

Korea FPD Metrology Committee Meeting Summary and Minutes

14:00 – 17:00, Friday, July 25, 2013
#4205, SEMI Korea office, Seoul

Next Committee Meeting

Friday November 7, 2013, 15:00 – 17:00 <KST>
SEMI Korea Office, Seoul

Committee Announcements

The committee restructured the organization chart. For the details please refer www.semi.org/standards

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

<i>Group</i>	<i>Previous Leader</i>	<i>New Leader</i>
Perceptual Viewing Angle Task Force	None (*newly formed)	Myongyoung Lee (LG Electronics)
Perceptual Image Quality Task Force	None (*newly formed)	Jongho Chong (Samsung Display)
Transparent Display Task Fore	None (*newly formed)	Jongseo Lee (Samsung Display)
Optical Characteristics Measurement Task Force	Jongseo Lee (Samsung Display)	None (*disbanded)
Color Assessment Task Force	Myongyoung Lee (LG Electronics) Jongho Chong (Samsung Display) Don-Gyou Lee (LG Display)	None (*disbanded)

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>
*Cycle 4		
4571I	New Standard, Test Method of PDP Tone and Color Reproduction	Failed and send to task force for rework

Table 4 Authorized Ballots

<i>#</i>	<i>When</i>	<i>SC/TF/WG</i>	<i>Details</i>
4571J	Cycle 6, 2013	Tone and Color TF	New Standard, Test Method of PDP Tone and Color Reproduction

Table 5 Authorized Activities

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
	TFOF	Perceptual Viewing Angle Task Force	New task force

Table 5 Authorized Activities

#	Type	SC/TF/WG	Details
			<p>Charter: To develop the technical standards for measuring perceptual viewing angle characteristic using mixed color of visual displays.</p> <p>Scope: The Task Force will focus on developing test methods for color characteristics of: Viewing Angle/ Mixed Color</p>
	TFOF	Perceptual Image Quality Task Force	<p>New task force</p> <p>Charter: To develop the technical standards for measuring perceptual color characteristic visual displays.</p> <p>Scope: The Task Force will focus on developing test methods for color characteristics of: Color Gamut/ Contrast Ratio</p>
	TFOF	Transparent Display Task Force	<p>New task force</p> <p>Charter: To develop the technical standards for measuring optical characteristics of transparent display</p> <p>Scope: The Task Force will focus on developing test methods for color characteristics of: Transparency/ Contrast Ratio/ Color</p>
	SNARF	Perceptual Viewing Angle TF	Test Method for Viewing Angle Characteristic using Mixed Color on Visual Displays
	SNARF	Perceptual Image Quality TF	Test Method for Color Reproduction and Perceptual Contrast of visual displays
5332	SNARF	Transparent Display TF	5332 (New Standard: Test Method for Optical Characteristics of Transparent Display) under Optical Characteristic Measurement TF moves to the Transparent Display TF because Optical Characteristic Measurement TF was disbanded.

Table 6 New Action Items

None

Table 7 Previous Meeting Actions Items

Item #	Assigned to	Details	Status
2013FEB-01	Natalie Shim	Check Doc.# 5292 development status and forward it to the committee members.	Closed
2013FEB-02	Natalie Shim	Distribute Doc.#5291A to the committee members.	Closed

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, SEMI Standards Required Meeting Elements

2 Review of Previous Meeting Minutes

The committee reviewed the minutes of the previous meeting held April 25.

Motion: Approve previous meeting minutes with editorial changes

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

Discussion: None

Vote: 2-0, motion carried

Attachment: 02, Korea FPD Metrology previous meeting minutes

3 Liaison Reports

3.1 Japan FPD Metrology Committee

Natalie Shim presented the Japan FPD Metrology Committee report. Of note:

- D31 Revision task force completed D31 revision activity. The task force will be disbanded after D31 translation task.
- Next meeting: September or October, 2013 during Japan Standards Fall Meetings at SEMI Japan Office, Tokyo

Attachment: 03, Japan FPD Metrology Committee Liaison Report

3.2 Taiwan FPD Committee

Natalie Shim presented the Taiwan FPD Committee report. Of note:

