

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **China**

Global Technical Committee: **HB-LED**

TC Chapter Cochairs: **Yong Ji/GHTOT, WeizhiCai/SANAN**

Standards Staff: **Sophia Huang/SEMI China**

	Scheduled in Background Statement	Actual
Date	10/14/2016	10/14/2016
Location	Dandong, Liaoning, China Friend Plaza Hotel Dandong	Dandong, Liaoning, China Friend Plaza Hotel Dandong
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
Doc 5775A	New Standard: Specification for Sapphire Single Crystal Ingot Intended for Use for Manufacturing HB-LED Wafers

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	46	÷	73	=	63.0%	≥60%
Intercommittee Ballot	14					
Voting Interest Reject(s)	1		Total Voters with Rejects		1	
Voting Interest Accept(s)	27					

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: Peter Wagner Consulting) Voter Reject1 (Voter:Peter Wagner, Peter Wagner Consulting)

Negative 1

	Referenced Section/Paragraph	*TF/TC Chapter to fill in,including text in the ballot if necessary.	
		Appendix (Appendices) 1 to 6 (from page 4 to 9)	
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification,suggestion) should be copied.	
		<p>All test methods described in appendices 1 to 6 of the document do not agree with the requirements for test methods according to SEMI Standards' Procedural Manual. The following sections are mandatory for a test method standard:</p> <ul style="list-style-type: none"> a. Purpose b. Scope c. Referenced Standards and Documents d. Procedure e. Calculations f. Report g. Summary of Test Method <p>Optional sections include:</p> <ul style="list-style-type: none"> h. Table of contents i. Limitations j. Terminology k. Related Documents l. Apparatus m. Reagents and Materials n. Safety Precautions o. Test Specimen p. Preparation of Apparatus q. Calibration and Standardization r. Precision and Bias <p>Although the latter sections are optional, a test method document without them has no value. This becomes immediately obvious for Appendix 3 and 4. How should a reader of the document understand the following sentence from A3-1.4: "Roll the handle to change θ and observe the ammeter." without any other explanation or drawing illustrating the apparatus? Therefore all the test methods in the document have either to be removed from the document and written as separate SEMI standards or they have to be written as required by the Procedural Manual for test methods.</p>	
	TF input (optional)		
	Withdrawal (check one)	<input checked="" type="checkbox"/> No Negative withdrawal made by Voter.	GOTO "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	

	Motion by/ 2nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote(check one)		[Negative is not related.] <2/3		GOTO “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	The aim of 5775A is to specify the main parameters of sapphire ingot used for HB-LED substrate instead of test method. We think different companies might have different test equipment and method for a same parameter, but it is OK as long as a consensus is formed between customer and supplier. In view of this, we deleted ‘Test Method’ and ‘Appendix’ from the document, and added one sentence as remark, that is, The specific measurement methods of above items are to be agreed by customer and supplier.			
	Motion by/ 2nd by	Zijian An(AURORA), Yang Gan(HIT)				
Discussion	None					
	Result of Vote(check one)		[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)		
		X	90% ≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection		
Address by Option Technical Changes	Technical Change Recommendations					
	Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.					
	1	FROM:Section/ParagraphXXX				
		TO: Section/Paragraphxxx				
2	Justification (if necessary)					
	FROM:Section/ParagraphXXX					

		TO: Section/Paragraphxxx		
		Justification (if necessary)		
	Motion	Negative is addressed by the technical change(s).		
	Motion by/2 nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XXY-XXN; Motion passed/failed.		
		<input 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/2 nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XXY-XXN; Motion passed/failed.		
<input type="checkbox"/> 90% ≤ [Agree to incorporate.]		GO TO "Final" subsection →(F)		
<input type="checkbox"/> [Disagree to incorporate.] > 10%		GO TO "Final" subsection →(E)		
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 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"/> XXY-XXN; Motion passed with simple majority	GO TO "Final" subsection →(D)		
	<input type="checkbox"/> XXY-XXN; 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 checked="" 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 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	<p>Section 7.3</p> <p>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</p> <p>Section 7: Several requirements are not sufficiently precisely defined and have to be improved:</p> <p>§ 7.3: which surface of the ingot has to be c-plane? It has only one surface. Probably the end faces of the cylindrical ingot are meant.</p>				
TF input (optional)						
Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GOTO "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				
	Motion by/ 2nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	XXY-XXN; 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	We accept this proposal and change "Surface" to 'End face' in the document.			
	Motion by/ 2nd by	Zijian An(AURORA), Yang Gan(HIT)				
	Discussion	None				
	Result of Vote (check one)	36 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)		

		X	90%≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection	
Address by Technical Change Option	Technical Change Recommendations				
	Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.				
	1	FROM:Section/ParagraphXXX			
		TO: Section/Paragraphxxx			
	Justification (if necessary)				
	2	FROM:Section/ParagraphXXX			
		TO: Section/Paragraphxxx			
	Justification (if necessary)				
	Motion		Negative is addressed by the technical change(s).		
	Motion by/2 nd by		Name (Company)/Name (Company)		
Discussion					
Result of Vote (check one)		XXY-XXN; Motion passed/failed. <input 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/2 nd by		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check one)		XXY-XXN; Motion passed/failed. <input type="checkbox"/> 90%≤ [Agree to incorporate.] GO TO “Final” subsection →(F) <input type="checkbox"/> [Disagree to incorporate.]>10% GO TO “Final” subsection →(E)		
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 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"/>	XXY-XXN; Motion passed with simple majority	GO TO "Final" subsection →(D)	
		<input type="checkbox"/>	XXY-XXN; 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 checked="" 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 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.		

Negative 3

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in,including text in the ballot if necessary. Section 7.4			
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Section 7: Several requirements are not sufficiently precisely defined and have to be improved: § 7.4: How can a flat be a plane? "Flat" is in SEMI Standards so far only defined for wafers; please see SEMI's Compilation of Terms. What is meant by "flat" in doc5775A is probably "the planar part of the otherwise cylindrical circumference of the ingot", or something like this?			
TF input (optional)					
Withdrawal(check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GOTO"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.)		
		<input type="checkbox"/>	Reason		
	Motion by/ 2 nd by	Name (Company)/Name (Company)			
	Discussion				
Result of Vote(check one)	<input type="checkbox"/>	XXY-XXN;Motion passed/failed.			
	<input type="checkbox"/>	[Negativeis not related.] <2/3		GO TO "Persuasive" subsection	
	<input type="checkbox"/>	2/3 ≤ [Negative is not related.]		GO TO "Final" subsection →(B)	
Motion and Reason	<input type="checkbox"/>	Negative is related and persuasive.(Needs >1/3 votes to pass.)			

