

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **Korea**

Global Technical Committee: **FPD Metrology**

TC Chapter Cochairs: **Jongseo Lee/ Samsung Display, Il-Ho Kim/ LMS**

Standards Staff: **Natalie Shim**

	Scheduled in Background Statement	Actual
Date	05/12/2017	05/12/2017
Location	SEMI Korea Office	SEMI Korea Office
Reason for Change of Date and/or Location (if changed)		

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

I. Document Number and Title

Document Number	Document Title
5634D	New Standard, Test Method for Color Reproduction and Perceptual Contrast of 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* ¶ 9.7.1.1)

Voting Tally (with example values):

Voting Interest:	Returned Votes	Distribution	Return Rate	
Letter Ballot	21	÷ 35	= 60.0%	≥60%
Intercommittee Ballot	11			
Voting Interest Reject(s)	3	Total Voters with Rejects		3
Voting Interest Accept(s)	18			

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: Otsuka)

Voter Reject 1 (Voter: Akira Kawaguchi / Otsuka)

Negative 1

	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		All	
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.	
		<p>This document aims to make an appropriate and advanced evaluation on the high quality characteristics of digital TV. However, it can not be judged whether advanced evaluation is possible for the following reasons.</p> <p>1.Measurement under darkroom condition ·An integrating sphere is unnecessary for accurate measurement in the dark room condition. In this case, an example of the arrangement diagram of the optical system of the LMD including the mask or stray-light-elimination tube(7.1.2 NOTE1) is necessary.</p> <p>2.Measurement under ambient illuminations ·When using diffuse illumination, an example of an optical system including LMD is necessary · When using direct illumination(8.1) , an example of an optical system is necessary. · It is not shown that the Window Size specified in this draft conforms to Stimulus (2 °) and Background (~ 10 °) defined by CIECAM02.</p>	
TF input (optional)			
	Withdrawal (check one)	<input checked="" type="checkbox"/> No Negative withdrawal made by Voter.	GO TO "Related" subsection
		<input type="checkbox"/> Withdrawal document received by Standards staff on MM/DD/YYYY.	GO TO "Final" subsection → (A)
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/> 'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection
		<input type="checkbox"/> Negative is not related. (Needs ≥2/3 votes to pass.)	
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	<p>1. Under turning off light source of the sampling sphere, it is also under dark room condition and it has a mask function and light elimination tube.</p> <p>2. For 2nd comment, an example is described in IEC 62341-6-2 (clause 4.3.1) which explains optical system.</p> <p>Lastly, window size is to match measurement field angle of LMD. It is different from Stimulus and background defined by CIECAM02.</p>

	Motion by/ 2nd by	Jongho Chong (Samsung Display)/ Jae Hong Kim (LG Display)				
	Discussion	None				
	Result of Vote (check one)	3 Y-0 N; Motion passed.				
		<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 checked="" 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		
Not Significant Finding Option	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 ¶ 9.6.4.4.2)					
	Use of "Not significant finding option" (check one)	<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.			
	Motion	The Negative is "not significant".				
	Motion by/ 2nd by	Jongho Chong (Samsung Display)/ Jae Hong Kim (LG Display)				
Vote	<input checked="" type="checkbox"/>	3 Y-0 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)	
Final	(check if applicable)	<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)		
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # .			

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

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations ¶ 9.4.3.3*)

Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations ¶ 9.6.4.4.2*)

Voting Interest Reject 2 (Voting Interest Name: JAD)

Voter Reject 1 (Voter: Watanabe Ryoichi / J-display)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.			
	Negative Text	10 *Original complete Negative text (e.g., issue, justification, suggestion) should be copied. 10.1 and Eq. (3) shall be described in the 9th clause.			
TF input (optional)					
Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GO TO "Related" subsection	
	<input type="checkbox"/>	Withdrawal document received by Standards staff on MM/DD/YYYY.		GO TO "Final" subsection → (A)	
Related (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection	
	<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)			
Motion and Reason (check one)	<input type="checkbox"/>	Reason			
	<input checked="" type="checkbox"/>	Reason	Negative is related and persuasive. (Needs >1/3 votes to pass.) Negative is related and not persuasive. (Needs ≥2/3 votes to pass.) In 9th clause, the real data of color volume is calculated. Clause 10.1 is for the VCRC (which is % unit). Your comment is that I should explain VCRC two times and it is duplication. The transparent display is not included. The reason is that this document is for general (not specific) display devices. So "... except on the transparent display." is mentioned in 2.1.		
Persuasive	Motion by/ 2 nd by	Jongho Chong (Samsung Display)/ Jae Hong Kim (LG Display)			
	Discussion	None			
	Result of Vote (check one)	3 Y-0 N; Motion passed			
	<input type="checkbox"/>	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input type="checkbox"/>	Y
<input type="checkbox"/>	[Negative is related and not persuasive.] < 2/3		<input checked="" 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			
Not Significant	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 ¶ 9.6.4.4.2)				
	<input checked="" type="checkbox"/>	It is mutually agreed upon to term the Negative "not significant".			GO TO "Final" subsection → (D)

