



FPD Metrology Korea TC Chapter Meeting Summary and Minutes

March 20, 2025, 14:00 – 16:00 (KST)

TC Chapter Announcements

Next TC Chapter Meeting

August 28, 2025, 14:00 – 16:00 (KST)

at SEMI Korea office in Seoul. (Hybrid)

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Jaehong Kim (LG Display) / Yongwoo Yi (Samsung Display)

SEMI Staff: Natalie Shim (SEMI Korea)

| <i>Company</i> | <i>Last</i> | <i>First</i> | <i>Company</i> | <i>Last</i> | <i>First</i> |
|-------------------------|-------------|----------------|-----------------|---------------|--------------|
| <i>LG Display (LGD)</i> | <i>Kim</i> | <i>Jaehong</i> | Samsung Display | Lee | Seungmin |
| LG Display (LGD) | Jeong | Jongho | Samsung Display | Yi | Yongwoo |
| LG Electronics | Lee | Myongyoung | SEMI Korea | Shim | Natalie |
| <i>LG Electronics</i> | <i>Ryu</i> | <i>Ji Bong</i> | <i>SEMI HQ</i> | <i>Trio</i> | <i>Paul</i> |
| Samsung Display | Kim | Suyoung | <i>SEMI HQ</i> | <i>Nguyen</i> | <i>Kevin</i> |

Table 2 Leadership Changes

None

Table 3 TC Chapter Structure Changes

None

Table 4 Ballot Results

None

Table 5 Activities Approved by the GCS between meetings of the TC Chapter

None

Table 6 Authorized Activities

None



Table 7 Authorized Ballots

| # | When | TF | Details |
|-------|------------|-------------------------------|---|
| 7154A | Cycle 5-25 | Picture Quality Evaluation TF | New standard, Test Method for Flicker of Flat Panel Display |

Table 8 SNARF(s) Granted a One-Year Extension

None

Table 9 SNARF(s) Abolished

None

Table 10 Standard(s) to receive Inactive Status

None

Table 11 New Action Items

None

Table 12 Previous Meeting Action Items

| # | TF | Details |
|-------------|-------------------------------|--|
| 2024-1024-1 | Picture Quality Evaluation TF | To be decided if D76-0318 (Test Method for Viewing Angle Characteristic Using Reference Color on Visual Displays) needs a 5-year review by the next meeting. (Completed) TF submitted reapproval SNARF, and it was approved. |



1 Welcome, Reminders, and Introductions

Yongwoo Yi (Samsung Electronics) called the meeting to order at 14:00 (KST). The meeting reminders on antitrust issues, intellectual property issues, and holding meeting with international attendees were reviewed. Attendees introduced themselves.

Attachment 1: 01, FPDM_Agenda_March20_2025.pdf

Attachment 2: 02, Required Meeting Elements March 2024.pdf

2 Review of Previous Meeting Minutes

2.1 The TC Chapter reviewed the minutes of the previous meeting.

Motion: Review and Approval of Previous Meeting Minutes

By / 2nd: Jongho Jeong (LG Display) / Seungmin Lee (Samsung Display)

Discussion: None

Vote: 6-0, Motion carried

Attachment 3: 03, FPDM_KR_Minutes_20241024.pdf

3 Liaison Reports

3.1 FPD Metrology Japan TC Chapter

Natalie Shim (SEMI Korea) reported for the FPD Metrology Japan TC Chapter. Of note:

3.1.1 Meeting Information

- Last Meeting: February 7, 2025 Japan office and OVTCCM
- Next Meeting: July 18, 2025 at Japan office and OVTCCM

3.1.2 Ballot Results

- Doc. 7259, Revision to SEMI D31-0318, Guide for Definition of Measurement Index (DSemu) for Luminance Mura in FPD Image Quality Inspection, with title change to: Guide for Definition of Measurement Index (DSemu) for Luminance Mura in FPD Image Quality **passed** as balloted and the A&R submitted for procedural review.