Persuasive	(check one)		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)	
				Reason	
				We accept this proposal and change “Flat” to ‘Reference plane’ in the document. In addition, ‘Reference plane’ is defined because it is not a terminology.	
	Motion by/ 2nd by		Zijian An(AURORA), Yang Gan(HIT)		
	Discussion		None		
Address by Technical Change Option	Technical Change Recommendations				
	Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.				
	1	FROM:Section/ParagraphXXX			
		TO: Section/Paragraphxxx			
		Justification (If necessary)			
2	FROM:Section/ParagraphXXX				
	TO: Section/Paragraphxxx				
	Justification (If necessary)				
Motion		Negative is addressed by the technical change(s).			
Motion by/2nd by		Name (Company)/Name (Company)			
Discussion					
Result of Vote (check one)		XXY-XXN; Motion passed/failed.			
		<input 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	Motion		To incorporate the technical change(s).		
	Motion by/2nd by		Name (Company)/Name (Company)		

	Discussion	
	Result of Vote (check one)	XXY-XXN; Motion passed/failed. <input type="checkbox"/> 90%≤ [Agree to incorporate.] GO TO “Final” subsection →(F) <input type="checkbox"/> [Disagree to incorporate.]>10% GO TO “Final” subsection →(E)
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 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"/> XXY-XXN; Motion passed with simple majority GO TO “Final” subsection →(D)	
	<input type="checkbox"/> XXY-XXN; Motion failed with simple majority GO TO “Final” subsection →(C)	
Final	<input type="checkbox"/> (A) Withdrawn(counted under h in disposition)	
	<input type="checkbox"/> (B) Not related (counted under i in disposition)	
	<input checked="" 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 type="checkbox"/> (F) Addressed by technical change (counted under k disposition)	
	(check if applicable)	Comment generated. See Section V-(ii) Comment #X.

Negative 4

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in,including text in the ballot if necessary. Section 7.5	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Section 7: Several requirements are not sufficiently precisely defined and have to be improved: § 7.5: How are scratches detected?	
TF input (optional)			
Withdrawal(check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GOTO“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		
	Motion by/ 2 nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XXY-XXN; 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	"The specific measurement methods of above items are to be agreed by customer and supplier."	
	Motion by/ 2 nd by	Zijian An(AURORA), Yang Gan(HIT)		
	Discussion	None		
	Result of Vote (check one)	36 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)		
X	90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection		
Address by Technical Change Option	Technical Change Recommendations			
	Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.			
	1	FROM: Section/Paragraph XXX		
		TO: Section/Paragraph xxx		
		Justification (if necessary)		
2	FROM: Section/Paragraph XXX			
	TO: Section/Paragraph xxx			
	Justification (if necessary)			

	Motion		Negative is addressed by the technical change(s).		
	Motion by/2nd by		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check one)		XXY-XXN; Motion passed/failed.		
			<input 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)	
	Technical Change of the Incorporation	Motion		To incorporate the technical change(s).	
		Motion by/2nd by		Name (Company)/Name (Company)	
		Discussion			
		Result of Vote (check one)		XXY-XXN; Motion passed/failed.	
<input type="checkbox"/>				90% ≤ [Agree to incorporate.] GO TO "Final" subsection →(F)	
<input type="checkbox"/>	[Disagree to incorporate.] > 10% GO TO "Final" subsection →(E)				
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 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"/>	XXY-XXN; Motion passed with simple majority GO TO "Final" subsection →(D)		
<input type="checkbox"/>		XXY-XXN; 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 checked="" 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 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.		

Negative 5

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.
		Section 7.6

	Negative Text	<p>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</p> <p>Section 7: Several requirements are not sufficiently precisely defined and have to be improved:</p> <p>§ 7.6: What is the spatial wavelength range for this specification? For what part of the ingot does it apply? For the end faces of the ingot, the circumference of the ingot, the so-called flat or the entire surface wherever measured?</p>				
	TF input (optional)					
	Withdrawal(check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GOTO "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				
	Motion by/ 2 nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote(check one)	XXY-XXN; 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	We don't agree to this opposition, Roughness usually tested by AFM with contacting mode and needless to define spatial wavelength range. Moreover, don't you think it is feasible to add the spatial wavelength range for this specification because all test methods are not described in this specification?			
	Motion by/ 2 nd by	Zijian An(AURORA), Yang Gan(HIT)				
	Discussion	None				
	Result of Vote(check one)	36 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			

Address by Technical Change Option		Technical Change Recommendations			
		Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.			
		Technical Changes	1	FROM:Section/ParagraphXXX	
				TO: Section/Paragraphxxx	
				Justification (if necessary)	
		Technical Changes	2	FROM:Section/ParagraphXXX	
				TO: Section/Paragraphxxx	
				Justification (if necessary)	
		Motion		Negative is addressed by the technical change(s).	
		Motion by/2nd by		Name (Company)/Name (Company)	
Discussion					
Result of Vote (check one)		XXY-XXN; Motion passed/failed.			
		<input 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			
		Name (Company)/Name (Company)			
Discussion					
Result of Vote (check one)		XXY-XXN; Motion passed/failed.			
		<input type="checkbox"/>	90% ≤ [Agree to incorporate.] GO TO "Final" subsection →(F)		
		<input type="checkbox"/>	[Disagree to incorporate.] > 10% GO TO "Final" subsection →(E)		
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 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"/>	XXY-XXN; Motion passed with simple majority GO TO "Final" subsection →(D)		

			XXY-XXN; Motion failed with simple majority	GO TO "Final" subsection →(C)
Final	(check if applicable)		(A) Withdrawn(counted under h in disposition)	
			(B) Not related (counted under i in disposition)	
		X	(C) Related and not persuasive (significant)	
			(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 #X.	

