



FPD Metrology Korea TC Chapter Meeting Summary and Minutes

October 6, 2021, 15:00 – 17:00 (KST)

SEMI Korea office, Seoul, Korea

Note: The meeting has been rescheduled from August 6, 2021 due to COVID-19 issue.

TC Chapter Announcements

Next TC Chapter Meeting

December 22, 2021, 15:00 – 17:00 (KST)

SEMI Korea office, Seoul, Korea

Table 1 Meeting Attendees

Italics indicate virtual participants

Co-Chairs: Jongho Chong (Samsung Display), 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	Chong	Jongho	<i>LG Electronics (LGE)</i>	<i>Kang</i>	<i>Kyungjin</i>
Samsung Display	Kim	Su Young	<i>LG Electronics (LGE)</i>	<i>Lee</i>	<i>Myongyoung</i>
Samsung Display	Lee	Seungmin	<i>LG Display (LGD)</i>	<i>Kim</i>	<i>Jaehong</i>

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>
6701A	New Standard: Test Method for Warm-up Properties of Display Picture Quality	Failed and returned to the task force for re-work

#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

#	Type	SC/TF/WG	Details
6863	SNARF	Picture Quality Evaluation TF	Line Item Revision to SEMI D64-0811, Test Method for Measuring the Spatial Contrast Ratio of Flat Panel Display

Table 7 Authorized Ballots

#	When	TF	Details
6701B	Cycle 8	Picture Quality Evaluation TF	New Standard: Test Method for Warm-up Properties of Display Picture Quality
6863	Cycle 8	Picture Quality Evaluation TF	Line Item Revision to SEMI D64-0811, Test Method for Measuring the Spatial Contrast Ratio of Flat Panel Display
6659B	Cycle 9	Perceptual Image Quality TF	Revision to SEMI D75-0118, Test Method for Color Reproduction and Perceptual Contrast of 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

Item #	Assigned to	Details	Result
11262020-01	The Authors of each standard	To be decided if the standards need 5-year review by next meeting. - D64-0811 (Test Method of Measuring the Spatial Contrast Ratio of Flat Panel Display) - D61-1110 (Test Method of Perceptual Angle of OLED Displays)	D64-0811 to Line Item Revision. D61-1110 to Reapproval



1 Welcome, Reminders, and Introductions

Jongho Chong (Samsung Display) 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 Reminders.pdf

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion:	Approve the previous meeting minutes as written.
By / 2nd:	Kyungjin Kang (LGE) / Jaehong Kim (LGD)
Discussion:	None
Vote:	5-0, Motion carried

Attachment: 02, KR FPDM_minutes_March26_2021.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: July 9, 2021 at Japan Summer 2021 Meetings (Jointly held with FPD Materials & Components)
- Next Meeting: Date to be decided

Attachment: 03, 202108_JA_FPD_Metrology_LiaisonR_v1.0.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

3.2.1.1 Last Meeting: February 5, 2021 at ITRI Office, Hsinchu, Taiwan.

3.2.1.2 Next Meeting: August 6, 2021 at ITRI Office, Hsinchu, Taiwan.

3.2.2 Authorized Activity

3.2.2.1 SNARF 6737, New Standard, Test Method of Binocular Image Fusion for Transparent Displays.

3.2.3 Authorized Ballots for Cycle 3, 2021

3.2.3.1 6303, Reapproval of SEMI D57-0310, Definition of Measurement Index(VCT) for MURA in FPD Image Quality Inspection

3.2.3.2 6632, New Standard, Test Method of Flicker Nuisance for Wide Visual-Field Displays.

Attachment: 04, FPD-M Taiwan Liaison report_20210205.pdf

3.3 SEMI Staff Report

Natalie Shim gave the SEMI Staff Report. Of note:

3.3.1 SEMI Global Calendar of Events

- SEMICON Europa on November 16 to 19, 2021 at Munich, Germany
- SEMICON West on December 7-9, 2021 at San Francisco, CA
- SEMICON Japan on December 15 to 17 at Tokyo, Japan
- SEMICON Taiwan on December 28 to 30, 2021 at Taipei, Taiwan

3.3.2 Critical Dates for SEMI Standards Ballots in 2021

- Cycle 7: September 15 to October 15 (Submission deadline: September 1)
- Cycle 8: October 22 to November 22 (Submission deadline: October 8)
- Cycle 9: November 30 to December 30 (Submission deadline: November 16)

3.3.3 SEMI Standards Publications

3.3.3.1 Total SEMI Standards in the portfolio: 1,053 (Including 294 inactive standards)

Attachment: 05, Staff Report October.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 6701A: New Standard, Test Method for Warm-up Properties of Display Picture Quality

4.1.1 Ballot Adjudication of 6701A

Motion:	The negative from Larry Hartsough in below is related and persuasive. 6701 is failed and returns to TF for rework. <i>Negative 1— Reference CIE 1976 is referenced in the text but is not listed in the Referenced Standards section. On the other hand CIE 1931 is listed as a referenced standard but I could not find a reference to it in the text.</i>
By / 2nd:	Myongyoung Lee (LGE) / Jaehong Kim (LGD)
Discussion:	None
Vote:	5-0, Motion carried

4.1.2 Ballot Authorization for 6701B

Motion:	To authorize 6701B for the Cycle 8-2021
By / 2nd:	Myongyoung Lee (LGE) / Jaehong Kim (LGD)
Discussion:	None
Vote:	5-0, Motion carried

Attachment: 06, 6701A_Tally and feedback.pdf

5 Subcommittee and Task Force Reports

5.1 *Perceptual Image Quality Task Force*

Jongho Chong (Gwangwoon University) reported that the CECAM16 standard which was referred to 6659 (Revision to SEMI D75-0118, Test Method for Color Reproduction and Perceptual Contrast of Display) is still waiting for its publication. It is expected to be published in November 2021 but Jongho Chong will keep monitoring its status.

5.2 *Picture Quality Evaluation task force*

Jaehong Kim (LGD) introduced new SNARF for D64 line-item revision.

5.2.1 New SNARF 6863 (Line Item Revision to D64-0811, Test Method for Measuring the Spatial Contrast Ratio of Flat Panel Display) Approval

Motion:	To approve SNARF 6863
By / 2nd:	Jaehong Kim (LGD) / Myongyoung Lee (LGE)
Discussion:	None
Vote:	5-0, Motion carried

5.2.2 Ballot Authorization 6863 (Line Item Revision to D64-0811, Test Method for Measuring the Spatial Contrast Ratio of Flat Panel Display)

Motion:	To authorize 6863 for Cycle 8-2021
By / 2nd:	Jaehong Kim (LGD) / Myongyoung Lee (LGE)
Discussion:	None
Vote:	5-0, Motion carried

Attachment: 07, SNARF_6863.pdf

6 Old Business

None

7 New Business

None

8 Next Meeting and Adjournment

The next meeting is scheduled for Wednesday, December 22, 2021 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 reminder.pdf	05, Staff Report_October 2021.pdf
02, KR FPD_M_minutes_20210326.pdf	06, 6701A_Tally and feedback.pdf
03, 202108_JA_FPD_Metrology_LiaisonR_v1.0.pdf	07, SNARF_6863.pdf
04, FPD-M Taiwan Liaison report._20210205.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.