Attachment 4: 04, FPD Met_JA_Liaison Report March 2025_R0.pdf

3.2 FPD Metrology Taiwan TC Chapter

Natalie Shim reported for the FPD Metrology Taiwan TC Chapter. Of note:

3.2.1 Meeting Information

- Last Meeting: October 4, 2024, OVTCCM
- Next Meeting: April 11, 2025, OVTTCM

3.2.2 Ballot Adjudication

3.2.2.1 Doc. 7220 (Reapproval of SEMI D59-0519, Terminology for 3D Display) passed

3.2.2.2 Doc. 7221 (Reapproval of SEMI D62-0619, Test Method for Measurement of LED Light Bar for Liquid Crystal Displays) passed

3.2.3 Authorized Activities

3.2.3.1 SNARF 7294 (Reapproval of SEMI D65-0719, Test Method for Measurement for the Color Breakup of Field Sequential Color Display)



3.2.3.2 SNARF 7295 (Reapproval of SEMI D68-0719, Test Method for Optical Properties of Electronics Paper Display)

3.2.4 Authorized Ballots for Cycle 9, 2024

3.2.4.1 Doc. 7294 (Reapproval of SEMI D65-0719, Test Method for Measurement for the Color Breakup of Field Sequential Color Display)

3.2.4.2 Doc. 7295 (Reapproval of SEMI D68-0719, Test Method for Optical Properties of Electronics Paper Display)

3.2.5 Task Force Highlight

3.2.5.1 Transparent Display Task Force

3.2.5.1.1 Doc. 6201B (New Standard, Guide for Tone Reproduction Curves for Transparent Displays) is submitted to cycle 7, 2023, and passed committee review with super clean. It is in the A&R review process.

3.2.5.1.2 SNARF XXXX (Reapproval of SEMI D59-0519, Terminology for 3D Display) approved and will issue a reapproval ballot.

3.2.5.1.3 Regarding Doc. 6737 (New Standard, Test Method of Binocular Image Fusion for Augmented Reality Transparent Displays), no further progress and committee members agree to start the draft after the completion of the 6201 task on 4/7 and 6/2 meetings

3.2.5.2 Flexible Display Task Force

3.2.5.2.1 Doc. 6632C (New Standard, Test Method of Flicker Nuisance for Wide Visual-Field Displays) is submitted to cycle 7, 2023, and passed committee review with super clean. It completed A&R process.

3.2.5.2.2 SNARF 7221 (Reapproval of SEMI D62-0619, Test Method for Measurement of LED Light Bar for Liquid Crystal Displays) is approved and submitted the ballot at cycle 4, 2024. The details will be discussed at the next committee meeting.

3.2.5.3 Maintenance Task Force

3.2.5.3.1 Doc. 6960 (Revision to SEMI D57, Guide for Definition of Measurement Index (VCT) for Mura in FPD Image Quality Inspection) completed A&R process.

3.2.5.3.2 Doc. 6961 (Line Item Revision to SEMI D58 Terminology and Test Pattern for the Color Breakup of Field Sequential Color Display) completed A&R process.

Attachment 5: 05, FPD Taiwan Liaison Report_20241004_R1.pdf

3.3 SEMI Staff Report

Natalie Shim gave the SEMI Staff Report. Details are in the attached report.

3.3.1 SEMI Global 2024 Calendar of Events

3.3.1.1 Starting in 2025, SEMICON West is scheduled to be held alternately every other year between Arizona (AZ) and California (CA) in the United States.

3.3.2 SEMI Standards Publications

3.3.2.1 Total SEMI Standards in the portfolio: 1,088 (Including 342 Inactive standards)

3.3.3 SEMI Regulations & Procedure Manual & Online Voting System Updated

3.3.4 Use of Connect@SEMI for TF Management and Document Development Depository

Attachment 6: 06, Staff Report Oct 2024.pdf

4 Ballot Review

None

5 Subcommittee and Task Force Reports

5.1 Automotive Display Task Force

- Jaehong Kim (LG Display) shared the plan for the Doc.7155 (New Standard, Test Method for Optical Switchable Properties of Automotive Display)
- TF meeting on July 3 to review the 1st draft.
- TF plans to submit ballot authorization for cycle 7 via CGS process.

5.2 Picture Quality Evaluation Task Force

- Suyoung Kim (Samsung Display) requested ballot authorization below.
 - Motion: Authorize the letter ballot 7154A (Test Method for Flicker of Flat Panel Display) In cycle 5, 2025
 - By/2nd: Suyoung Kim (Samsung Display)/Jaehong Kim (LG Display)
 - Discussion: The draft will under go one-week review by the TF members from April 1 to 8. Feedback will be discussed during the TF meeting scheduled for April 18.
 - Vote: 6-Y 0-N, Motion carried

6 Old Business

6.1 5-year-review

6.1.1 D76-0318 (Test Method for Viewing Angle Characteristic Using Reference Color on Visual Display)

6.1.1.1 The committee assigned this project to the Picture Quality Evaluation TF since the original TF is disbanded.

6.1.1.2 The original author, Myeongyeong Lee (LG Electronics) will submit a new SNARF for reapproval and ballot authorization for cycle 5 via GCS procedure.