	Use of “Not significant finding option” (check one)	<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.		
	Motion	The Negative is “not significant”.			
	Motion by/ 2nd by	Jongho Chong (Samsung Display)/ Jae Hong Kim (LG Display)			
	Vote	<input checked="" type="checkbox"/>	3 Y-0 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)		
Final	(check if applicable)	<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)	
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # .		

Disposition of Voting Interest Reject 2

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

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (Regulations ¶ 9.4.3.3)

Note: A Negative addressed by a technical change is automatically considered to be not significant. (Regulations ¶ 9.6.4.4.2)

Voting Interest Reject 3 (Voting Interest Name: Magnescale)

Voter Reject 1 (Voter: Satoshi.tomioka / Magnescale)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.				
		Scope				
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.				
		"transparent display" is undefined. Because Scope is the most significant in Standard, you shall describe the range adapted to explicitly. For example, transparent display includes a Transmissive LCD panel. However this is the difference in use case, not the device is different.				
TF input (optional)						
Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GO TO "Related" subsection		
	<input type="checkbox"/>	Withdrawal document received by Standards staff on MM/DD/YYYY.		GO TO "Final" subsection → (A)		
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection	
		<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)			
Related	Reason					
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	The transparent display is not included. The reason is that this document is for general (not specific) display devices. So "... except on the transparent display." is mentioned in 2.1.				
	Motion by/ 2 nd by	Jongho Chong (Samsung Display)/ Jae Hong Kim (LG Display)				
	Discussion	None				
	Result of Vote (check one)	3 Y-0 N; Motion passed				
<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 checked="" 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				
Not Significant	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 ¶ 9.6.4.4.2)					
	<input checked="" type="checkbox"/>	It is mutually agreed upon to term the Negative "not significant".			GO TO "Final" subsection → (D)	

	Use of “Not significant finding option” (check one)	<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.		
	Motion	The Negative is “not significant”.			
	Motion by/ 2 nd by	Name (Company)/Name (Company)			
	Vote	<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)		
Final	(check if applicable)	<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)	
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # .		

Negative 2

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. § 6.1.3.3		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. The measuring distance should be set “from 400mm to 500mm”.		
TF input (optional)				
Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO “Related” subsection	
	<input type="checkbox"/>	Withdrawal document received by Standards staff on MM/DD/YYYY.	GO TO “Final” subsection → (A)	
Related	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.)	GO TO “Persuasive” subsection	
	<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)		
	<input type="checkbox"/>	Reason		
Persuasive	<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.)		
	<input type="checkbox"/>	Reason	“The calculated distance should be noted in a report.” is described in 6.1.3.3. Depending on the lens or various conditions, the distance would be closer than 400mm or 500mm.	

	Motion by/ 2nd by	Jongho Chong (Samsung Display)/ Jae Hong Kim (LG Display)				
	Discussion	None				
	Result of Vote (check one)	3 Y-0 N; Motion passed				
		<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 checked="" 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		
Not Significant Finding Option	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 ¶ 9.6.4.4.2)					
	Use of "Not significant finding option" (check one)	<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.			
	Motion	The Negative is "not significant".				
	Motion by/ 2nd by	Jongho Chong (Samsung Display)/ Jae Hong Kim (LG Display)				
Vote	<input type="checkbox"/>	3 Y-0 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)		
Final	(check if applicable)	<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)		
(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # .				

Negative 3

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.
		§ 9
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. "It is not necessary to measure 98 points. There are only 8 times to measure the colors. Detail procedure is described in this document."

TF input (optional)						
Withdrawal (check one)		<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GO TO "Related" subsection	
		<input type="checkbox"/>	Withdrawal document received by Standards staff on MM/DD/YYYY.		GO TO "Final" subsection → (A)	
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection	
		<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)			
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	In 7.1.2, 8 colors for measurement are described (not 98 points). 98 points are the interpolation result and it is described in clause 9.1.1 and 9.1.2.			
	Motion by/ 2 nd by	Jongho Chong (Samsung Display)/ Jae Hong Kim (LG Display)				
	Discussion	None				
	Result of Vote (check one)	3 Y-0 N; Motion passed				
		<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 checked="" 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				
Not Significant Finding Option	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 ¶ 9.6.4.4.2)					
	Use of "Not significant finding option" (check one)	<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)	
		Whether or not the Negative is "not significant" is decided by a vote.				
	Motion	The Negative is "not significant".				
	Motion by/ 2 nd by	Name (Company)/Name (Company)				
Vote	<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)		
Final (check if applicable)	<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)			

	X	(D)	Not significant (counted under j in disposition)	
		(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		(F)	Addressed by technical change (counted under k disposition)	
(check if applicable)		Comment generated. See Section V-(ii) Comment # .		

