



FPD Metrology Korea TC Chapter Meeting Summary and Minutes

June 30, 2022, 15:00 – 17:00 (KST)

TC Chapter Announcements

Next TC Chapter Meeting

October 6, 2022, 15:00 – 17:00 (KST)

OVTCCM (hybrid)

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Jongho Chong (Kwangwoon University), Kyungjin Kang (LG Electronics)

SEMI Staff: Natalie Shim (SEMI Korea)

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
Samsung Display	Kim	Su Young	<i>LG Electronics (LGE)</i>	<i>Kang</i>	<i>Kyungjin</i>
Samsung Display	Lee	Seungmin	<i>LG Electronics (LGE)</i>	<i>Lee</i>	<i>Myongyoung</i>
Samsung Display	Yi	Youngjun	<i>LG Display (LGD)</i>	<i>Kim</i>	<i>Jaehong</i>
Samsung Display	Seo	Yong Woo			

Table 2 Leadership Changes

None

Table 3 Committee Structure Changes

None

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
R6701C	New Standard: Test Method for Warm-up Properties of Display Picture Quality	Passed
6913	Line Item Revision to SEMI D61-1110, Test Method of Perceptual Angle for OLED Displays	
LI-1	Update colour volume calculation method	Failed and rework
LI-2	Add measurement item for perceptual angle	Passed
L1-3	Restructure referenced standards sections — section 3 and section 7	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 5 Activities Approved by the GCS between meetings of the TC Chapter

None



Table 6 Authorized Activities

None

Table 7 Authorized Ballots

<i>#</i>	<i>When</i>	<i>TF</i>	<i>Details</i>
6659B	Cycle 6-22	Perceptual Image Quality TF	Revision to SEMI D75-0118, Test Method of Perceptual Angle for OLED Displays
6913A	Cycle 6-22	Perceptual Image Quality TF	Line Item Revision to SEMI D61-1110, Test Method of Perceptual Angle for OLED Displays

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

None

1 Welcome, Reminders, and Introductions

Kyungjin Kang (LG Electronics) called the meeting to order at 15:00 (KST). The meeting reminders on antitrust issues, intellectual property issues, and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 01, Meeting Agenda.pdf,
02, Meeting Reminders.pdf

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion:	Approve the previous meeting minutes with editorial changes.
By / 2nd:	Seungmin Lee (Samsung Display) / Jae Hong Kim (LGD)
Discussion:	None
Vote:	3-0, Motion carried

Attachment: 03, KR FPDM_minutes_March 31_2022.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: June 10, 2022 at Japan office and OVTCCM (hybrid)
- Next Meeting: Date to be decided

3.1.2 Leadership Changes

3.1.2.1 Previous Leader

- Ryoichi Watanabe / Japan Display
- Akira Kawaguchi / Otsuka Electronics

3.1.2.2 New Leader

- Ryoichi Watanabe / Japan Display
- Akira Kawaguchi / Otsuka Electronics
- Satoshi Tomioka / Sony Group

Attachment: 04, 202206_JA_FPD_Met_LiaisonReport.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: February 25, 2022, OVTCCM
- Next Meeting: August 5, 2022, OVTCCM

3.2.2 Ballot Adjudication

3.2.2.1 Doc. 6864, Line Item Revision of SEMI D57-0310, Definition of Measurement Index (VCT) for MURA in FPD Image Quality Inspection - **Failed**

3.2.3 Authorized Ballots for Cycle 3 or 4, 2022

3.2.3.1 6632A, New Standard, Test Method of Flicker Nuisance for Wide Visual-Field Displays.

3.2.4 Task Force Highlight

3.2.4.1 Flexible Displays Task Force

3.2.4.1.1 6632 (New Standard, Test Method of Flicker Nuisance for Wide Visual-Field Displays.)

- Discussed the New draft in TF meeting on 2021/8/6, 10/1, then approved on 12/3
- Scheduled submission for the next coming TC meeting on 2022/2/25
- TC authorized the ballot for cycle 3 or 4, 2022

3.2.4.2 Transparent Display Task Force

3.2.4.2.1 6201 (New Standard, Guide for Tone Reproduction Curves for Transparent Displays)

- New draft discussion in TF meeting on 2022/02/25
- Scheduled submission for the next coming TC meeting TBD,2022

3.2.4.2.2 6737 (New Standard, Test Method of Binocular Image Fusion for Augmented Reality Transparent Displays)

- Content discussion for draft in TF meeting on 2021/8/6, 10/1, 12/3
- Scheduled to have 1st Draft in 2022

3.2.4.3 Maintenance Task Force

3.2.4.3.1 6864: SEMI D57 0310 Definition of Measurement Index (VCT) for Mura in FPD Image Quality Inspection failed TC Chapter adjudication.

