

# Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **Korea**

Global Technical Committee: **FPD Metrology**

TC Chapter Cochairs: **Kyungjin Kang / LG Electronics, Jongho Chog / KwangWoon University**

Standards Staff: **Natalie Shim**

	Scheduled in Background Statement	Actual
Date	03/12/2021	03/26/2021
Location	SEMI Korea, Seoul, Korea	SEMI Korea, Seoul, Korea and OVTCCM
Reason for Change of Date and/or Location (if changed)	Force majeure caused by the corona virus.	

Note: See Regulations ¶ 9.5 Exceptions for allowable reason to change.

## I. Document Number and Title

Document Number	Document Title
6614C	New Standard, Test Method for Dimming Property for Flat Panel Displays

## II. Tally

Standards staff to fill in.

Voting Tally: **As-cast tally after close of voting period**

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (Regulations ¶ 9.6.2.1.1)

Voting Tally:

Voting Interest:	Returned Votes	Distribution	Return Rate	
Letter Ballot	30	÷ 47	= 63.8%	≥60%
Intercommittee Ballot	0			
Voting Interest Reject(s)	1	Total Voters with Rejects		1
Voting Interest Accept(s)	28			

Note: See Regulations § 3.2.1 for definition of Voting Interest.

### III. Rejects

#### Voting Interest Reject 1 (Voting Interest Name: Sony)

#### Voter Reject 1 (Voter: Satoshi Tomioka / Sony)

#### Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 7.1.2 and Table 1	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. 'Consistency' is not appropriate for what equation 2 represents. This should be changed back to variation as in the previous draft, 6614B.	
TF input (optional)			
Withdrawal (check one)		<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. <b>GO TO "Related" subsection</b>
		<input type="checkbox"/>	Withdrawal document received by Standards staff on MM/DD/YYYY. <b>GO TO "Final" subsection → (A)</b>
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.) <b>GO TO "Persuasive" subsection</b>
		<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)
	Reason	XXXX	
	Motion by/ 2 <sup>nd</sup> by	Name (Company) / Name (Company)	
	Discussion		
Result of Vote (check one)	XX Y – XX N; Motion passed/failed		
	<input type="checkbox"/>	[Negative is not related.] < 2/3	<b>GO TO "Persuasive" subsection</b>
	<input type="checkbox"/>	2/3 ≤ [Negative is not related.]	<b>GO TO "Final" subsection → (A)</b>
Persuasive	Motion and Reason (check one)	<input type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)
		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)
	Reason	Dimming Consistency is conceptual definition. the statistical definition of Variation is max-min, which is different from the mathematical definition of the document I proposed. If modified to Dimming variation, it is expected to cause confusion.  "Dimming Consistency" is more reasonable than "Dimming Variation" as defined conceptually.	
Motion by/ 2 <sup>nd</sup> by	Jae Hong Kim (LG Display) / Kyung Jin Kang (LG Electronics)		

	<b>Discussion</b>	None				
		5 Y-0 N; Motion passed.				
	<b>Result of Vote (check one)</b>	<input type="checkbox"/>	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input type="checkbox"/> Y	GO TO "Address by Technical Change Option" subsection
		<input type="checkbox"/>	[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/> N	GO TO "Final" subsection → (E)
		<input type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)		
		<input checked="" type="checkbox"/>	90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection		
<b>Not Significant Finding Option</b>	This option can be used only "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (Regulations ¶9.6.1.4.5.2)					
	<b>Use of "Not significant finding option" (check one)</b>	<input checked="" type="checkbox"/>	It is mutually agreed upon to term the Negative "not significant".	GO TO "Final" subsection → (D)		
		<input type="checkbox"/>	It is mutually agreed upon to term the Negative "significant".	GO TO "Final" subsection → (C)		
		<input type="checkbox"/>	Whether or not the Negative is "not significant" is decided by a vote.			
	<b>Motion</b>	The Negative is "not significant".				
<b>Motion by/ 2<sup>nd</sup> by</b>	Name (Company) / Name (Company)					
	<b>Vote</b>	<input type="checkbox"/>	XX Y-XX N; Motion passed with simple majority	GO TO "Final" subsection → (D)		
		<input type="checkbox"/>	XX Y-XX N; Motion failed with simple majority	GO TO "Final" subsection → (C)		
<b>Final</b>	<b>(check if applicable)</b>	<input type="checkbox"/>	(A)	Withdrawn (counted under h in disposition)		
		<input type="checkbox"/>	(B)	Not related (counted under i in disposition)		
		<input type="checkbox"/>	(C)	Related and not persuasive (significant)		
		<input checked="" type="checkbox"/>	(D)	Not significant (counted under j in disposition)		
		<input type="checkbox"/>	(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS	
	<input type="checkbox"/>	(F)	Addressed by technical change (counted under k disposition)			
	<b>(check if applicable)</b>	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.			

