

STANDARDS NEW ACTIVITY REPORT FORM (SNARF)

Date Pre	pared	: <u>2022-03-3</u>	31			Rev	rised (it	f Applicat	ole):			
SNARF f	or: <u>I</u>	_ine item Re	vision to	D61, Test n	nethod of	f percep	otual a	ngle for C	DLED d	isplays		
Originat	ing G	lobal Techn	ical Cor	nmittee: F	lat Panel	Display	y (FPD) - Metrol	logy			
Originat	ing T	C Chapter:	Korea									
Task Fo	rce (T	F) in which	work is	to be carrie	ed out:	Percep	tual im	age qual	ity Tasl	k Force)	
Submitte	ed by	Suyoung K	im, Seur	ngmin Lee		Com	npany:	Samsur	ng Disp	lay		
Email:	cathy:	22.kim@sam	nsung.co	<u>m, sm1108.</u>	.lee@sar	nsung.c	<u>com</u>					
Phone:	82.10	.4068.9973,	82.10.32	222.3419								
Refer to <i>I</i>	Proced	dure Manual	§ 2.2.4 f	for more info	ormation	on prop	erly fill	ing out th	ne SNA	RF.		
displays. 1. U Through be reflect customer b: Estima	0 incluing the rest of the res	udes the mession item recolour volum vision of the ond indicators the ct on industrict on entire in evant sectors	evision, the calcul se two it ept of phat can a	here are two lation metho ems, it is ex erceptual a accurately ev	o items the od, 2. Add pected the ngle of Covaluate Collowing:	at would I measunat the I DLED o	d be churement atest chisplays erceptu	nanged. at item for color volu s will be ual image	perce me calc supple	ptual ar culation emented	ngle n method	lliw b
_		ct on an indu evant sector:	R	tor Relevant to d Iisplay indus		nufactu	ıring, p	icture qu	ality de	velopm	ent of O	LED
-		et on a few co	mpanies		, <u>y</u>							
□ 4: Sligh	nt effe	ct or effect no	ot determ	ninable								
□ I: No Di ■ II: Som	ifficult ne Diff	nnical difficul y – Proven co iculty – Disag	oncepts a	and techniqu	ues exist requirem	or quick ents exi	c agree ist, but	ment is a developi	ng cons	sensus	is possi	ble
		Limited expe Difficult – Ex					_				rv diffici	ult
IV. L∧U	Gillely	Dimount - Ex	yhei iise (una resoult	55 ai 6 366	ai ce aiit	a, or act	neving co	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	43 13 VE	i y dillict	411

1



2. Scope:

a: Describe the technical areas to be covered or addressed by this Document development activity.

(For Subordinate Standards, list common concepts or criteria that the Subordinate Standard inherits from the Primary Standard, as well as differences from the Primary Standard.)

Line item revision - 2 items

Item 1. Update colour volume calculation method: The color volume calculation method of this original document follows the method specified in Section 5.31 of IDMS 1.03, but it is necessary to reflect the contents of 5.32 added in the newly revised IDMS 1.1 version in 2021. As a result, the measurement pattern will be changed, and detail information will be updated.

Item 2. Add measurement item for perceptual angle: In the original document, the perceptual angle is calculated only with the colour volume, but this is not sufficient from a perceptual point of view. In addition to colour volume, the concept of brightness (APB, Average Picture Brightness) will be added to calculate 'Perceptual angle'. APB is calculated according to the existing CIE standards, and its detail logic will be added in the main body.

b: Expected result of activity					
☐ New Standard or Safety Guideline (including	☐ Line-item revision to two or more existing Standards				
replacement of an existing Standard or Safety	or Safety Guidelines				
Guideline)	☐ Reapproval of a Standard or Safety Guideline				
☐ New Subordinate Standard to an existing Standard or	☐ Removal of a Standard or Safety Guideline				
to a new Primary Standard to be developed concurrently with this new Subordinate Standard	☐ Withdrawal of a Standard or Safety Guideline				
☐ New Preliminary Standard	$\hfill \square$ Reinstatement of a Standard or Safety Guideline				
 □ Major revision to an existing Standard or Safety Guideline ■ Line-item revision to an existing Standard or Safety 	☐ Publication of an existing Standard or SafetyGuideline as an American National Standard☐ New Auxiliary Information				
Guideline	☐ Modification of existing Auxiliary Information				
revised. (Check all that apply.) Modification of an existing part of Standard(s) or S	rts of the Standard(s) or Safety Guideline(s) that are to be				
Complementary Files, and Supplementary Materials	. =				
	ntary Files to an existing Standard or Safety Guideline				
☐ Addition of one or more Related Information section Guideline	ns or Various Materials to an existing Standard or Safety				
$\hfill \square$ Revision or addition of one or more Subordinate St	andards to an existing Primary Standard				
For Standards, identify the Standard Subtype be	low:				
☐ Classification	☐ Guide				
□ Practice	☐ Specification				
■ Test Method	☐ Terminology				