Negative 6

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in,including text in the ballot if necessary. Section 7.7			
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Section 7: Several requirements are not sufficiently precisely defined and have to be improved: § 7.7: What is a "vertical"?			
	TF input (optional)				
Withdrawal(check one)	X	No Negative withdrawal made by Voter.		GOTO"Related" subsection	
		Withdrawal document received by Standards staff on MM/DD/YYYY.		GO TO "Final"subsection →(A)	
Related	Motion and Reason (check one)	X	'Related' is mutually agreed upon.(Needs no motion.)		GO TO "Persuasive" subsection
			Negative is not related.(Needs ≥2/3 votes to pass.)		
		Reason			
	Motion by/ 2 nd by	Name (Company)/Name (Company)			
	Discussion				
	Result of Vote(check one)		XXY-XXN;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	'Vertical' is replaced by "Verticality"		
Motion by/ 2 nd by	Zijian An(AURORA), Yang Gan(HIT)				

Discussion		None			
		36 Y-0 N; Motion passed			
Result of Vote (check one)	<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		
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	1	FROM: Section/Paragraph XXX			
		TO: Section/Paragraph xxx			
		Justification (if necessary)			
	2	FROM: Section/Paragraph XXX			
		TO: Section/Paragraph xxx			
		Justification (if necessary)			
Motion		Negative is addressed by the technical change(s).			
Motion by/2nd by		Name (Company)/Name (Company)			
Discussion					
Result of Vote (check one)		XXY-XXN; Motion passed/failed.			
<input 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		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check one)		XXY-XXN; Motion passed/failed.		
<input type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO "Final" subsection →(F)			
<input type="checkbox"/>	[Disagree to incorporate.] >10%	GO TO "Final" subsection →(E)			

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”. (<i>Regulations ¶ 9.6.4.4.2</i>)		
	Use of “Not significant finding option” (check one)	<input 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"/>	XXY-XXN; Motion passed with simple majority GO TO “Final” subsection →(D)
<input type="checkbox"/>		XXY-XXN; 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 checked="" 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 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.

Negative 7

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in,including text in the ballot if necessary. Section 7.10	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Section 7: Several requirements are not sufficiently precisely defined and have to be improved: § 7.10: How are bubbles and cloudsmeasured and detected?	
TF input (optional)			
Withdrawal(check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GOTO“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	
	Motion by/ 2 nd by	Name (Company)/Name (Company)	
Discussion			

	Result of Vote (check one)	XXY-XXN; 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	"The specific measurement methods of above items are to be agreed by customer and supplier."		
	Motion by/ 2nd by	Zijian An(AURORA), Yang Gan(HIT)			
	Discussion	None			
	Result of Vote (check one)	36 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)		
X		90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection		
Address by Technical Change Option	Technical Change Recommendations				
	Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.				
	1	FROM: Section/Paragraph XXX			
		TO: Section/Paragraph xxx			
		Justification (if necessary)			
	2	FROM: Section/Paragraph XXX			
		TO: Section/Paragraph xxx			
		Justification (if necessary)			
	Motion		Negative is addressed by the technical change(s).		
	Motion by/2nd by		Name (Company)/Name (Company)		
Discussion					
Result of Vote		XXY-XXN; Motion passed/failed.			

	(check one)		<input 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	Name (Company)/Name (Company)		
		Discussion			
Result of Vote (check one)		XXY-XXN; Motion passed/failed.			
	<input type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO “Final” subsection →(F)		
	<input type="checkbox"/>	[Disagree to incorporate.] > 10%	GO TO “Final” subsection →(E)		
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 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"/>	XXY-XXN; Motion passed with simple majority	GO TO “Final” subsection →(D)	
<input type="checkbox"/>		XXY-XXN; 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 checked="" 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 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.		

Negative 8

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. Section 7.11
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Section 7: Several requirements are not sufficiently precisely defined and have to be improved: § 7.11: How are chips measured and detected?
TF input (optional)		

Withdrawal (check one)		<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GOTO "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				
	Motion by/ 2nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	XXY-XXN; Motion passed/failed.				
<input type="checkbox"/>		[Negative is not related.] <2/3		<input type="checkbox"/>	GO TO "Persuasive" subsection	
<input type="checkbox"/>		2/3 ≤ [Negative is not related.]		<input type="checkbox"/>	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	The specific measurement methods of above items are to be agreed by customer and supplier.			
	Motion by/ 2nd by	Zijian An(AURORA), Yang Gan(HIT)				
	Discussion	None				
	Result of Vote (check one)	36 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				
Address by Technical Change Option	Technical Change Recommendations					
	Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.					
	1	FROM: Section/Paragraph XXX				
		TO: Section/Paragraph xxx				
Justification (If necessary)						

	2	FROM:Section/ParagraphXXX		
		TO: Section/Paragraphxxx		
		Justification (if necessary)		
Motion		Negative is addressed by the technical change(s).		
Motion by/2 nd by		Name (Company)/Name (Company)		
Discussion				
Result of Vote (check one)		XXY-XXN; Motion passed/failed.		
		<input 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/2 nd by		Name (Company)/Name (Company)	
	Discussion			
	Result of Vote (check one)		XXY-XXN; Motion passed/failed.	
<input type="checkbox"/>			90%≤ [Agree to incorporate.] GO TO “Final” subsection →(F)	
<input type="checkbox"/>			[Disagree to incorporate.]>10% GO TO “Final” subsection →(E)	
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 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"/>	XXY-XXN; Motion passed with simple majority	GO TO “Final” subsection →(D)
<input type="checkbox"/>		XXY-XXN; Motion failed with simple majority	GO TO “Final” subsection →(C)	
Final	<input type="checkbox"/>	(A)	Withdrawn(counted under h in disposition)	
	<input type="checkbox"/>	(B)	Not related (counted under i in disposition)	
	<input checked="" 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 type="checkbox"/>	(F)	Addressed by technical change (counted under k disposition)	

(check if applicable)		Comment generated. See Section V-(ii) Comment #X.
------------------------------	--	--

Negative 9

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.				
		Section 7.12				
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.				
		Section 7: Several requirements are not sufficiently precisely defined and have to be improved: § 7.12: How are cracks measured and detected?				
TF input (optional)						
Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GOTO "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.)			
		<input type="checkbox"/>	Reason			
	Motion by/ 2nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	<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)		
<input type="checkbox"/>		XXY-XXN; Motion passed/failed.				
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.)			
		<input type="checkbox"/>	Reason	The specific measurement methods of above items are to be agreed by customer and supplier.		
	Motion by/ 2nd by	Zijian An(AURORA), Yang Gan(HIT)				
	Discussion	None				
	Result of Vote (check one)	<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 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)		

