



FPD Metrology Taiwan TC Chapter

Meeting Summary and Minutes

Taiwan Winter Standards Meeting 2018
 Friday, December 21, 2018, 15:00 – 16:30 (PDT)
 ITRI Office, Hsinchu, Taiwan

TC Chapter Announcements

Next TC Chapter Meeting
 Friday, April 12, 2019, 15:00 – 16:30
 ITRI Office, Hsinchu, Taiwan

Table 1 Meeting Attendees

Co-Chairs: Jia-Ming Liu (ITRI)

SEMI Staff: Dean Chang / Tiffany Huang

<i>Company</i>	<i>Last</i>	<i>First</i>	<i>Company</i>	<i>Last</i>	<i>First</i>
ITRI	Wen	Chao-Hua	Innolux	Chen	Fu-Cheng
ITRI	Hung	Shao-Tang	Innolux	Chen	Y.E.
ITRI	Liao	S.C.	AUO	Chen	Kevin
NTUST	Sun	Pei-Li	WiseChip	Chen	TeLu

Table 2 Leadership Changes

<i>WG/TF/SC/TC Name</i>	<i>Previous Leader</i>	<i>New Leader</i>
None		

Table 3 Committee Structure Changes

<i>Previous WG/TF/SC Name</i>	<i>New WG/TF/SC Name or Status Change</i>
None	

Table 4 Ballot Results

<i>Document #</i>	<i>Document Title</i>	<i>Committee Action</i>
6302B	Line Item Revision of SEMI D56-0310, TEST METHOD FOR MEASUREMENT FOR AMBIENT CONTRAST OF LIQUID CRYSTAL DISPLAYS	Passed as ballot
6304B	Reapproval of SEMI D58 0310, Terminology And Test Pattern For The Color Breakup Of Field Sequential Color Display	Passed as ballot
6305B	Line Item Revision of SEMI D59-0710, Terminology for 3D Display	Passed as ballot
6306B	Line Item Revision of SEMI D62-0611, Test Method for Measurement of LED Light Bar for Liquid Crystal Displays	Passed as ballot
6307B	Line Item Revision of SEMI D65-1011, Test Method for Measurement for the Color Breakup of Field Sequential Color Display	Passed as ballot
6308B	Line Item Revision of SEMI D68-0512, Test Method for Optical Properties of Electronic Paper Displays	Passed as ballot

#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

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
None			

Table 6 Authorized Activities

Listing of all revised or new SNARF(s) approved by the Originating TC Chapter.

<i>#</i>	<i>Type</i>	<i>SC/TF/WG</i>	<i>Details</i>
None			

#1 SNARFs and TFOFs are available for review on the SEMI Web site at:

<http://downloads.semi.org/web/wstdsbal.nsf/TFOFSNARF>

Table 7 Authorized Ballots

<i>#</i>	<i>When</i>	<i>TF</i>	<i>Details</i>
None			

Table 8 SNARF(s) Granted a One-Year Extension

<i>#</i>	<i>TF</i>	<i>Title</i>	<i>Expiration Date</i>
None			

Table 9 SNARF(s) Abolished

<i>#</i>	<i>TF</i>	<i>Title</i>
6104	Flexible Displays Task Force	New Standard: Practice for Calibrating Automated Optical Inspection System in Front-of-View Foldable OLED Display Devices

Table 10 Standard(s) to receive Inactive Status

<i>Standard Designation</i>	<i>Title</i>
None	

Table 11 New Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
1	Kevin Chen	Will takes charge of D69-0314 “New Standard: Test Method of FPD-Based Stereoscopic Display with Active Glasses” and D70-0314 “New Standard: Test Method of FPD-Based Stereoscopic Display with Passive Glasses” for Five-Year review.
2	Chao-Hua Wen	Will takes charge of D72-1014 “New Standard: Test Methods for Color Properties of Electronic Paper Displays” and D73-1014 “New Standard: Test Methods for Positional Accuracy of Capacitive Touchscreen Panel” for Five-Year review.
3	Dean Chang	Will upload (6302B,6304B,6305B,6306B,6307B,6308B) A&R to Lotus Notes and waiting for the A&R reviews.
4	SEMI Staff	Propose to request standards document D66 for answering the reject comment of Doc5948B.

Table 12 Previous Meeting Action Items

<i>Item #</i>	<i>Assigned to</i>	<i>Details</i>
1	Dean Chang	Inviting Micro-LED PlayNitride to be the member.

1 Welcome, Reminders, and Introductions

Committee Co-Chair Jia-Ming Liu (ITRI) called the meeting to order at 15:00. The meeting reminders on antitrust issues, intellectual property issues and holding meetings with international attendance were reviewed. Attendees introduced themselves.

Attachment: Meeting Reminder_2018

2 Review of Previous Meeting Minutes

The TC Chapter reviewed the minutes of the previous meeting.