☐ Miscellaneous (describe:)	
3. Projected Timetable for Completion:	
a: General Milestones	
a. Activity Start: 03/31/2022	b. 1st Draft by: 04/19/2022
c. (Optional) Informational Ballot by:	d. Letter Ballot by: 04/19/2022
e: TC Chapter Approval By: 03/31/2024	-
4. Liaisons:	
a: List SEMI Global Technical Committees, TC Chapters, Regions/Locales that should be kept informed regarding (Refer to SEMI Standards organization charts and global ted Global FPD Metrology Technical Committee	the progress of this activity.
b: List any planned Type I Liaisons with external nonproducements from Standards staff for feedback during the issued (refer to Procedure Manual § 7).	
c: Intercommittee Ballots (check one):	
☐ will be issued – identify the recipient global technica	l committee(s):
■ will not be issued	
5. Safety Considerations:	
The resulting Document is expected (Check one): ☐ to be a Safety Guideline	
■ NOT to be a Safety Guideline	
NOTE FOR 'to be a Safety Guideline': When all safety-related infor technically sound and complete – Refer to § 15.1 of the <i>Regulation</i> NOTE FOR 'NOT to be a Safety Guideline': When all safety-related technically sound and complete.	s for special procedures to be followed.
6. Intellectual Property Considerations:	
a: For a new Standard or Safety Guideline and for any pa Standards and Safety Guidelines (Check one): ☐ the use of patented technology is NOT required.	ırt to be modified or added in a Revision of published
	he prepared Standard(s) or Sefety Guideline(s)
□ patented technology is intended to be included in t (If the second box is checked, check one):	ie proposeu stanuaru(s) or salety Guideline(s).
□ Letter of Intent received	
□ Letter of Intent not received	
b: For Revision, Reapproval, Reinstatement, or Withdraw (Check one):	val of existing Standard(s) and Safety Guideline(s)
■ there is no known material patented technology ne	cessary to use or implement the Standard(s) and
Safety Guideline(s)	

3



☐ there is previously known material patented technology necessary to use or implement the Standard(s) and Safety Guideline(s)	
c: The body of the Document and any Appendices, Complementary Files, Related Information sections, or Various Materials that may or may not be a part of the Document by reference (Check one):	
□ will incorporate Copyrighted Item	
■ the incorporation of Copyrighted Item will NOT be required	
NOTE FOR 'the use of patented technology or the incorporation of Copyrighted Item(s) is NOT required': If in the course of developing the Document, it is determined that the use of patented technology or Copyrighted Item(s) is necessary for the Document, the provisions of <i>Regulations</i> § 16 must be followed. NOTE FOR 'will incorporate Copyrighted Item': A copyright release letter must be obtained from the copyright owner prior to publication.	
7. Comments, Special Circumstances: 8. TC Member Review (Check one):	
□ took place between (<i>put dates here</i> : MM/DD/YYYY and MM/DD/YYYY) before approval at the TC Chapter Meeting, or	
□ took place between (<i>put dates here:</i> MM/DD/YYYY and MM/DD/YYYY) before approval by the GCS, or is not required for this SNARF. NOTE FOR 'TC Member Review': A TC Member Review is required by the <i>Regulations</i> for a period of at least two weeks before approval of a new, or a major revision of an existing, Standard or Safety Guideline. (Refer to <i>Regulations</i> ¶ 8.2.1)	
9. Approval Dates: TC Chapter or GCS: Recorded in TC Chapter Minutes: 03/31/2022 04/30/2022	

4