		X	90%≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection	
Address by Technical Change Option	Technical Change Recommendations				
	Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.				
	1	Technical Changes	FROM:Section/ParagraphXXX		
			TO: Section/Paragraphxxx		
			Justification (if necessary)		
	2	Technical Changes	FROM:Section/ParagraphXXX		
			TO: Section/Paragraphxxx		
			Justification (if necessary)		
	Motion		Negative is addressed by the technical change(s).		
	Motion by/2 nd by		Name (Company)/Name (Company)		
Discussion					
Result of Vote (check one)		XXY-XXN; Motion passed/failed.			
		2/3≤ [Negative is addressed by the technical change(s).]	GO TO “Incorporation of the Technical Change” subsection		
		[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/2 nd by		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check one)		XXY-XXN; Motion passed/failed.		
		90%≤ [Agree to incorporate.]	GO TO “Final” subsection →(F)		
		[Disagree to incorporate.]>10%	GO TO “Final” subsection →(E)		
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)	It is mutually agreed upon to term the Negative “not significant”.		GO TO “Final” subsection →(D)	
		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		XXY-XXN; Motion passed with simple majority	GO TO "Final" subsection →(D)	
			XXY-XXN; Motion failed with simple majority	GO TO "Final" subsection →(C)	
Final	(check if applicable)		(A)	Withdrawn(counted under h in disposition)	
			(B)	Not related (counted under i in disposition)	
		X	(C)	Related and not persuasive (significant)	
			(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 #X.		

Negative 10

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in,including text in the ballot if necessary. Section 6			
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. The ordering information has to contain also the test methods to be used for verifying the specifications.			
	TF input (optional)				
Withdrawal(check one)	X	No Negative withdrawal made by Voter.		GOTO"Related" subsection	
		Withdrawal document received by Standards staff on MM/DD/YYYY.		GO TO "Final"subsection →(A)	
Related	Motion and Reason (check one)	X	'Related' is mutually agreed upon.(Needs no motion.)		GO TO "Persuasive" subsection
			Negative is not related.(Needs ≥2/3 votes to pass.)		
		Reason			
	Motion by/ 2 nd by	Name (Company)/Name (Company)			
	Discussion				
Result of Vote(check one)		XXY-XXN;Motion passed/failed.			
		[Negativeis 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	The object reason for this comment is same to negative 1. A remark of 'as mutually agreed by customer and supplier' is added in the ordering information.		

	Motion by/ 2 nd by	Zijian An(AURORA), Yang Gan(HIT)				
	Discussion	None				
	Result of Vote(check one)	36 Y-0 N; Motion passed				
			[Negative is related and persuasive.] >1/3	Is a technical change recommended? (check one)		Y
		[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)			
	X	90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection			
Address by Technical Change Option	Technical Change Recommendations					
	Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.					
	1	FROM:Section/ParagraphXXX				
		TO: Section/Paragraphxxx				
		Justification (if necessary)				
	2	FROM:Section/ParagraphXXX				
		TO: Section/Paragraphxxx				
		Justification (if necessary)				
	Motion	Negative is addressed by the technical change(s).				
	Motion by/2 nd by	Name (Company)/Name (Company)				
Discussion						
Result of Vote (check one)	XXY-XXN; Motion passed/failed.					
		2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO "Incorporation of the Technical Change" subsection			
		[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/2 nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	XXY-XXN; Motion passed/failed.				
		90% ≤ [Agree to incorporate.]	GO TO "Final" subsection →(F)			
		[Disagree to incorporate.] >10%	GO TO "Final" subsection →(E)			

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”. (<i>Regulations</i> ¶ 9.6.4.4.2)		
	Use of “Not significant finding option” (check one)	<input 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"/>	XXY-XXN; Motion passed with simple majority GO TO “Final” subsection →(D)
<input type="checkbox"/>		XXY-XXN; 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 checked="" 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 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.	

Negative 11

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in,including text in the ballot if necessary. Section 4	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. 4.2.1: the definition is not correct. A circle has only one diameter. Probably you mean two circles that touch the circumference of the ingot from the outside and from within. Then the difference between the two diameters has to be smaller than a certain distance. Other ways would be to specify the deviation from a least square fit circle or to specify the diameter differences when the ingot diameter is measured a different points along the circumference. Please see also SEMI MF2166. In fact, this definition is not required. It is sufficient to specify the ingot diameter and its tolerance. This then would apply to any diameter measured at arbitrary points along the circumference and along the length of the ingot, unless exceptions are mentioned. - 4.2.2: what you probably want to say is: “The difference of the maximum and minimum distances between two thought lines that are generated by the intersection of plane containing the axis of the ingot with the cylindrical surface.” However, a definition of the term “ingot axis” is missing.	
	TF input (optional)		
Withdrawal(check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GOTO“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)	X	‘Related’ is mutually agreed upon.(Needs no motion.)		GO TO “Persuasive” subsection
			Negative is not related.(Needs ≥2/3 votes to pass.)		
		Reason			
	Motion by/ 2 nd by	Name (Company)/Name (Company)			
	Discussion				
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	We think your suggestion is reasonable and these two items can be deleted from the definition section because the cylindricity and straightness is routine inspection items for processing parts. Besides, one mistake is revised, that is , cylindricity is replaced by roundness.		
	Motion by/ 2 nd by	Zijian An(AURORA), Yang Gan(HIT)			
Discussion	None				
Address by Technical Change Option	Result of Vote(check one)	36 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)	
	X	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.					
1	Technical Changes	FROM:Section/ParagraphXXX			
		TO: Section/Paragraphxxx			
Justification (If necessary)					
2	FROM:Section/ParagraphXXX				

		TO: Section/Paragraphxxx		
		Justification (if necessary)		
	Motion	Negative is addressed by the technical change(s).		
	Motion by/2 nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XXY-XXN; Motion passed/failed.		
		<input 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/2 nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XXY-XXN; Motion passed/failed.		
<input type="checkbox"/> 90% ≤ [Agree to incorporate.]		GO TO "Final" subsection →(F)		
<input type="checkbox"/> [Disagree to incorporate.] > 10%		GO TO "Final" subsection →(E)		
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 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"/> XXY-XXN; Motion passed with simple majority	GO TO "Final" subsection →(D)		
	<input type="checkbox"/> XXY-XXN; 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 checked="" 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 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.		