This table is needed for each Negative.

### Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

1	Original number (#) of Negatives	(g)
0	Number of Negatives withdrawn	(h)
0	Number of Negatives found not related	(i)
1	Number of Negatives found not significant	(j)
0	Number of Negatives addressed by technical change (Negative becomes not significant)	(k)

Final	X	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. <i>Approval Conditions Check</i>
		$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. <i>Approval Conditions Check</i>
		Reject without a Negative	Not Valid

#### IV. Other Technical Issues

None

#### V. Comments

##### V- (i) Voters' Comments

##### Commenter 1 (Rafael Vargas-Bernal/ ITSdl) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	5.2.1.3, 5.5.1.1, 5.5.1.2, 5.5.1.3, 5.5.1.4, Table 1 emphasize technical variables using italic fonts.	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
		Already addressed by Commenter #, Comment #
	X	No further action was taken by the TC Chapter.
		Refer to the TF for more consideration.
		New Business
	Editorial Change	

*This table is needed for each Comment accompanied a Vote*

#### VI. Editorial Changes Other than Those Voted on in § V

None

#### VII. Approval Conditions Check

##### VII. - (i). Approval Rate

**APPROVAL CONDITION 1:** All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change. (*Regulations ¶ 9.6.2.1.2*)

**APPROVAL CONDITION 2:** At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations ¶ 9.6.2.1.3*)

Note: If both approval conditions are not satisfied, the Document fails.

		Accepts		(Accepts + Valid Rejects)					
Approval Rate	=	28	/	28	=	100.0%		≥90%	

## VII. – (ii) Approval Level (check one)

Note: See Regulations § 9.6.2 for further information.

### Globally Approved (No Ratification Ballot needed):

The Letter Ballot meets the Letter Ballot approval conditions for the global technical committee.

### Need a Ratification Ballot:

The Letter Ballot meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

## VIII. Safety Check

Note: See Regulations § 15 for further information.

Motion	<input checked="" type="checkbox"/>	<b>This is not a Safety Document</b> , when all safety-related information is removed, the Document is still technically sound and complete. ( <i>Regulations ¶ 8.7.1</i> )
	<input type="checkbox"/>	<b>This is a Safety Document</b> , when all safety-related information is removed, the Document is not technically sound and complete. ( <i>Regulations ¶ 8.7.2</i> )
	<input type="checkbox"/>	Safety Checklist ( <i>Regulations ¶ 15.3</i> ) is complete and has been included with the Document throughout the balloting process. ( <i>Regulations ¶ 15.1.2</i> )
<b>Motion by/2<sup>nd</sup> by</b>		Jae Hong Kim (LG Display) / Kyung Jin Kang (LG Electronics)
<b>Discussion</b>		None
<b>Vote</b>		6 Y- 0 N; Motion passed.

## IX. Intellectual Property (IP) Check

**Note: This Letter Ballot may cover all or part of a Standard or Safety Guideline. Regardless of the coverage, this IP check applies to the entire Standard or Safety Guideline\*. See Regulations § 16 for further information.**

<b>X</b>	The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see <i>Regulations</i> ¶ 16.3.1.1) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations</i> ¶ 16.4.1.2) in the Standard or Safety Guideline. (Also see, <i>Regulations</i> § 8.8)			
<b>X</b>	The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.)	<b>GO TO SECTION X.</b>		
	The question is answered in affirmative	Is any of the known IPs a patented technology?	<b>Yes, at least one of them is a patented technology</b>	<b>GO TO IX (a) “Patented Technology” subsection</b>
			<b>No</b>	<b>GO TO IX (b) “Copyright items” subsection</b>

## X. Action for This Document

<b>Motion</b>	<b>X</b>	This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
		This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
		This Document passed TC Chapter review with technical changes and with or without editorial changes and will be forwarded to the ISC A&R SC for procedural review. A Ratification Ballot will be issued to verify the technical changes.
		This Document failed TC Chapter review and will be returned to the TF for rework.
		This Document failed TC Chapter review and work will be discontinued.
<b>Motion by/ 2<sup>nd</sup> by</b>		Jae Hong Kim (LG Display) / Kyung Jin Kang (LG Electronics)
<b>Discussion</b>		None
<b>Vote</b>		6 Y- 0 N
<b>Final Action</b>		<b>X</b> Motion passed

**Note: If the use of PMPT or copyrighted item is justified by the TC Chapter, LOA or release form must be received before publication can proceed.**