3.2.4.3.2 TF will submit the New SNARF to Revision to SEMI D57 (Definition of Measurement Index (VCT) for MURA in FPD Image Quality Inspection) to correct the title(Sub type) of existing standards and referenced standards and documents

Attachment: 05, FPD-M Taiwan Liaison report_2022_June.pdf

Motion:	Approve the previous meeting minutes with editorial changes.
By / 2nd:	Seungmin Lee (Samsung Display) / Jae Hong Kim (LGD)
Discussion:	None
Vote:	3-0, Motion carried

3.3 SEMI Staff Report

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

3.3.1 SEMI Global Calendar of Events

3.3.2 Critical Dates for SEMI Standards Ballots in 2022

3.3.3 Regulations, Procedure Manual, and Style Manual Updates

3.3.4 SEMI Standards Publications

Attachment: 06, Staff Report June_2022.pdf

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 R6701C (New Standard, Test Method for Warm-up Properties of Display Picture Quality)

4.1.1 Document R6701C met the acceptance condition and was forwarded to A&R review for its approval.

- Voting Interest Accepts: 22 (59.46%)
- Voting Interest Rejects: 0
- Voting Comment: 0
- Voting Interests Returns: 19 (51.35%)
- Voting Interest Distribution: 37

Attachment: 07, R6701C_A&R_Passed.pdf

4.2 Document 6913 (Line Item Revision to SEMI D61-1110, Test Method of Perceptual Angle for OLED Displays)

4.2.1 Line Item 1, Update Color Volume Calculation Method failed and returned to TF for rework.

Motion:	The committee found that the negatives from Jae Hong Kim/LGD in below are related and persuasive. The committee decided to fail and rework document 6913, Line Item 1. <i>Negative 1) Sections 6.1.1.1 and 6.1.2.1 Add the detail number of IEC 62977-2-1, ICDM specifying CAPL.</i>
By / 2nd:	Seungmin Lee (Samsung Display) / Jae Hong Kim (LGD)
Discussion:	None
Vote:	3-0, Motion carried

4.2.2 Line Item 2, Add Measurement Item for Perceptual Angle

Motion:	The committee approved document 6913, Line Item 2.
By / 2nd:	Seungmin Lee (Samsung Display) / Jae Hong Kim (LGD)
Discussion:	None
Vote:	3-0, Motion carried

4.2.3 Line Item 3, Restructure Referenced Standards Section, Sections 3 and 7

Motion:	The committee approved document 6913, Line Item 3.
By / 2nd:	Seungmin Lee (Samsung Display) / Jae Hong Kim (LGD)
Discussion:	None
Vote:	3-0, Motion carried

Attachment: 08, 6913 A&R.pdf

5 Subcommittee and Task Force Reports

5.1 Perceptual Image Quality Task Force

5.1.1 Document 6913 (Line Item Revision to SEMI D61-1110, Test Method of Perceptual Angle for OLED Displays) was adjudicated. Please refer to section 4.2 for details.



5.2 *Picture Quality Evaluation task force*

No Update

5.3 *Perceptual Viewing Angle task force*

No Update

6 Old Business

None

7 New Business

None

8 Next Meeting and Adjournment

The next meeting is scheduled for Thursday June 30, 2022 at SEMI Korea office in Seoul. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment: 17:00.

Respectfully submitted by:

Natalie Shim

Manager, Standards

SEMI Korea

Phone: 82.2.531.7808

Email: eshim@semi.org

Minutes tentatively approved by:

Jongho Chong (Gwangwoon University), Co-chair	
Kyungjin Kang (LGE), Co-chair	

Table 13 Index of Available Attachments^{#1}

<i>Title</i>	<i>Title</i>
01, Meeting Agenda_June30_2022.pdf	06, Staff Report June_2022.pdf
02, Meeting reminder.pdf	07, R6701C_A&R_Passed.pdf
03, KR FPDM_minutes_March 31_2022.pdf	08, 6913 A&R.pdf
04, FPDM Japan Liaison report_2022June.pdf	
05, FPD-M Taiwan Liaison report_2022_June.pdf	

#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.