Negative 12

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
	Negative Text	<p>Section 5 & 6</p> <p>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</p> <p>in section 5 now measurement equipment is mentioned with which the specifications are to be verified or checked, but mentioning a measurement equipment is not equivalent with a test method. I recommend to remove the references to measurement equipment and to add "as mutually agreed by customer and supplier". Adding a table to section 5 with all required ordering information would be helpful. Please check e.g. SEMI M1 for how it should be done.</p> <p>- 6.2: again a table listing all the different combinations of wafer diameters and reference plane heights would be preferable.</p> <p>- 6.3 and 6.5: accuracy is not the correct term here. What you mean is tolerance.</p>		
TF input (optional)				
Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GOTO "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		
	Motion by/ 2nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XXY-XXN; 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	Amended according to your suggestion. In addition, reference plane height (H) is replaced by reference plane width (W) in this version. Because W is often used in purchase order about sapphire wafer and ingot now, but measuring error between supplier and purchaser is hard to resolve. H is only a derived parameter which is easy to measure and W can be calculated from H.	
	Motion by/ 2nd by	Zijian An(AURORA), Yang Gan(HIT)		
Discussion	None			

Result of Vote (check one)	36 Y-0 N; Motion passed		Is a technical change recommended? (check one)	Y	GO TO "Address by Technical Change Option" subsection
	[Negative is related and persuasive.] >1/3	[Negative is related and not persuasive.] <2/3			N
	2/3 ≤ [Negative is related and not persuasive.] <90%	GO TO "Final" subsection →(C)			
	X 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	1	FROM: Section/Paragraph XXX			
		TO: Section/Paragraph xxx			
		Justification (if necessary)			
	2	FROM: Section/Paragraph XXX			
		TO: Section/Paragraph xxx			
		Justification (if necessary)			
Motion		Negative is addressed by the technical change(s).			
Motion by/2 nd by		Name (Company)/Name (Company)			
Discussion					
Result of Vote (check one)		XXY-XXN; Motion passed/failed.			
	2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO "Incorporation of the Technical Change" subsection			
	[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/2 nd by		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check one)		XXY-XXN; Motion passed/failed.		
	90% ≤ [Agree to incorporate.]	GO TO "Final" subsection →(F)			
	[Disagree to incorporate.] >10%	GO TO "Final" subsection →(E)			
Find	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 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"/>	XXY-XXN; Motion passed with simple majority	GO TO “Final” subsection →(D)	
<input type="checkbox"/>		XXY-XXN; 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 checked="" 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 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.		

Negative 13

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in,including text in the ballot if necessary. Section 6		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. The spatial wavelength range for this specification is still missing.		
	TF input (optional)			
Withdrawal(check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GOTO“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		
	Motion by/ 2 nd by	Name (Company)/Name (Company)		
	Discussion			
Result of Vote(check one)	<input type="checkbox"/>	XXY-XXN;Motion passed/failed.		
	<input type="checkbox"/>	[Negativeis 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	I’m not sure about your meaning of this question. Roughness usually tested by AFM with contacting mode and needless to define spatial wavelength range. Moreover, don’t you think it is feasible to add the spatial wavelength range for this specification because all test methods are not described in this specification?			
	Motion by/ 2 nd by	Zijian An(AURORA), Yang Gan(HIT)					
	Discussion	None					
	Result of Vote(check one)	36 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)			
		X	90% ≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection			
Address by Technical Change Option	Technical Change Recommendations						
	Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.						
	1	FROM:Section/ParagraphXXX					
		TO: Section/Paragraphxxx					
		Justification (if necessary)					
	2	FROM:Section/ParagraphXXX					
		TO: Section/Paragraphxxx					
		Justification (if necessary)					
	Motion	Negative is addressed by the technical change(s).					
	Motion by/2 nd by	Name (Company)/Name (Company)					
Discussion							
Result of Vote	XXY-XXN; Motion passed/failed.						

	(check one)	<input 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	Name (Company)/Name (Company)		
		Discussion			
Result of Vote (check one)	XXY-XXN; Motion passed/failed.				
	<input type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO “Final” subsection →(F)		
	<input type="checkbox"/>	[Disagree to incorporate.] > 10%	GO TO “Final” subsection →(E)		
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 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"/>	XXY-XXN; Motion passed with simple majority	GO TO “Final” subsection →(D)	
<input type="checkbox"/>		XXY-XXN; 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 checked="" 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 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.		

Negative 14

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. Section 6
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. 6.7: what you probably want to say, I assume, is: “The angle between the ingot end surface (face would be more correct) and the reference plane shall be 90° +/- 0.1°.” and “The angle between the ingot end surface and the ingot body (whatever this means. Or do you mean ingot axis?) shall be 90° +/- 0.2°.”

TF input (optional)					
Withdrawal(check one)		<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GOTO“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			
	Motion by/ 2nd by	Name (Company)/Name (Company)			
	Discussion				
	Result of Vote(check one)	XXY-XXN;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	Amended according to your suggestion.		
	Motion by/ 2nd by	Zijian An(AURORA), Yang Gan(HIT)			
	Discussion	None			
	Result of Vote(check one)	36 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			
Address by Technical Change Option	Technical Change Recommendations				
	Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.				
	1	FROM:Section/ParagraphXXX			
		TO: Section/Paragraphxxx			
Justification (If necessary)					

	2	FROM:Section/ParagraphXXX		
		TO: Section/Paragraphxxx		
		Justification (if necessary)		
Motion		Negative is addressed by the technical change(s).		
Motion by/2 nd by		Name (Company)/Name (Company)		
Discussion				
Result of Vote (check one)		XXY-XXN; Motion passed/failed.		
		<input 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/2 nd by		Name (Company)/Name (Company)	
	Discussion			
	Result of Vote (check one)		XXY-XXN; Motion passed/failed.	
<input type="checkbox"/>			90%≤ [Agree to incorporate.] GO TO “Final” subsection →(F)	
<input type="checkbox"/>			[Disagree to incorporate.]>10% GO TO “Final” subsection →(E)	
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 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"/>	XXY-XXN; Motion passed with simple majority	GO TO “Final” subsection →(D)
<input type="checkbox"/>		XXY-XXN; Motion failed with simple majority	GO TO “Final” subsection →(C)	
Final	<input type="checkbox"/>	(A)	Withdrawn(counted under h in disposition)	
	<input type="checkbox"/>	(B)	Not related (counted under i in disposition)	
	<input checked="" 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 type="checkbox"/>	(F)	Addressed by technical change (counted under k disposition)	

(check if applicable)		Comment generated. See Section V-(ii) Comment #X.
------------------------------	--	--

