

Record of Line-item Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **North America**
 Global Technical Committee: **Silicon Wafer**
 TC Chapter Cochairs: **Dinesh Gupta/STA, Noel Poduje/SMS**
 Standards Staff: **Kevin Nguyen**

	Scheduled in Background Statement	Actual
Date	07/11/2017	07/11/2017
Location	San Francisco Marriott Marquis	San Francisco Marriott Marquis
Reason for Change of Date and/or Location (if changed)		

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

Document Information

I. Document Number, Title, Lists of Line Items

Document Number 6041	Document Title Line Item Revision of M21-1110 Guide For Assigning Addresses To Rectangular Elements In A Cartesian Array
☐ ☐ Line Item 1	Line Item Title Changes to various related sections shown

Line Item 1 Adjudication

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:

Voting Interest:	Returned Votes	Distribution	Return Rate	
Letter Ballot	52	÷ 86	= 60.5%	≥60%
Intercommittee Ballot	31			
Voting Interest Reject(s)	0	Total Voters with Rejects		0
Voting Interest Accept(s)	33			

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

III. Rejects

None

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)

None

V. Comments

V- (i) Voters' Comments

Commenter 1 (Kurt Haller (KLA-Tencor))- Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	Accept with comment Footnote 1 from section section R2 2.4 does not appear at the bottom of page 17, or any other page. The text is: Weisstein, Eric W. 'Floor Function.' From MathWorld A Wolfram Web Resource. http://mathworld.wolfram.com/FloorFunction.html	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #
	<input type="checkbox"/>	No further action was taken by the TC Chapter.
	<input type="checkbox"/>	Refer to the TF for more consideration.
	<input type="checkbox"/>	New Business
<input checked="" type="checkbox"/>	Editorial Change	
		Case 1: No vote in this section:

	Options for editorial change (check one)		To be included and voted on as a group in § VI. <i>Editorial Changes Other than Those Voted on in § V.</i>
	x		Case 2: Voted in this section:
Editorial Changes	1	FROM:	R1-1.1 The general formulas for obtaining the addresses of any element (i_f, j_f) in the First-Quadrant Convention from the addresses (i, j) in the convention covered by this guide are as follows: $i_f = \lfloor m/2 \rfloor + 1 + i$ $j_f = \lfloor n/2 \rfloor + 1 + j$ where $\lfloor x \rfloor$ is Iverson's notation for the floor function which denotes the largest integer less than or equal to x^1 .
		TO:	R1-1.2 The general formulas for obtaining the addresses of any element (i_f, j_f) in the First-Quadrant Convention from the addresses (i, j) in the convention covered by this guide are as follows: $i_f = \lfloor m/2 \rfloor + 1 + i$ $j_f = \lfloor n/2 \rfloor + 1 + j$ where $\lfloor x \rfloor$ is Iverson's notation for the floor function which denotes the largest integer less than or equal to x^1 .
			¹ Weisstein, Eric W. "Floor Function." From MathWorld--A Wolfram Web Resource . http://mathworld.wolfram.com/FloorFunction.html
		Justification (If necessary)	Restore missing footnote, MS Word formatting error.
Motion		To approve above editorial change(s)	
Motion by/2 nd by		Name (Company)/Name (Company)	
Discussion		XXXX	
Vote		XX Y-XX N; Motion passed/failed.	

V-(ii) Comments Created by Handling Negative

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.

See section V(i) above.

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.

		Accepts		(Accepts + Valid Rejects)					
Approval Rate	=	33	/	33	=	100.0%		≥90%	

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

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

Globally Approved (No Ratification Ballot needed):

Line Item 1 meets the Letter Ballot approval conditions for the global technical committee.

Need a Ratification Ballot:

Line Item 1 meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

Checks for Entire Document Including All Approved Line Items

VIII. Safety Check

Note: This Safety check applies to the entire Standard or Safety Guideline including all the approved Line Items. See § 15 of the *Regulations* for further information.

Motion	<input checked="" type="checkbox"/>	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>)
	<input type="checkbox"/>	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>)
	<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>)
Motion by/2 nd by		Tetsuya Nakai (SUMCO)/Kurt Haller (KLA-Tencor)
Discussion		XXXX
Vote		9 Y-0 N; Motion passed

IX. Intellectual Property (IP) Check

Note: This IP check applies to the entire Standard or Safety Guideline including all the approved Line Items. See § 16 of the Regulations 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/2 nd 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 (Check all applicable items)		Line item(s) [X], [X] and [X] passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
	x	Line item(s) [1] passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
		Line item(s) [X], [X] and [X] 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.
		Line item(s) [X], [X] and [X] failed TC Chapter review and will be returned to the TF for rework.
		Line item(s) [X], [X] and [X] failed TC Chapter review and work will be discontinued.
Motion by/ 2 nd by		Kurt Haller (KLA-Tencor)/Fritz Passek (Siltronic)
Discussion		XXXX
Vote		11 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		Line item(s) [X], [X] and [X] are Approved for publication
		Line item(s) [X], [X] and [X] are Approved pending acceptance of the Ratification Ballot
		Line item(s) [X], [X] and [X] are Not approved
	Reason:	