Disposition of Voting Interest Reject 3

Check only when the Document has not been failed.

3	Original number (#) of Negatives	(g)	
0	Number of Negatives withdrawn	(h)	
0	Number of Negatives found not related	(i)	
3	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. Approval Conditions Check
		$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
		Reject without a Negative	Not Valid

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (Regulations ¶ 9.4.3.3)

Note: A Negative addressed by a technical change is automatically considered to be not significant. (Regulations ¶ 9.6.4.4.2)

IV. Other Technical Issues

Note: TC Chapter may choose to address a technical issue that is not part of a Negative received on a Letter Ballot (i.e., a Comment or a reason not addressed by a Vote response) by handling it as a Negative and finding it related and technically persuasive. The TC Chapter may then fail the Document or address such technical issue by using the procedure defined in *Regulations* § 9.6.4.3 to make a technical change to the Document. (*Regulations* ¶ 9.6.2.4.5)

Technical Issue	Origin	*TF/TC Chapter to choose Comment 1 (Voter: Kyungjin Kang/LG Electronics) / An error was found during the committee meeting			
	Referenced Section/ Paragraph	*TF/TC Chapter to fill in including text in the ballot as appropriate.			
		Figure 2 Title			
Reason	*Original Comment text, if applicable, and problem statement, including justification and suggestion, should be copied.				
	The background color described in Figure 2 title was not match to the one in section 7.1.1				
Handle technical issue identified above as a Negative.					
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.)		GO TO “Persuasive” subsection
		<input type="checkbox"/>	Negative is not related and assigned to TF. (Needs ≥2/3 votes to pass.)		
		<input type="checkbox"/>	Negative is not related and placed on agenda of current TC Chapter meeting as new business. (Needs ≥2/3 votes to pass.)		
			Reason	XXXX	
	Motion by/ 2nd 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		GO TO “Persuasive” subsection	
<input type="checkbox"/>		2/3 ≤ [Negative is not related] and assigned to TF.		GO TO “Final” subsection → (B)	
<input type="checkbox"/>	2/3 ≤ [Negative is not related] and placed on agenda of current TC Chapter meeting as new business.				
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		<input type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
			Reason		
	Motion by/ 2nd by	Kyungjin Kang (LG Electronics)/ Jongho Chong (Samsung Display)			
	Discussion	None			
	Result of Vote (check one)	3 Y-0 N; Motion passed			
<input checked="" type="checkbox"/>		[Negative is related and persuasive.] > 1/3	Is a technical change recommended?	<input checked="" type="checkbox"/> Y	GO TO “Address by Technical Change Option” subsection

[Negative is related and not persuasive.] < 2/3	(check one)	<input type="checkbox"/>	N	GO TO "Final" subsection → (E)
2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)			

Technical Change Recommendations

FROM: Section/Paragraph Figure 2
7.1 Test Patterns and Figure 2

7.1.1 A centered window box occupying 4 ~ 40% of the screen area is used. The 100% intensity (e.g., 255 gray levels in 8 bits) for window box and the 40% intensity (e.g., 102 gray levels in 8 bits) for background are applied. One of the test patterns is shown in Figure 2. Because depending on the window size, the peak luminance would be changed, the window size should be reported.

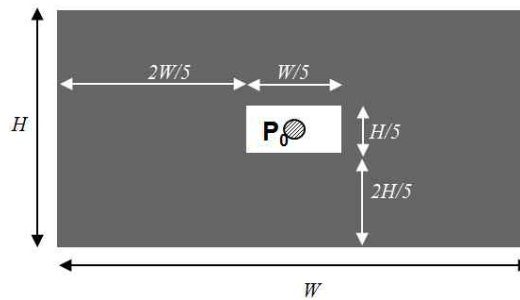


Figure 2
Test Pattern of 4% Window Box with Black Background

TO: Section/Paragraph Figure 2
7.1 Test Patterns and Figure 2

7.1.1 A centered window box occupying 4 ~ 40% of the screen area is used. The 100% intensity (e.g., 255 gray levels in 8 bits) for window box and the 40% intensity (e.g., 102 gray levels in 8 bits) for background are applied. One of the test patterns is shown in Figure 2. Because depending on the window size, the peak luminance would be changed, the window size should be reported.