6.2 D61 Copyright Assessment

The committee found that D61-1110 and D61-0723 have reproduced copyright items and decided to request CIE for technical grounds.

6.2.1 D61-1110

6.2.1.1 Safety Document Check

- Motion: This is not a Safety document, when all safety-related information is removed, the Document is still technically sound and complete. (Regulations ¶ 8.7.1)
- By/2nd: Jaehogn Kim (LG Display) / Jongho Jeong (LG Display)
- Discussion: None
- Vote: 6-Y 0-N, Motion carried (Simple Majority, Individual)

6.2.1.2 Copyrighted items finding

- Motion: Copyrighted items are reproduced in D61-1110 shown earlier and their inclusion is justified on technical grounds.
- By/2nd: Jaehogn Kim (LG Display) / Jongho Jeong (LG Display)
- Discussion: None
- Vote: 6-Y 0-N, Motion carried (Simple Majority, Individual)

6.2.1.3 LOI request

- Motion: Wait for the copyright release letter from CIE
- By/2nd: Jaehogn Kim (LG Display) / Jongho Jeong (LG Display)
- Discussion: None
- Vote: 5-Y 0-N, Motion carried (Simple Majority, Individual)

6.2.1.4 A&R for D61-1110

- Motion: This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
- By/2nd: Jaehogn Kim (LG Display) / Jongho Jeong (LG Display)
- Discussion: None
- Vote: 6-Y 0-N, Motion carried (Simple Majority, Individual)

6.2.2 D61-0723

6.2.2.1 Safety Document Check

- Motion: This is not a Safety Document, when all safety-related information is removed, the Document is still technically sound and complete. (Regulations ¶ 8.7.1)
- By/2nd: Jaehogn Kim (LG Display) / Jongho Jeong (LG Display)
- Discussion: None
- Vote: 6-Y 0-N, Motion carried (Simple Majority, Individual)

6.2.2.2 Copyrighted items finding

- Motion: Copyrighted items are reproduced in D61-0723 shown earlier and their inclusion is justified on technical grounds.



- By/2nd: Jaehogn Kim (LG Display) / Jongho Jeong (LG Display)
- Discussion: None
- Vote: 6-Y 0-N, Motion carried (Simple Majority, Individual)

6.2.2.3 LOI request

- Motion: Wait for the copyright release letter from CIE
- By/2nd: Jaehogn Kim (LG Display) / Jongho Jeong (LG Display)
- Discussion: None
- Vote: 5-Y 0-N, Motion carried (Simple Majority, Individual)

6.2.2.4 A&R for D61-0723

- Motion: This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
- By/2nd: Jaehogn Kim (LG Display) / Jongho Jeong (LG Display)
- Discussion: None
- Vote: 6-Y 0-N, Motion carried (Simple Majority, Individual)

Attachment 7: 07, A&R SEMI D61-1110 Rev 3

Attachment 8: 08, A&R SEMI D61-0723 Rev 3

7 New Businesses

None

8 Next Meeting and Adjournment

The next meeting is scheduled for Thursday, August 28, 2025 at SEMI Korea office in Seoul. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: 16:30.

Respectfully submitted by:

Natalie Shim

Sr. Manager, Standards

SEMI Korea

Phone: 82.2.531.7808

Email: eshim@semi.org



Minutes tentatively approved by:

| | |
|------------------------------|--|
| Jaehong Kim (LG Display) | |
| Yongwoo Yi (Samsung Display) | |

Table 13 Index of Available Attachments^{#1}

| <i>Title</i> | <i>Title</i> |
|---|---|
| 01, FPD Agenda_Mar20_2025.pdf | 05, FPD Taiwan Liaison Report_20241004_R1.pdf |
| 02, Required Meeting Elements March 2024.pdf | 06, Staff Report March 2025 v1.pdf |
| 03, FPD KR Minutes_20241024_v1.pdf | 07, A&R SEMI D61-1110 Rev 3 |
| 04, FPD Met_JA_Liaison Report Mar 2025_R0.pdf | 08, A&R SEMI D61-0723 Rev 3 |

#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 Natalie Shim at the contact information above.