

[Type here]

FPD Metrology Korea TC Chapter Meeting Summary and Minutes

Friday, February 10, 2017 13:00 – 15:00
SEMI Korea office, Seoul, Korea

TC Chapter Announcements

SNARF 5337 (New Standard, Test Method for Optical Characteristics of Transparent Display) is withdrawn.

Next Committee Meeting

Friday May 12, 2017 14:00 – 17:00 <KST>
SEMI Korea office, Seoul, Korea

Table 1 Meeting Attendees

Co-Chairs: Jongseo Lee (Samsung Display), Il-Ho Kim (LMS)

SEMI Staff: Natalie Shim

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
LG Display	Kim	Jae Hong	Samsung Display	Chong	Jongho
LG Display	Lee	Don Gyu	Samsung Display	Lee	Jongseo
LG Electronics	Kang	Kyungjin	Consultant	Park	Seung Chang
LMS	Kim	Il-Ho	SEMI HQ	Amano	James

Table 2 Ballot Results

Passed ballots and line items will be submitted to the ISC Audit & Review Subcommittee for procedural review.

Failed ballots and line items were returned to the originating task forces for re-work and re-balloting

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
5633D	New Standard, Test Method for Viewing Angle Characteristic using Mixed Color on Visual Displays	Failed & re-work

*5634C (New Standard, Test Method for Color Reproduction and Perceptual Contrast of Displays) failed to meet 60% return rate requirement. (*Regulation 9.3.2*)

Table 3 Authorized Ballots

<i>#</i>	<i>When</i>	<i>SC/TF/WG</i>	<i>Details</i>
5633E	Cycle 3, 2017	Perceptual Viewing Angel TF	New Standard, Test Method for Viewing Angle Characteristic using Mixed Color on Visual Displays
5634D	Cycle 3, 2017	Perceptual Image Quality	New Standard, Test Method for Color Reproduction and Perceptual Contrast of Displays

Table 4 Authorized Activities

None

Table 5 New Action Items

None

Table 6 Previous Meeting Action Items

None

[Type here]

1 Welcome, Reminders, and Introductions

Jongseo Lee (Samsung Display) called the meeting to order at 13:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: 01, Meeting reminders

2 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting.

Motion: Approve previous meeting minutes as it is

By / 2nd: Il-ho Kim (LMS)/ Jongho Chong (Samsung Display)

Discussion: None

Vote: 3-0, motion carried

Attachment: 02, previous meeting minutes

3 Liaison Reports

3.1 Japan FPD Metrology Committee

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

- Next Meeting: April 7, during Japan Standards Spring 2017 Meetings at SEMI Japan, Tokyo, Japan (It will be a joint meeting with FPD Materials & Components Japan TC Chapter)
- SNARF (Line Item Revision to D31-0213, Definition of Measurement Index for Luminance Mura in FPD Image Quality Inspection) revision approved and authorized in cycle 9, 2016.

Attachment: 03, Japan FPD Metrology committee liaison report

3.2 Taiwan FPD Committee

Natalie Shim reported for the Taiwan FPD Committee. Of note:

- Transparent Display TF
 - SNARF (New Standard, Recommended Tone Reproduction Curves for Transparent Displays) was submitted to two weeks review process.
- Flexible Display task force
 - SNARF (New Standard, Practice for Calibrating Automated Optical Inspection System in Front-of – View Foldable OLED Display Devices) is approved.
 - Doc. 5948(New Standard, Guide for Mechanical Stress Test Methods in the Measurement of Gas Barrier Performance for Flexible Display Components and Devices under a Normal Usage Condition) is authorized in cycle 9, 2016
- Next Meetings:
 - April 29, 2017 (tentative) at ITRI office, Hsinchu, Taiwan.

Attachment: 04, Taiwan FPD committee liaison report

3.3 SEMI Staff Report

Natalie Shim gave the SEMI Staff Report. The key items were as follows:

- SEMI Standards Program Membership update (as of Q4, 2016)
- SEMI Standards Publication update

[Type here]

- 2017 Critical Date
- SEMICON Korea 2017 event update

Attachment: 05, SEMI Staff report

4 Ballot Review

4.1 Doc.5633D (New Standard, Test Method for Viewing Angle Characteristic using Mixed Color on Visual Displays) was adjudicated and failed committee review as in below.

Motion: Fail 5633D as the committee found that below negative is related and persuasive.

- Voter: Akira Kawaguchi (Otsuka)
- Negative 1: It should describe the definition of natural color

By / 2nd: Kyungjin Kang (LG Electronics)/ Jongho Chong (Samsung Display)

Discussion: None

Vote: 5-0, motion carried

4.2 Despite Doc.5634C (New Standard, Test Method for Color Reproduction and Perceptual Contrast of Displays) was failed to get 60% return rate in cycle 8, 2016, the committee still reviewed the reject comments.

Attachment: 06, 5633D reject comments review

07, 5634C reject comments review

5 Subcommittee & Task Force Reports

5.1 Perceptual Viewing Angle Task Force

Kyungjin Kang reported Doc.5633D ballot result for Myeongyoung Lee, the author and requested Doc. 5633E ballot authorization in cycle 3, 2017. No official report was made.

Motion: Authorize Doc. 5633E in cycle 3, 2017

By / 2nd: Kyungjin Kang (LG Electronics)/ Jongho Chong (Samsung Display)

Discussion: None

Vote: 5-0, motion carried

5.2 Perceptual Image Quality Task Force

Jongho Chong, the task force leader, requested Doc. 5634D ballot authorization in cycle 3, 2017. No official report was made.

Motion: Authorize Doc. 5634D in cycle 3, 2017

By / 2nd: Jongho Chong (Samsung Display)/ Kyungjin Kang (LG Electronics)

Discussion: None

Vote: 5-0, motion carried

5.3 Transparent Display Task Force

5.3.1 Dongyu Lee (LG Display) accepted to be a co-leader of the TF. He will be appointed officially in the next meeting.

5.3.2 Jongseo Lee requested committee to withdraw SNARF 5337 (New Standard, Test Method for Optical Characteristic of Transparent Displays) and it approved.

Motion: Withdraw SNARF 5337 (New Standard, Test Method for Optical Characteristic of Transparent Displays)

By / 2nd: Jongho Chong (Samsung Display)/ Jaehong Kim (LG Display)

Discussion: None

Vote: 5-0, motion carried

[Type here]

6 Old Business

None

7 New Business

None

8 Action Item Review

None

9 Next Meeting and Adjournment

The next meeting of the Korea FPD Metrology chapter is scheduled for Friday, May 12, 2017 at SEMI Korea office, Seoul, Korea