

Korea FPD Metrology Committee Meeting Summary and Minutes

Friday, Sept 26, 2014 14:00 – 16:00
K2 Site, Samsung Electronics, Young-in si, Gyeonggi-do, Korea

Next Committee Meeting

Friday Feb 6, 2015 14:00 – 16:00 <KST>
SEMI Korea office, Seoul, Korea

Committee Announcements

None

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 Electronics | Lee | Myongyoung | Samsung Display | Lee | Jongseo |
| Samsung Display | Chong | Jongho | | | |

Table 2 Leadership Changes

None

Table 3 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> |
|-------------------|--|-------------------------|
| 5634A | New Standard, Test Method for Color Reproduction and Perceptual Contrast of Displays | Passed |

Table 4 Authorized Ballots

| <i>#</i> | <i>When</i> | <i>SC/TF/WG</i> | <i>Details</i> |
|----------|---------------|-----------------------------|---|
| 5633C | Cycle 8, 2014 | Perceptual Viewing Angel TF | New Standard, Test Method for Viewing Angle Characteristic using Mixed Color on Visual Displays |
| 5337 | Cycle 8, 2014 | Transparent Display | New Standard: Test Method for Optical Characteristics of Transparent Display |

Table 5 Authorized Activities

None

Table 6 New Action Items

None

Table 7 Previous Meeting Actions Items

None

1 Welcome, Reminders, and Introductions

Jongseo Lee (Samsung Display) 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: 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: Jongho Chong (Samsung Display)/ Myongyoung Lee (LG Electronics)

Discussion: None

Vote: 2-0, 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:

- Ballot Review Result
 - **Passed** Ballot
 - Doc. 5685, Line Item Revision to SEMI D31-0213, with title change from "Definition of Measurement Index (DSEMU) for Luminance Mura in FPD Image Quality Inspection" to "Guide for Definition of Measurement Index (DSEMU) for Luminance Mura in FPD Image Quality Inspection".
- Next Meeting: October 30, 2014 during Japan Standards Fall 2014 Meetings at SEMI Japan, Tokyo, Japan

Attachment: 03, Japan FPD Metrology committee liaison report

3.2 Taiwan FPD Committee

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

- Ballot Review Result
 - **Passed** Ballots
 - Doc. 5293C, New Standard, New Test Method for Positional Accuracy of Touch Screen Panel
 - Doc. 5533A, New Standard, Test Methods for Color Properties of Electronic Paper Display
 - * Doc. 5533A also passed A&R review on June 17, 2014.
- Task force reports
 - Flexible Display task force is coordinating with Japan Flexible Display Task Force for:
 - Test Methods of Gas Barrier Performance for Flexible Display Devices
 - Doc. 5551, New Standard, Measurement Method for Water Vapor Transmission Rate for Plastic Films and Sheets with High Barrier Properties for Electronic Devices
- Next Meetings:

- TBD (Pending ballot status).

Attachment: 04, Taiwan FPD committee liaison report

3.3 SEMI Staff Report

Natalie Shim gave the SEMI Staff Report. Of note:

- Global 2014 Calendar of Events
 - SEMI Advanced Semiconductor Manufacturing Conference (May 19-21, Saratoga Springs, New York)
 - SEMICON West (July 8- 10, San Francisco, California)
 - SEMICON Taiwan (September 3-5, Taipei)
 - SEMICON Europa (October 7-9, Grenoble, France)
 - SEMICON Japan (December 3-5, Tokyo)
- Critical Dates update
 - 2014 Critical dates is introduced. It also can be found at SEMI website (www.semi.org/en/Standards/P_000788)
- Request from Regulation Sub-committee to Korea FPD Committee
 - Regulation Sub-committee raised organization structure inconsistency issue between global TC and Korea FPD Committee.
 - SEMI Staff explains the history of SEMI FPD related committees and pointed out there's no FPD Committee in global technical committee list.
 - The meeting attendees including Jongseo Lee, co-chair, confirmed that Korea FPD Committee has same charter and scope with FPD Materials & Components committee.
 - As a result of the discussion, Korea FPD Committee co-chair and members decided to change its name to FPD Materials & Components Korea TC Chapter as of Sept 26, 2014.

Attachment: 05, SEMI Staff report

4 Ballot Review

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.

NOTE 1: Committee adjudication on Cycle 5 is detailed in the Audits & Reviews (A&R) Subcommittee Forms for procedural review. This A&R form is available as attachments to these minutes. The attachment number for each document is provided below the summary table.

4.1 Cycle 5 Ballot

| <i>Document #</i> | <i>Document Title</i> | <i>Committee Action</i> |
|-------------------|---|---|
| 5634A | New Standard, Test Method for Color Reproduction and Perceptual Contrast of Displays | Passed committee review |
| 5633B | New Standard, Test Method for Viewing Angle Characteristic using Mixed Color on Visual Displays | Failed and sent to TF for rework |

Attachment: 06, 5634A A&R_Passed

07, 5633B A&R_Failed

NOTICE: This document met the 90% approval condition set forth in Section 9.6.3 of the *Regulations Governing SEMI Standards Committees* at the close of balloting.

NOTICE: This document did NOT meet the 90% approval condition set forth in Section 9.6.3 of the *Regulations Governing SEMI Standards Committees* at the close of balloting.

5 Subcommittee & Task Force Reports

5.1 Perceptual Viewing Angle Task Force

Myoungyoung Lee, The task force leader, reported Doc. 5633B ballot result. The author requested to fail the ballot to the committee and the committee accepted it. No official report was made.

Motion: Fail the Doc. 5633B and authorize the Doc. 5633C for cycle 8, 2014

By / 2nd: Myoungyoung Lee (LG Electronics)/ Jongho Chong (Samsung Display)

Discussion: None

Vote: 2-0, motion carried

5.2 Perceptual Image Quality Task Force

Jongho Chong, The task force leader, reported that Doc. 5634A failed in A&R review process in June of 2014. He shared his rework status with committee members and requested SNARF title change and Doc 5634A in cycle 5.

Motion: Pass the Doc. 5634A and submit it to A&R review.

By / 2nd: Jongho Chong (Samsung Display)/ Myoungyoung Lee (LG Electronics)

Discussion: None

Vote: 2-0, motion carried

5.3 Transparent Display Task Force

Jongseo Lee, the task force leader, reported that he wants to submit the ballot in cycle 8, 2014.

Motion: Authorize the Doc. 5337 for cycle 8, 2014

By / 2nd: Myoungyoung Lee (LG Electronics)/ Jongho Chong (Samsung Display)

Discussion: None

Vote: 2-0, motion carried

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, February 6, 2015 at SEMI Korea office, Seoul, Korea

Respectfully submitted by:
 Natalie Shim
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 SEMI Korea
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 Email: eshim@semi.org

Minutes approved by:

| | |
|---|-----------------|
| Jongseo Lee (Samsung Display), Co-chair | <Date approved> |
| Il-Ho Kim (LMS), Co-chair | <Date approved> |

Table 8 Index of Available Attachments #1

| # | <i>Title</i> | # | <i>Title</i> |
|----|--|----|-------------------------------------|
| 01 | Meeting reminders | 04 | Taiwan FPD committee liaison report |
| 02 | previous meeting minutes | 05 | SEMI Staff report |
| 03 | Japan FPD Metrology committee liaison report | 06 | 5633A A&R_Failed |

#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.