Negative 15

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.				
	Negative Text	Section 6 *Original complete Negative text (e.g., issue, justification, suggestion) should be copied. 6.8: again, what you probably want to say is: "The diameter of a of a 2 inch ingot (do you really mean 2 inch or 5 cm? SEMI standards are obliged to use SI units!) shall be 50 mm +/- 0.03 mm and the diameter of a 4 inch ingot shall be 100 +/- 0.04 mm."				
TF input (optional)						
Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GOTO "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					
	Motion by/ 2nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	<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	2 inch and 4 inch only represent the classification according to sapphire ingot diameter size, and the detailed size is specified in this specification.				
	Motion by/ 2nd by	Zijian An(AURORA), Yang Gan(HIT)				
	Discussion	None				
	Result of Vote (check one)	<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	
Address by Technical Change Option	Technical Change Recommendations				
	Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.				
	Technical Changes	1	FROM:Section/ParagraphXXX		
			TO: Section/Paragraphxxx		
			Justification (if necessary)		
		2	FROM:Section/ParagraphXXX		
			TO: Section/Paragraphxxx		
			Justification (if necessary)		
	Motion		Negative is addressed by the technical change(s).		
	Motion by/2 nd by		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check one)		XXY-XXN; Motion passed/failed.		
			<input 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/2 nd by		Name (Company)/Name (Company)			
Discussion					
Result of Vote (check one)		XXY-XXN; Motion passed/failed.			
		<input type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO “Final” subsection →(F)	
		<input type="checkbox"/>	[Disagree to incorporate.] >10%	GO TO “Final” subsection →(E)	
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 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"/>	XXY-XXN; Motion passed with simple majority GO TO "Final" subsection →(D)
<input type="checkbox"/>		XXY-XXN; 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 checked="" 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 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.	

Negative 16

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in,including text in the ballot if necessary. Section 6	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. 6.9: Again, it would be better to say: "The straightness of a 2 inch sapphire ingot shall be 0 +/- 0.015 mm and the straightness of a 4 inch sapphire ingot shall be 0 +/- 0.03 mm."	
TF input (optional)			
Withdrawal(check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GOTO"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		
	Motion by/ 2 nd by	Name (Company)/Name (Company)	
	Discussion		
Result of Vote(check one)	<input type="checkbox"/>	XXY-XXN;Motion passed/failed. [Negativeis not related.] <2/3	GO TO "Persuasive" subsection
	<input type="checkbox"/>	2/3 ≤ [Negative is not related.]	GO TO "Final" subsection →(B)
Persuasi ve	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	Amended according to your suggestion.			
Motion by/ 2 nd by	Zijian An(AURORA), Yang Gan(HIT)					
Discussion	None					
Result of Vote(check one)	36 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)			
	X	90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection			
Address by Technical Change Option	Technical Change Recommendations					
	Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.					
	1	FROM:Section/ParagraphXXX				
		TO: Section/Paragraphxxx				
		Justification (if necessary)				
	2	FROM:Section/ParagraphXXX				
		TO: Section/Paragraphxxx				
		Justification (if necessary)				
	Motion	Negative is addressed by the technical change(s).				
	Motion by/2 nd by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	XXY-XXN; Motion passed/failed.				
			2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO "Incorporation of the Technical Change" subsection		
			[Negative is not addressed by the technical change(s).] < 2/3	GO TO "Final" subsection →(E)		
Incorporatio n of the	Motion	To incorporate the technical change(s).				
	Motion by/2 nd by	Name (Company)/Name (Company)				
	Discussion					
		XXY-XXN; Motion passed/failed.				

	Result of Vote (check one)	<input type="checkbox"/>	90%≤ [Agree to incorporate.]	GO TO “Final” subsection →(F)
		<input type="checkbox"/>	[Disagree to incorporate.]>10%	GO TO “Final” subsection →(E)
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 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"/>	XXY-XXN; Motion passed with simple majority	GO TO “Final” subsection →(D)	
	<input type="checkbox"/>	XXY-XXN; 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 checked="" 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
	<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 #X.		

Negative 17

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in,including text in the ballot if necessary.		
		Section 4		
Negative Text		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.		
		The terms roundness and straightness have to be defined as they are used in the specification table. Only if you are not using these terms then you may leave them out.		
TF input (optional)				
Withdrawal(check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GOTO“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.)	
		<input type="checkbox"/>	Negative is not related.(Needs ≥2/3 votes to pass.)	
		Reason		

	Motion by/ 2 nd by	Name (Company)/Name (Company)			
	Discussion				
	Result of Vote (check one)	XXY-XXN; 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	We don't think it is necessary to redefine 'roundness' and 'straightness', because these two terms are general applicable terms of geometric tolerance, which have permanent definition and not dedicated to sapphire ingot appearance and dimension inspection.		
	Motion by/ 2 nd by	Zijian An(AURORA), Yang Gan(HIT)			
	Discussion	None			
	Result of Vote (check one)	36 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)		
X		90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection		
Address by Technical Change Option	Technical Change Recommendations				
	Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.				
	1	FROM: Section/ParagraphXXX			
		TO: Section/Paragraphxxx			
		Justification (if necessary)			
	2	FROM: Section/ParagraphXXX			
TO: Section/Paragraphxxx					
Justification (if necessary)					

	Motion	Negative is addressed by the technical change(s).		
	Motion by/2nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	<input 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)	
Technical Change of the Incorporation	Motion	To incorporate the technical change(s).		
	Motion by/2nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	<input type="checkbox"/> 90% ≤ [Agree to incorporate.]	GO TO "Final" subsection →(F)	
<input type="checkbox"/> [Disagree to incorporate.] > 10%		GO TO "Final" subsection →(E)		
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 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"/> XXY-XXN; Motion passed with simple majority	GO TO "Final" subsection →(D)		
	<input type="checkbox"/> XXY-XXN; 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 checked="" 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 type="checkbox"/> (F)	Addressed by technical change (counted under k disposition)	
(check if applicable)	Comment generated. See Section V-(ii) Comment #X.			

Negative 18

Negative	Referenced Section/Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.
		Section 6

	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.			
		The spatial wavelength range must be specified, in particular as no test method is defined. Even with AFM measurements the roughness value you get will depend on the length of the scan.			
	TF input (optional)				
	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GOTO "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			
	Motion by/ 2 nd by	Name (Company)/Name (Company)			
	Discussion				
	Result of Vote (check one)	XXY-XXN; 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 The object reason for this comment is same to negative 1. A remark of 'as mutually agreed by customer and supplier' is added in the ordering information.
		Reason			
	Motion by/ 2 nd by	Zijian An(AURORA), Yang Gan(HIT)			
	Discussion	None			
	Result of Vote (check one)	36 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			
Technical Change	Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.				

Technical Changes	1	FROM:Section/ParagraphXXX		
		TO: Section/Paragraphxxx		
		Justification (if necessary)		
	2	FROM:Section/ParagraphXXX		
		TO: Section/Paragraphxxx		
		Justification (if necessary)		
Motion		Negative is addressed by the technical change(s).		
Motion by/2 nd by		Name (Company)/Name (Company)		
Discussion				
Result of Vote (check one)		XXY-XXN; Motion passed/failed.		
		<input 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/2 nd by		Name (Company)/Name (Company)	
	Discussion			
	Result of Vote (check one)		XXY-XXN; Motion passed/failed.	
<input type="checkbox"/>			90%≤ [Agree to incorporate.] GO TO “Final” subsection →(F)	
<input type="checkbox"/>			[Disagree to incorporate.]>10% GO TO “Final” subsection →(E)	
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 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"/>	XXY-XXN; Motion passed with simple majority	GO TO “Final” subsection →(D)
<input type="checkbox"/>		XXY-XXN; 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)	

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

Voting Interest Reject 1- Voter Reject2 (Voter:Name and company)

Negative 1

Negative 2

Negative 3

Negative 4

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

#	Original number (#) of Negatives	(g)
#	Number of Negatives withdrawn	(h)
#	Number of Negatives found not related	(i)
#	Number of Negatives found not significant	(j)
#	Number of Negatives addressed by technical change (Negative becomes not significant)	(k)
Final	$g-(h+i+j+k)=0$	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)

Voting Interest Reject 2 (Voting Interest Name:XXXXXX)

Voter Reject1 (Voter:Name and company)

Negative 1

Negative 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 # (Voter: Name and company)/A reason not addressed by a Vote response				
	Referenced Section/Paragraph	*TF/TC Chapter to fill in including text in the ballot as appropriate.				
	Reason	*Original Comment text, if applicable, and problem statement, including justification and suggestion, should be copied.				
Handle technical issue identified above as a Negative.						
Related	Motion and Reason (check one)	<input 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)	XXY-XXN; 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.				
Motion and Reason (check one)	<input 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/ 2nd by	Name (Company)/Name (Company)					
Discussion						
Result of Vote (check one)	XXY-XXN; Motion passed/failed.					
	<input type="checkbox"/>	[Negative is related and persuasive.] >1/3	Is a technical change recommended?	<input type="checkbox"/>	Y	
					GO TO “Address by Technical Change Option” subsection	

		<input type="checkbox"/>	[Negative is related and not persuasive.] <2/3	(check one)	<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)				
Address by Technical Change Option	Technical Change Recommendations								
	Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.								
	Technical Changes	1	FROM:Section/ParagraphXXX						
			TO: Section/Paragraphxxx						
			Justification (if necessary)						
		2	FROM:Section/ParagraphXXX						
			TO: Section/Paragraphxxx						
			Justification (if necessary)						
	Motion		Negative is addressed by the technical change(s).						
	Motion by/2nd by		Name (Company)/Name (Company)						
	Discussion								
	Result of Vote (check one)		XXY-XXN; Motion passed/failed.						
			<input 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		Name (Company)/Name (Company)						
	Discussion								
	Result of Vote (check one)		XXY-XXN; Motion passed/failed.						
			<input 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 type="checkbox"/>	(F)	Addressed by technical change					
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment #X.						

V. Comments

V- (i) Voters' Comments

Commenter 1 (Name/Company)- Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.		
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 type="checkbox"/>	Editorial Change		
	Options for editorial change (check one)	<input type="checkbox"/> Case 1: No vote in this section: <i>To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in §V.</i>	
		<input type="checkbox"/> Case 2: Voted in this section: <i>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</i>	
	Editorial Changes	1	FROM: Section/Paragraphxxx
			TO: Section/Paragraphxxx
Justification (If necessary)			
2		FROM:Section/Paragraphxxx	
		TO: Section/Paragraphxxx	
		Justification (If necessary)	
Motion	To approve above editorial change(s)		
Motion by/2 nd by	Name (Company)/Name (Company)		
Discussion	XXXX		
Vote	XXY-XXN; Motion passed/failed.		

This table is needed for each Comment.

Commenter 2(Name/Company)- Comment 1

Commenter 3(Name/Company)- Comment 1

V-(ii) Comments Created by Handling Negative

Comment (Created by Handling Negative) NC –1

Comment	*TF/TC Chapter to fill in	
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 type="checkbox"/>	Editorial change
Editorial Changes	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 type="checkbox"/> Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields.
	1	FROM: Section/Paragraphxxx
		TO: Section/Paragraphxxx
Justification (If necessary)		
2	FROM:Section/Paragraphxxx	
	TO: Section/Paragraphxxx	
	Justification (If necessary)	
Motion		To approve above editorial change(s)
Motion by/2 nd by		Name (Company)/Name (Company)

Discussion	XXXX
Vote	XXY-XXN; Motion passed/failed.

Comment (Created by Handling Negative) NC – 2
 Comment (Created by Handling Negative) NC – 3

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.

1	Origin of this editorial change (Check one)	<input type="checkbox"/>	Committer(s) / Comment(s) #
		<input type="checkbox"/>	Other []
	FROM: Appendix (Appendices) 1 to 6 (from page 4 to 9)		
	TO: Delete Appendix (Appendices) 1 to 6 (from page 4 to 9)		
Justification: (If necessary)			
2	Origin of this editorial change (Check one)	<input type="checkbox"/>	Committer(s) / Comment(s) #
		<input type="checkbox"/>	Other []
	FROM: Section 2.2 2.2 The key parameters include the ingot diameter, flat height, surface orientation, flat orientation, surface scratch, surface roughness, vertical, cylindricity, straightness.		
	TO: Section 2.2 2.2 The key parameters include the ingot diameter, reference plane width, end face orientation, reference plane orientation, verticality, roundness, straightness, surface roughness.		
Justification: (If necessary)			
3	Origin of this editorial change (Check one)		

	<p>FROM: Section 4 4.1 Abbreviations and Acronyms 4.1.1 D — diameter 4.1.2 H — flat height 4.1.3 ⊥ — vertical 4.2 Definitions 4.2.1 Cylindricity — Deviation between the maximum and the minimum diameter of the same circumference of a circle on the ingot cylindrical surface. 4.2.2 Straightness — The difference of maximum and minimum distance between two intersection lines of one plane containing axis and the cylindrical surface. 4.2.3 Light Source — III 4.2.4 Intensity of the white light source is 1800-3000 Lux.</p> <p>TO: Section 4 4.1 Abbreviations and Acronyms 4.1.1 D — Diameter 4.1.2 W — Reference Plane Width 4.2 Definitions 4.2.1 Reference Plane — The plane which is vertical to the end face of ingot, and defined as the orientation flat after cutting into wafers.</p> <p>Justification: (if necessary)</p>
4	<p>Origin of this editorial change (Check one)</p> <hr/> <p>FROM: Section 5 Test Methods</p> <p>TO: Delete the whole Section 5 Test Methods</p> <p>Justification: (if necessary)</p>
5	<p>Origin of this editorial change (Check one)</p> <hr/> <p>FROM: Section 6.1.1 6.1.1 Diameter (D) and Flat Height (H) (The positions on ingot are shown in Figure 1).</p> <p>TO: Section 5.1.1 5.1.1 Diameter (D), Reference Plane Width (W) (The positions on ingot are shown in Figure 1).</p> <p>Justification: (if necessary)</p>
6	<p>Origin of this editorial change (Check one)</p> <hr/> <p>FROM: Section 6.1.2 Surface and Flat Orientation</p> <p>TO: Section 5.1.2 5.1.2 End Face and Reference Plane Orientation.</p> <p>Justification: (if necessary)</p>

7	Origin of this editorial change (Check one)
	FROM: Section 6.2.1 6.2.1 Vertical, Cylindricity and Straightness.
	TO: Section 5.2.1 5.2.1 Verticality, Roughness, Roundness, Straightness.
	Justification: (If necessary)
8	Origin of this editorial change (Check one)
	FROM: After 6.2.2 None
	TO: Section 5.2.3&5.3 5.2.3 Acceptable defect size such as surface scratch, bubble and cloud, chip and crack. 5.3 The specific measurement methods of above items are to be agreed by customer and supplier.
	Justification: (If necessary)
9	Origin of this editorial change (Check one)
	FROM: Under Section 6.2.2 No table
	TO: Under Section 5.3 Table1 Sapphire Ingot Specification Format
	Justification: (If necessary)
10	Origin of this editorial change (Check one)

FROM: Section 6
 Figure 1(attached original one)

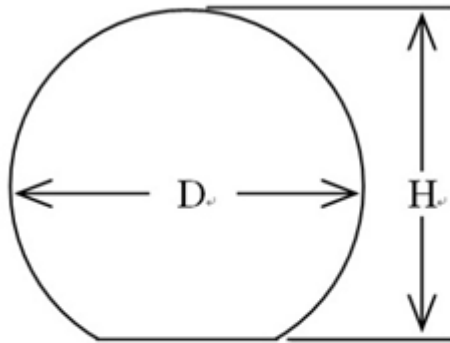


Figure 1

The Positions of D and H on Ingot

TO: Section 5
 Figure 1(attached updated one)

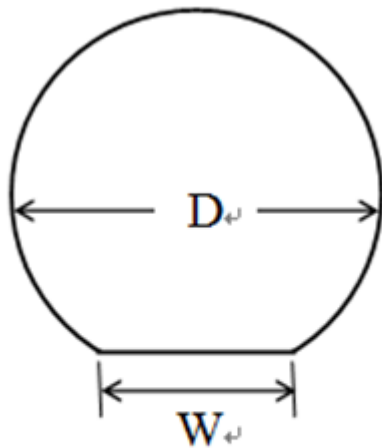


Figure 1

The Positions of D and W on Ingot

Justification: (If necessary)

Origin of this editorial change
(Check one)

11

FROM: Section 7
 Whole paragraph of **Section 7** Requirements

TO: Section 6
 Whole paragraph of **Section 6** Requirements

Justification: (If necessary)

12	Origin of this editorial change (Check one)					
	FROM: Section 7.3 Surface Orientation — The surface orientation of the sapphire ingot is c-plane, and the accuracy of orientation is $\pm 0.1^\circ$.					
	TO: Section 6.1 No.3 End face orientation					
	Justification: (If necessary)					
13	Origin of this editorial change (Check one)					
	FROM: Section 7.4 7.4 Flat Orientation — The flat orientation of the sapphire ingot is a-plane, and the accuracy of orientation is $\pm 0.2^\circ$.					
	TO: 6.1 No.4 Reference plane orientation					
	Justification: (If necessary)					
14	Origin of this editorial change (Check one)					
	FROM: Section 7.7 Vertical – The vertical between the ingot surface and the flat: $\perp \leq 0.1^\circ$. The vertical between the ingot surface and the ingot body: $\perp \leq 0.2^\circ$.					
	TO: 6.1 No.7					
	7	Shape	Verticality	The angle between the ingot end face and the reference plane	90	± 0.1
			The angle between the ingot end face and the ingot body	90	± 0.2	degrees
Justification: (If necessary)						
Motion		To approve the above editorial change(s).				
Motion by/ 2nd by		Zijian An(AURORA), Yang Gan(HIT)				
Discussion		None				
Vote		36Y-0N; Motion passed				

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	=	27	/	28	=	96.4%		≥90%	

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

Note: See Regulations§ 9.7.2 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. (Regulations ¶ 8.7.1)
	<input type="checkbox"/>	This is a Safety Document, when all safety-related information is removed, the Document is not technically sound and complete. (Regulations ¶ 8.7.2)
	<input type="checkbox"/>	Safety Checklist (Regulations ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (Regulations ¶ 15.1.2)
Motion by/2 nd by	Zijian An (AURORA)/ Yang Gan (HIT)	
Discussion	None	
Vote	36Y-0N; 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.

<input checked="" type="checkbox"/>	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. (Regulations ¶ 8.8.1)	
<input checked="" type="checkbox"/>	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	<input type="checkbox"/>	Ask ISC for special permission to publish.	
	<input type="checkbox"/>	Quit activity.	
	<input type="checkbox"/>	Wait for LOA for patented technology or release of copyrighted items.	
Motion by/2nd by		Name (Company)/Name (Company)	
Discussion		XXXX	
Vote		XXY-XXN	
Final Action	<input type="checkbox"/>	Motion passed	
	<input type="checkbox"/>	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	<input type="checkbox"/>	This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.	
	<input checked="" type="checkbox"/>	This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.	
	<input type="checkbox"/>	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.	
	<input type="checkbox"/>	This Document failed TC Chapter review and will be returned to the TF for rework.	
	<input type="checkbox"/>	This Document failed TC Chapter review and work will be discontinued.	
Motion by/2nd by		Zijian An (AURORA)/ Yang Gan (HIT)	
Discussion		None	
Vote		36Y-0N	
Final Action	<input checked="" type="checkbox"/>	Motion passed	
	<input type="checkbox"/>	Motion failed	

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

A&R	<input type="checkbox"/>	Approved for publication
	<input type="checkbox"/>	Approved pending acceptance of the Ratification Ballot
	<input type="checkbox"/>	Not approved
	Reason:	