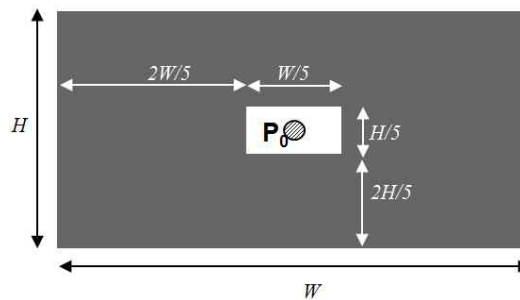


Figure 2
Test Pattern of 4% Window Box with Gray Background

Justification (if necessary)

This is not a negative but an error, which was found during the adjudication process. In section 7.1.1, "gray level" is using as an example of window box. However, the title of Figure 2 states "black background" instead of "gray background". Figure 2 is for describing section 7.1.1.

Motion	Negative is addressed by the technical change(s).
Motion by/2nd by	Kyungjin Kang (LG Electronics)/ Jongho Chong (Samsung Display)
Discussion	None
	3 Y-0 N; Motion passed.

Address by Technical Change Option

Technical Changes

1

Result of Vote (check one)		<input checked="" type="checkbox"/>	2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO “Incorporation of the Technical Change” subsection	
		<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3	GO TO “Final” subsection → (E)	
Incorporation of the Technical Change	Motion	To incorporate the technical change(s).			
	Motion by/2nd by	Kyungjin Kang (LG Electronics)/ Jongho Chong (Samsung Display)			
	Discussion	None			
	Result of Vote (check one)	3 Y-0 N; Motion passed.			
		<input checked="" type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO “Final” subsection → (F)	
<input type="checkbox"/>		[Disagree to incorporate.] >10%	GO TO “Final” subsection → (E)		
Final	(check one)	<input type="checkbox"/>	(B)	Not related	
		<input type="checkbox"/>	(C)	Related and not persuasive	
		<input type="checkbox"/>	(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		<input checked="" type="checkbox"/>	(F)	Addressed by technical change	
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # .		

V. Comments

None

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

Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.

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* ¶ 9.7.1.2)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations* ¶ 9.7.1.3)

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

Approval Rate	=	18	/	18	=	100.0%		≥90%	

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

Note: See *Regulations § 9.7.2* for further information.

	<p>Globally Approved (No Ratification Ballot needed): The Letter Ballot meets the Letter Ballot approval conditions for the global technical committee.</p>
X	<p>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.</p>

VIII. Safety Check

Note: See *Regulations § 15* for further information.

Motion	X	This is not a Safety Document , when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations ¶ 8.7.1</i>)
		This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations ¶ 8.7.2</i>)
		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>)
Motion by/2nd by		Jongho Chong (Samsung Display)/ Jae Hong Kim (LG Display)
Discussion		None
Vote		3Y-0 N; Motion passed.

IX. Intellectual Property (IP) Check

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

X	The TC Chapter meeting chair asked those participating, if they were aware of any potentially material patented technology or copyrighted items* in the Standard or Guideline. (<i>Regulations ¶ 8.8.1</i>)	
X	No potentially material patented technology or reproduction of copyrighted items is known.	GO TO SECTION X.
	Potentially material patented technology or reproduction of copyrighted items is known, but a Letter of Assurance (LOA) or copyright release letter for such items has been obtained or presented to the TC Chapter.	GO TO SECTION X.
	Potentially material patented technology or reproduction of copyrighted items is known and use of such materials is technically justified by the TC Chapter, but an LOA or copyright release letter for some of the item(s) has NOT been obtained or presented to the TC Chapter.	
Motion		Ask ISC for special permission to publish.
		Quit activity.

		Wait for LOA for patented technology or release of copyrighted items.
	Motion by/2nd by	Name (Company)/Name (Company)
	Discussion	XXXX
	Vote	XX Y-XX N
	Final Action	Motion passed
		Motion failed

* Note: Such potentially material patented technology or copyrighted items might have become known since the Standard or Safety Guideline was last reviewed, or might become relevant due to this Letter Ballot.

X. Action for This Document

Motion		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.
	X	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.
	Motion by/2nd by	Jongho Chong (Samsung Display)/ Jae Hong Kim (LG Display)
	Discussion	None
	Vote	3 Y-0 N
	Final Action	X Motion passed
		Motion failed

Standards staff to record the result of the A&R procedural review here:

A&R		Approved for publication
		Approved pending acceptance of the Ratification Ballot
		Not approved
		Reason: