

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 5915	Document Title Line Item Revision to SEMI M1-1016: Specification For Polished Single Crystal Silicon Wafers (To add Illustration of Flatness Metrics for Silicon Wafers)	
List of Line	Line Item 1	Line Item Title To add figures to newly provided Related Information 4 of M1 to illustrate the flatness metrics for silicon wafers and to add Table A1-1 to Appendix 1 with references for the figures added.

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)	1	Total Voters with Rejects		1
Voting Interest Accept(s)	39			

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

III. Rejects

**Voting Interest Reject 1 (Voting Interest Name: Materials & Metrology)
Voter Reject 1 (Voter: Murray Bullis/ Materials & Metrology)**

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
	Negative Text	1. It is not at all clear why the figures are relegated to a separate Relegated Information section (RI-4). I believe these should be included in Appendix 1. *Original complete Negative text (e.g., issue, justification, suggestion) should be copied.		
TF input (optional)				
Withdrawal (check one)	<input 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.)	
		Reason	XXXX	
	Motion by/ 2 nd by	Name (Company)/Name (Company)		
	Discussion			
Result of Vote (check one)	<input type="checkbox"/>	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.]	GO TO "Final" subsection → (B)	
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	XXXX				
Motion by/ 2 nd by	Fritz Passek (Siltronic)/Naoyuki Kawaii (Self)					
Discussion						
Result of Vote (check one)	8 Y-0 N; Motion passed					
	x	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	x	Y	GO TO "Address by Technical Change Option" subsection
		[Negative is related and not persuasive.] < 2/3			N	GO TO "Final" subsection → (E)
		2/3 ≤ [Negative is related and not persuasive.] < 90%				GO TO "Final" subsection → (C)
	90% ≤ [Negative is related and not persuasive.]				GO TO "Not Significant Finding Option" subsection	

Technical Change Recommendations
Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.

Address by Technical Change Option	Technical Changes	1	FROM: Table A1-1 Acronyms for Flatness Measurements																																																
			<table border="1"> <thead> <tr> <th>Acronym</th> <th>Expanded Form of Acronym</th> <th>Reference Figure</th> </tr> </thead> <tbody> <tr> <td>GBIR</td> <td>Global Flatness, Back-surface, Ideal, Range</td> <td>Figure R4-2</td> </tr> <tr> <td>GF3R</td> <td>Global Flatness, Front-surface, 3-point plane, Range</td> <td>Not illustrated</td> </tr> <tr> <td>GF3D</td> <td>Global Flatness, Front-surface, 3-point plane, Deviation</td> <td>Not illustrated</td> </tr> <tr> <td>GFLR</td> <td>Global Flatness, Front-surface, Least-squares fit, Range</td> <td>Figure R4-3</td> </tr> <tr> <td>GFLD</td> <td>Global Flatness, Front-surface, Least-squares fit, Deviation</td> <td>Not illustrated</td> </tr> <tr> <td>SBIR</td> <td>Site Flatness, Back-surface, Ideal, Range</td> <td>Figure R4-6</td> </tr> <tr> <td>SBID</td> <td>Site Flatness, Back-surface, Ideal, Deviation</td> <td>Figure R4-7</td> </tr> <tr> <td>SF3R</td> <td>Site Flatness, Front-surface, 3-point plane (global), Range</td> <td>Not illustrated</td> </tr> <tr> <td>SF3D</td> <td>Site Flatness, Front-surface, 3-point plane (global), Deviation</td> <td>Not illustrated</td> </tr> <tr> <td>SFLR</td> <td>Site Flatness, Front-surface, Least-squares fit (global), Range</td> <td>Not illustrated</td> </tr> <tr> <td>SFLD</td> <td>Site Flatness, Front-surface, Least-squares fit (global),</td> <td>Not illustrated</td> </tr> <tr> <td>SFQR</td> <td>Site Flatness, Front-surface, Least-squares fit (site), Range</td> <td>Figure R4-4</td> </tr> <tr> <td>SFQD</td> <td>Site Flatness, Front-surface, Least-squares fit (site), Deviation</td> <td>Figure R4-5</td> </tr> <tr> <td>SFSR</td> <td>Site Flatness, Front-surface, Least-squares fit (subsite), Range¹⁾</td> <td>Not illustrated</td> </tr> <tr> <td>SFSD</td> <td>Site Flatness, Front-surface, Least-squares fit (subsite), Deviation²⁾</td> <td>Not illustrated</td> </tr> </tbody> </table>	Acronym	Expanded Form of Acronym	Reference Figure	GBIR	Global Flatness, Back-surface, Ideal, Range	Figure R4-2	GF3R	Global Flatness, Front-surface, 3-point plane, Range	Not illustrated	GF3D	Global Flatness, Front-surface, 3-point plane, Deviation	Not illustrated	GFLR	Global Flatness, Front-surface, Least-squares fit, Range	Figure R4-3	GFLD	Global Flatness, Front-surface, Least-squares fit, Deviation	Not illustrated	SBIR	Site Flatness, Back-surface, Ideal, Range	Figure R4-6	SBID	Site Flatness, Back-surface, Ideal, Deviation	Figure R4-7	SF3R	Site Flatness, Front-surface, 3-point plane (global), Range	Not illustrated	SF3D	Site Flatness, Front-surface, 3-point plane (global), Deviation	Not illustrated	SFLR	Site Flatness, Front-surface, Least-squares fit (global), Range	Not illustrated	SFLD	Site Flatness, Front-surface, Least-squares fit (global),	Not illustrated	SFQR	Site Flatness, Front-surface, Least-squares fit (site), Range	Figure R4-4	SFQD	Site Flatness, Front-surface, Least-squares fit (site), Deviation	Figure R4-5	SFSR	Site Flatness, Front-surface, Least-squares fit (subsite), Range ¹⁾	Not illustrated	SFSD	Site Flatness, Front-surface, Least-squares fit (subsite), Deviation ²⁾	Not illustrated
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TO:

Table A1-1 Acronyms for Flatness Measurements

Acronym	Expanded Form of Acronym	Reference Figure
GBIR	Global Flatness, Back-surface, Ideal, Range	Figure R A1-542
GF3R	Global Flatness, Front-surface, 3-point plane, Range	Not illustrated
GF3D	Global Flatness, Front-surface, 3-point plane, Deviation	Not illustrated
GFLR	Global Flatness, Front-surface, Least-squares fit, Range	Figure R A1-643
GFLD	Global Flatness, Front-surface, Least-squares fit, Deviation	Not illustrated
SBIR	Site Flatness, Back-surface, Ideal, Range	Figure R A1-946
SBID	Site Flatness, Back-surface, Ideal, Deviation	Figure R A1-1047
SF3R	Site Flatness, Front-surface, 3-point plane (global), Range	Not illustrated
SF3D	Site Flatness, Front-surface, 3-point plane (global), Deviation	Not illustrated
SFLR	Site Flatness, Front-surface, Least-squares fit (global), Range	Not illustrated
SFLD	Site Flatness, Front-surface, Least-squares fit (global),	Not illustrated
SFQR	Site Flatness, Front-surface, Least-squares fit (site), Range	Figure R A1-944
SFQD	Site Flatness, Front-surface, Least-squares fit (site), Deviation	Figure R A1-1045
SFSR	Site Flatness, Front-surface, Least-squares fit (subsite), Range ¹	Not illustrated
SFSD	Site Flatness, Front-surface, Least-squares fit (subsite), Deviation ²	Not illustrated

Justification (if necessary)

FROM: Entire

RELATED INFORMATION 4

FLATNESS ILLUSTRATION

R4-1 Introduction

R4-1.1 All flatness measurement parameters are calculated using a thickness data set (ideal chucked backside reference or equivalent)

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TO: Existing Appendix 1

APPENDIX 1 FLATNESS DECISION TREE

~~**RELATED INFORMATION 4**~~

[A1-4](#) Flatness Illustration

~~**R4-1**~~ [A1-4.1](#) Introduction

~~**R4-1.1**~~ [A1-4.1.1](#) All flatness measurement parameters are calculated using a thickness data set (ideal chucked backside reference or equivalent)

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Justification:

Move entire Related Information 4 to Appendix 1. Flatness Illustrations are an official part of the M1, so it must be the appendix section.

2

Motion		Negative is addressed by the technical change(s).		
Motion by/2nd by		Fritz Passek (Siltronic)/Naoyuki Kawaii (Self)		
Discussion				
Result of Vote (check one)		8 Y-0 N; Motion passed		
<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	Tetsuya Nakai (SUMCO)/Fritz Passek (Siltronic)		
	Discussion			
	Result of Vote (check one)	9 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 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 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 checked="" type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)	
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.	

This table is needed for each Negative.

Negative 2

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.			
	Negative Text	2. The word “backside” should not be used in SEMI standards; use “back surface” (with no hyphen) throughout the document.			
TF input (optional)					
Withdrawal (check one)		No Negative withdrawal made by Voter.		GO TO “Related” subsection	
		Withdrawal document received by Standards staff on MM/DD/YYYY.		GO TO “Final” subsection → (A)	
Related	Motion and Reason (check one)	*	‘Related’ is mutually agreed upon. (Needs no motion.)		GO TO “Persuasive” subsection
			Negative is not related. (Needs ≥2/3 votes to pass.)		
		Reason	XXXX		
	Motion by/ 2 nd by	Name (Company)/Name (Company)			
	Discussion				
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.			
		[Negative is not related.] < 2/3		GO TO “Persuasive” subsection	
		2/3 ≤ [Negative is not related.]		GO TO “Final” subsection → (B)	
Persuasive	Motion and Reason (check one)		Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		x	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
		Reason	This is an editorial correction.		
	Motion by/ 2 nd by	Tetsuya Nakai (SUMCO)/Fritz Passek (Siltronic)			
	Discussion				
	Result of Vote (check one)	9 Y-0 N; Motion passed.			
		[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	Y	GO TO “Address by Technical Change Option” subsection
		[Negative is related and not persuasive.] < 2/3		N	GO TO “Final” subsection → (E)
		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	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 checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.		

Negative 3

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
	Negative Text	3. Do not use hyphens for front surface or least squares.		
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	XXXX	

	Motion by/ 2 nd 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.]	GO TO “Final” subsection → (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	This is an editorial correction.		
	Motion by/ 2 nd by	Tetsuya Nakai (SUMCO)/Fritz Passek (Siltronic)				
	Discussion					
	Result of Vote (check one)	9 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 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/ 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)		

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

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

3	Original number (#) of Negatives	(g)	
#	Number of Negatives withdrawn	(h)	
#	Number of Negatives found not related	(i)	
2	Number of Negatives found not significant	(j)	
1	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

V. Comments

None

V-(ii) Comments Created by Handling Negative

Comment (Created by Handling Negative) NC – 1

Comments	*TF/TC Chapter to fill in		
	2. The word “backside” should not be used in SEMI standards; use “back surface” (with no hyphen) throughout the document.		
Action	The TC Chapter agreed to do one of the following actions.		
	*No motion is required in this step.		
		Already addressed by Commenter #, Comment #	
		No further action was taken by the TC Chapter.	

		Refer to the TF for more consideration.
		New business
	x	Editorial change
	Options for editorial change (check one)	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.
		Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields.
	x	
Editorial Changes	1	FROM: throughout ballot backside front side
		TO: throughout ballot back surface front surface
		Justification: For consistency the term "back surface" and "front surface" are currently used in SEMI M1.
Motion	To approve above editorial change(s)	
Motion by/2 nd by	Tetsuya Nakai (SUMCO)/Fritz Passek (Siltronic)	
Discussion	XXXX	
Vote	9 Y-0 N; Motion passed	

Comment (Created by Handling Negative) NC – 2

Comme	*TF/TC Chapter to fill in	
	3. Do not use hyphens for front surface or least squares.	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
		Already addressed by Commenter #, Comment #
		No further action was taken by the TC Chapter.
		Refer to the TF for more consideration.
		New business
	x	Editorial change
	Options for editorial	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.
		Case 2: Voted in this section:
	x	

	change (check one)	Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Changes	1	FROM: throughout ballot front-surface least-squares
		TO: throughout ballot front surface least squares
		Justification: Deleting hyphen from "front-surface" and "least-square" for editorial correction.
Motion	To approve above editorial change(s)	
Motion by/2 nd by	Tetsuya Nakai (SUMCO)/Fritz Passek (Siltronic)	
Discussion	XXXX	
Vote	9 Y-0 N; Motion passed	

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 above section for editorial changes.

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	=	39	/	39	=	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	x	This is not a Safety Document , when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations</i> ¶ 8.7.1)
		This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations</i> ¶ 8.7.2)
		Safety Checklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (<i>Regulations</i> ¶ 15.1.2)
Motion by/2nd 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</i> ¶ 8.8.1)	
	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 (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.
		Line item(s) [X], [X] and [X] passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
	x	Line item(s) [1] passed TC Chapter review with technical changes and with 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/ 2nd by	Tetsuya Nakai (SUMCO)/Fritz Passek (Siltronic)	
Discussion	XXXX	
Vote	9 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:	