- Color Break Up TF and MURA TF were terminated on June 28, 2013
- Upcoming ballots to be reviewed at next Taiwan FPD Meeting
 - #4764D, Test Method of FPD-Based Stereoscopic Display with Passive Glasses.
 - #4765B, Test Method of FPD-Based Stereoscopic Display with Active Glasses.
 - #529C, Test Method of Ambient Color Gamut for FPD under Indoor Environments.
- Flexible TF finalized 2 standardization topics for future work; bending and optical.
- Next meetings: September 20 at ITRI Office, Hsinchu, Taiwan

Attachment: 04, Taiwan FPD Committee Liaison Report

3.3 SEMI Staff Report

Natalie Shim gave the SEMI Staff Report. Of note:

- Current SEMI Standards Highlights
 - Seventeen 450mm-related Standards published, 14 more in progress.

- Five 3D-IC Standards published.
- 49 PV Standards published.
- Two HB-LED Standards published.
- Global Calendar of Events
 - SEMICON Taiwan (September 4-6, 2013 at Taipei)
 - SEMICON Europe (October 8-10, 2013 at Dresden, Germany)
 - SEMICON Japan (December 4-6, 2013, Chiba)
 - SEMICON Korea (February 12-14, 2013, Seoul)
- 2013 Critical Dates update
 - Cycle 5 (Ballot submission by July 18, voting period: July 29 – August 28)
 - Cycle 6 (Ballot submission by August 15, voting period: August 29 – September 30)
 - Cycle 8 (Ballot submission by October 16, voting period: October 23 – November 22)
 - ISC approved cycle 8 creation on July 11 at SEMICON West 2013.
- SEMI Standards Publications (June 2013 cycle)
 - New Standards: 10
 - Revised Standards: 2
 - Reapproved Standards: 4
 - Withdrawn Standards: 0
 - Total SEMI Standards in portfolio: 887 (Includes 94 Inactive Standards)

Attachment: 05, 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 4 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 4 Ballot

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
4571I	New Standard, Test Method of PDP Tone and Color Reproduction	Failed and sent to TF for rework.

Attachment: 06, 4571I A&R report

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.

5 Subcommittee & Task Force Reports

5.1 Tone and Color task force

The task force leader, Kyungjin Kang, reported 4571I ballot result via e-mail and requested to the committee to fail 4571I. The committee accepted his request and approved 4571J ballot for cycle 6, 2013.

Motion: Fail 4571I and approve 4571J for cycle 6, 2013.

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

Discussion:None

Vote: 2-0, Motion Carried

6 Old Business

None

7 New Business

The committee restructuring its organization chart to reflect current FPD market and technology trends.

Motion: Approve below TFOFs, SNARFs

- Perceptual Viewing Angle TF.
- Perceptual Image Quality TF.
- Transparent Display TF.
- SNARF #5633 Test Method for Viewing Angle Characteristic using Mixed Color on Visual Displays.
- SNARF #5634 Test Method for Color Reproduction and Perceptual Contrast of visual displays.
- Disband Optical Characteristic TF along with related activities.
- Disband Color Assessment TF
- Transfer SNARF #5337 from Optical Characteristic TF to Transparent Display TF.

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

Discussion:None

Vote: 2-0, Motion Carried

8 Action Item Review

8.1 *Open Action Items*

None

8.2 *New Action Items*

None

9 Next Meeting and Adjournment

The next meeting of the Korea I&C committee is scheduled for November 7, 2013 at SEMI Korea office, Seoul



Respectfully submitted by:
 Natalie Shim
 Standards Specialist
 SEMI Korea
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Minutes approved by:

Chul Hong Ahn (SK Hynix), Co-chair	<Date approved>
Kevin Lee (Miracom), Co-chair	<Date approved>
Hyungsu Kim (Samsung SDS), Co-chair	<Date approved>

Table 7 Index of Available Attachments #1

#	Title	#	Title
01	SEMI Standards Required Meeting Elements	04	Taiwan FPD Committee liaison report
02	Korea FPD Metrology previous meeting minutes	05	Staff Report
03	Japan FPD Metrology Committee liaison report	06	457II A&R Report

#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.