Motion: Approve previous meeting minute

By / 2nd: Pei-Li Sun (NTUST) / Fu-Cheng Chen (Innolux)

Discussion: After review, all TC members agreed to approve it

Vote: 8-0 in favor. Motion passed

Attachment: 20181005_FPD Meeting Minutes

3 Liaison Reports

3.1 FPD JP TC Chapter

3.1.1 Dean Chang (SEMI Staff) reported for the FPD JP TC Chapter. Of note:

Action Item:

- Current Committee Structure
 - D31 Revision TF is discharged.
- Next meeting will be held spring, 2019 (tentative)
- Task Force Updates
 - D31 Revision Task Force
 - Doc.6101, 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
 - The TC Chapter approved the TF’s discharge at the meeting on May 28, 2018

Attachment: 20181218_JA_FPD_Met_LiaisonReport_v1

3.2 FPD KR TC Chapter

3.2.1 Dean Chang (SEMI Staff) reported for the FPD KR TC Chapter. Of note:

Action Item:

- Next meeting will be held on November 9, 2018 in Gyeonggi-do, Korea
- Leadership Changes
 - Jongho Chong (Samsung Display) and Kyungjin Kang (LG Electronics) are new leaders
- Current Committee Structure
 - Transparent Display TF is disbanded
- Ballot Results
 - 6351A is failed

Attachment: KR_FPDM_2018_Sept_r1

3.3 SEMI Staff Report

Dean Chang (SEMI Staff) gave the SEMI Staff Report. Of note:

Action Item:

- SEMI Global 2018 Calendar of Events
- SEMI Global 2019 Calendar of Events
- 2018 Critical Dates for SEMI Standards Ballots
- 2019 Critical Dates for SEMI Standards Ballots
- FPD ballot results of Cycle 8-18

4 Ballot Review

Doc #	Document Title	TC Chapter Action
6302B	Line Item Revision of SEMI D56-0310, TEST METHOD FOR MEASUREMENT FOR AMBIENT CONTRAST OF LIQUID CRYSTAL DISPLAYS	Passed as balloted
6304B	Reapproval of SEMI D58-0310, Terminology And Test Pattern For The Color Breakup Of Field Sequential Color Display	Passed as balloted
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6308B	Line Item Revision of SEMI D68-0512, Test Method for Optical Properties of Electronic Paper Displays	Passed as balloted

5 Task Force Reports

5.1 Flexible Displays Task Force

- Doc.6104 “New Standard: Practice for Calibrating Automated Optical Inspection System in Front-of-View Foldable OLED Display Devices” was decided to abolish.
- Continue to draft doc5949B “New Standard: TEST METHOD FOR LOCAL AND OVERALL FLICKER OF FLEXIBLE DISPLAYS”.
- Propose to request standards document D66 for answering the reject comment of Doc5948B.

Attachment: [SEMI-TW FPD-FlexDisp_20181221_v1](#)

5.2 Transparent Display Task Force

- Doc.6201 “New Standard: Guide for Tone Reproduction Curves for Transparent Displays” is continue to drafting.

6 Old Business

6.1 Dean will invite Micro-LED PlayNitride to be the member.

7 New Business

7.1 Kevin Chen will takes charge of D69-0314 “New Standard: Test Method of FPD-Based Stereoscopic Display with Active Glasses” and D70-0314 “New Standard: Test Method of FPD-Based Stereoscopic Display with Passive Glasses” for Five-Year review.

7.2 Chao-Hua Wen will takes charge of D72-1014 “New Standard: Test Methods for Color Properties of Electronic Paper Displays” and D73-1014 “New Standard: Test Methods for Positional Accuracy of Capacitive Touchscreen Panel” for Five-Year review.

7.3 Dean will upload (6302B,6304B,6305B,6306B,6307B,6308B) A&R to Lotus Notes and waiting for the A&R reviews.



7.4 SEMI Staff will request standards document D66 to Chao-Hua Wen for answering the reject comment of Doc5948B.

8 Next Meeting and Adjournment

The next meeting is scheduled for April 12, 2019 at ITRI Office. See <http://www.semi.org/standards-events> for the current list of events.

Adjournment was at 16:30.

Respectfully submitted by:

Dean Chang

Senior Executive Consultant

SEMI Taiwan

Phone: 886-3-560-1777 #801

Email: dchang@semi.org

Minutes tentatively approved by:

Mike Yao (ITRI), Co-chair	2019.04.12
<Name> (<Company>), Co-chair	<Date approved>

Table 13 Index of Available Attachments^{#1}

<i>Title</i>	<i>Title</i>
1_Meeting Reminder_2018	3.2_KR_FPDM_2018_Sept_r1
2_20181005_FPD Meeting Minutes	3.3_FPD TC Staff Report_20181221
3.1_20181218_JA_FPD_Met_LiaisonReport_v1	5.1_SEMI-TW FPD-FlexDisp_20181221_v1

#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.