submitted to Cycle 9-24.
- Approve in TC meeting (2024/10/4) to be issued reapproval ballot.

### **1.3 Maintenance Task Force**

- None

## **2 Old Business**

None

## **3 New Business**

### **3.1 New FPD TC Co-Chair**

SEMI invites Dr. Yu-Ping Lan to introduce herself as Dr. Yu-Ping Lan is willing to be new FPD co-chair.

Motion: Approve in TC meeting (2024/10/4) that Dr. Yu-Ping Lan to be a new co-chair in FPD Taiwan TC

By / 2nd: Pei-Li Sun (NTUST)/ Kevin Chen (AUO)

Discussion: All agreed to Dr. Yu-Ping Lan's introduction.

Vote: 9 in Favor – 0 reject, motion passed.



### **3.2 SEMI**

#### 3.2.1 Confirm the status of Korean Standard Document

Action Item: SEMI will confirm the final result of Korean Standard Document 7156A and notify members.

#### 3.2.2 The issue of the disbandment of Taskforce in Korea:

Action Item: SEMI will confirm the handling of relevant standards after the dissolution of Taskforce in Korea and inform all members.

#### 3.2.3 Submit of Dr. Dr. Yu-Ping Lan's bio information:

Action Item: Submit Dr. Yu-Ping Lan's bio information to SEMI HQ to be voted at the next NARSC meeting on Nov 4.

#### 3.2.4 Collect information on the intersection of 3DIC and FPD:

Action Item: Collect and share information on the intersection of 3DIC and FPD.

### **4 Next Meeting and Adjournment**

The next meeting is scheduled to be held on Apr. 11, 2025.

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

Adjournment: 15:07

Respectfully submitted by:

Cheryl Chuang



Standards Coordinator

SEMI Taiwan

Phone: 886-3-560-1777 #510, 886-910-419-832

Email: [cchuang@semi.org](mailto:cchuang@semi.org)

Minutes tentatively approved by:

Co-chair	Date Approved
Jen-Chieh Wang/OmniMeasure	Oct. 21, 2024

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

<i>Title</i>	<i>Title</i>
1 <u>Required Element Nov 2020</u>	4 <u>Liaison report FPDM KR Sept2024</u>
2 <u>Taiwan FPD TC Meeting Minutes 20240223 V1</u>	5 <u>FPD TC Staff Report 20241004</u>
3 <u>FPD Met JA Liaison Report Oct 2024 R0</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](http://www.semi.org). For additional information or to obtain individual attachments, please contact [SEMI Staff Name] at the contact information above.