

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **Japan**

Global Technical Committee: **Silicon Wafer**

TC Chapter Cochairs: **Tetsuya Nakai (SUMCO), Naoyuki Kawai (Meiji University), Ryuji Takeda (GWJ)**

Standards Staff: **Mami Nakajo**

	Scheduled in Background Statement	Actual
Date	7/21/2020	01/15/2021
Location	San Francisco, CA	Tokyo, Japan
Reason for Change of Date and/or Location (if changed)	COVID-19 pandemic	

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

I. Document Number and Title

Document Number 6680	Document Title Reapproval of SEMI M77-01015, Test Method for Determining Wafer Near-Edge Geometry Using Roll-Off Amount, ROA
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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	56	÷ 92	= 60.9%	≥60%
Intercommittee Ballot	0			
Voting Interest Reject(s)	0	Total Voters with Rejects		0
Voting Interest Accept(s)	39			

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

III. Rejects

None

IV. Other Technical Issues

V. Comments

V- (i) Voters' Comments

Commenter 1 (Rafael Vargas-Bernal/ Instituto Tecnológico Superior de Irapuato) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	In subsection 4.1, SEMI M70 must say 'Geometry' not 'Geomtry'	
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
	Options for editorial change (check one)	<input type="checkbox"/> Case 1: No vote in this section: To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.
		<input checked="" type="checkbox"/> Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields.
	Editorial Changes	1
TO: Section/Paragraph xxx SEMI M70 — Test Method for Determining Wafer Near-Edge Geomtry Geometry Using partial Wafer Site Flatness		
Justification (If necessary) Type1 Editorial Change		
2		FROM: Section/Paragraph xxx
		TO: Section/Paragraph xxx
		Justification (If necessary)

Motion	To approve above editorial change(s)
Motion by/2nd by	Masanori Yoshise (Wafer Information Service)/ Tetsuya Nakai (SUMCO)
Discussion	None
Vote	7 Y-0 N; Motion passed

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.

None other than 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* ¶ 9.6.2.1.2)

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	=	39	39	=	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"/>	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/2nd by		Masanori Yoshise (Wafer Information Service)/ Tetsuya Nakai (SUMCO)
Discussion		None
Vote		7 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.

X	The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see <i>Regulations ¶ 16.3.1.1</i>) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations ¶ 16.4.1.2</i>) in the Standard or Safety Guideline. (Also see, <i>Regulations § 8.8</i>)								
	The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.)	GO TO SECTION X.							
X	The question is answered in affirmative	Is any of the known IPs a patented technology?	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Yes, at least one of them is a patented technology</td> <td>GO TO IX (a) "Patented Technology" subsection</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>No</td> <td>GO TO IX (b) "Copyright items" subsection</td> </tr> </table>	<input checked="" type="checkbox"/>	Yes, at least one of them is a patented technology	GO TO IX (a) "Patented Technology" subsection	<input type="checkbox"/>	No	GO TO IX (b) "Copyright items" subsection
<input checked="" type="checkbox"/>	Yes, at least one of them is a patented technology	GO TO IX (a) "Patented Technology" subsection							
<input type="checkbox"/>	No	GO TO IX (b) "Copyright items" subsection							

IX(a) Patented Technologies subsection

IX(a1) Total numbers of Patented Technologies to be dealt with

1 Fill number	(l) Known Patented Technology that might be relevant to the Standard/Safety Guideline	0 Fill number	(m) Number of patented technologies first became known to the TC Chapter on or after the day of the issuance of this Letter Ballot	Postpone assessment of such patented technologies to be performed at the next scheduled TC Chapter meeting.
		1 Fill number	(n) Number of patented technologies first became known to the TC Chapter before the day of the issuance of this Letter Ballot	GO TO IX (a2)

IX(a2) Assessment of disclosed patented technologies

Disclosed patented technology #1 (Brief description, e.g., patent title and number):			Date of Assessment (If different from the date of Letter Ballot adjudication) MM/DD/YYYY			
Is disclosed patented technology #1 found to be "might be material" to the Standard/Safety Guideline?	X	YES (It is a PMPT)	Is the use of this PMPT technically justified?	X	YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(a3)
					NO	The Document is failed and returned to the TF
			NO	No further action is needed for patented technology #1		

This table is needed for each disclosed patented technology.

IX(a3) LOA status check of PMPT of which inclusion assessed to be justified

LOA Status of PMPT #1						
Has an LOA for this patented technology been received from every owner ?	X	YES	PROCEED to check NEXT one, or if this is the last one, GO TO IX(b)			
		NO	MOTION		Ask ISC for special permission to publish.	
					Quit activity.	The Document is failed and returned to the TF
					Wait for LOA	PROCEED to check NEXT one, or if this is the last one, GO TO IX(b1)
			Motion by/ 2 nd by		Name (Company)/Name (Company)	
			Discussion		XXXX	
			Vote		XX Y-XX N; Motion passed (or failed)	

This table is needed for each PMPT of which inclusion assessed to be justified.

IX(b1) Total numbers of copyrighted items to be dealt with

0 Fill number	(o) Known copyrighted items that are used or reproduced to the	o > 0	There is at least one known copy righted items that might be relevant to the Standard/Safety Guideline	GO TO IX (b2)
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Standard/Safety Guideline	X	o = 0 There is no disclosed copyrighted item	GO TO IX (c)
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IX(b2) Assessment of disclosed copyrighted items

Disclosed copyrighted item #1 (Brief description of its use in the Document):					
Is disclosed copyrighted item #1 used or reproduced in the Standard/Safety Guideline?	YES	Is the use/reproduction of this copyrighted item technically justified?	YES	YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(b3)
			NO	NO	The Document is failed and returned to the TF
	NO	No further action is needed for copyrighted item #1			

This table is needed for each disclosed copyrighted item.

IX(b3) Copyright release status check of copyrighted item of which inclusion assessed to be justified

Copyright release Status of copyrighted item #1					
Has the copyright release been received from its owner ?.	YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(c)			
	NO	MOTION		Ask ISC for special permission to publish.	
				Quit activity.	The Document is failed and returned to the TF
				Wait for copyright release letter	PROCEED to check NEXT one, or if this is the last one, GO TO IX(c)
			Motion by/ 2nd by	Name (Company)/Name (Company)	
			Discussion	XXXX	
			Vote	XX Y-XX N; Motion passed (or failed)	

This table is needed for each copyrighted item of which use/reproduction assessed to be justified.

IX(c) Assessment of disclosed (identified) trademark

Is there any trademark in the Standard/Safety Guideline?	YES	Is every instance of trademark use technically justified?	YES	YES	GO TO IX(d)
			NO	NO	The Document is failed and returned to the TF
	X	NO	GO TO IX(d)		

IX(d) IP check completion condition check

The co-chair checks if any Patented Technologies first become known to	YES	Sections IX(a2) and IX(a3) shall be completed and recorded for such patented technologies at next scheduled meeting of the TC Chapter. Until then, the
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the TC Chapter on or after the day of the issuance of this Letter Ballot? i.e., m>0 in IX(a1)			TC Chapter shall NOT go to X (making motion to pass/fail this Document) (see <i>Regulations</i> ¶ 16.4.1.2) Until then this Letter Ballot Review is on hold.
	X	NO	GO TO X

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.
	X	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.
Motion by/ 2nd by	Masanori Yoshise (Wafer Information Service)/ Tetsuya Nakai (SUMCO)	
Discussion	None	
Vote	7 Y-0 N	
Final Action	X	Motion passed
		Motion failed

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.