Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: North America Global Technical Committee: Metrics TC Chapter Cochairs: David Bouldin/Fab Consulting, Vladimir Kraz /BestESD Technical Services Standards Staff: Inna Skvortsova

	Scheduled in Background Statement	Actual
Date	07/10/2019	07/10/2019
Location	Moscone, San Francisco CA	Moscone, San Francisco CA
Reason for Change of Date and/or Location (if changed)		

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

I. Document Number and Title

Document Title NEW STANDARD: TEST METHOD FOR MEASURING SURFACE METAL CONTAMINATION THROUGH ICP-
MS OF CRITICAL CHAMBER COMPONENTS USED IN SEMICONDUCTOR WAFER PROCESSING

II. Tally

Standards staff to fill in.

Voting Tally: As-cast tally after close of voting period

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (*Regulations* ¶ 9.6.2.1.1)

Voting Tally (with example values):

Voting Interest:	Returned Votes		Distribution		Return Rate	
Letter Ballot	42	÷	69	=	60.9%	≥60%
Intercommittee Ballot	41					
Voting Interest Reject(s)	1		Total Voters with Rejects		with Rejects	1
Voting Interest Accept(s)	32					

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: Hitachi Ltd) Voter Reject 1 (Voter: Koichi Yamamoto / Hitachi High-technologies) Negative 1

neg	ative 1											
	Referenced Section/	*TF/	TC Chapter to fill in, inc	luding text in the ballot if nec	essary.							
z	Paragraph	2.2										
Negative	Negative Text	cop In m whe proe	n, suggestion) should be repeatedly. It is not clear never been used on s that is going to be installed									
TFi	nput (optional)	on	processing-equipment.									
	Withdrawal	x	No Negative withdrawal r	nade by Voter.	GO TO "Related" subsection							
	(check one)		Withdrawal document rec MM/DD/YYYY.	ceived by Standards staff on	GO TO "Final" subsection \rightarrow (A)							
	Motion and Reason	x	'Related' is mutually agre	ed upon. (Needs no motion.)	GO TO "Persuasive" subsection							
			Negative is not related. (I	Needs ≥2/3 votes to pass.)								
	(check one)		Reason X	XXX								
Related	Motion by/ 2 nd by	Name (Company)/Name (Company)										
ated	Discussion											
	Result of Vote (check one)	XX Y -XX N ; Motion passed/failed.										
			[Negative is not related.]	GO TO "Persuasive" subsection								
			2/3 ≤ [Negative is not rela	GO TO "Final" subsection → (B)								
			Negative is related and p	ersuasive. (Needs >1/3 votes	to pass.)							
	Motion and Reason (check one)	х	Negative is related and n	ot persuasive. <mark>(Needs ≥2/3 vo</mark> t	tes to pass.)							
Pe	(oneok one)		Reason Because it is clearly written that this Test Method applies to "unused CCC".									
Persuasive	Motion by/ 2 nd by	Sup	ika Mashiro (TEL)/ Koichi	Yamamoto (Hitachi High Tech))							
ive	Discussion			e useful to add a NOTE XX: Th plication is agreed upon by the	is Document may be applied for user and the supplier.							
		<mark>8</mark> Y-	0 N ; Motion passed.									
	Result of Vote (check one)		[Negative is related and persuasive.] > 1/3	Is a technical change Y recommended? (check one)	GO TO "Address by Technical Change Option" subsection							

							e is related and not ve.] < 2/3			N GO TO "Final" subsection → (E)				
					2/3 :	≤ [Ne	egative is related persuasive.] < 90%	GO TO "Final" s	ubse	ction → (C)				
				х	90%	₀ ≤ [N	Negative is related persuasive.]	GO TO "Not Sig	nifica	Int Finding Option" subsection				
					econ	nmei	ndations							
	Orig field		section/	para	agrap	oh ni	umber and at least o	one full sentence	are i	equired in "FROM" and "TO"				
			FROM:	Sect	tion/F	Para	graph XXX							
		1	TO: Se	ctior	n/Par	agra	aph xxx							
	Technical Changes		Justific	atio	n <mark>(lf</mark>	nece	essary)							
	ical Ch		FROM: Section/Paragraph XXX											
Addr	anges	2	TO: Section/Paragraph xxx											
ess b	0,		Justific	atio	n <mark>(lf</mark>	nece	essary)							
y T€														
≎chni	Moti	on				Neg	ative is addressed by	/ the technical cha	ange(s	\$).				
cal	Moti	on I	oy/2 nd by	/		Nam	ne (Company)/Name	(Company)						
Char	Disc	uss	ion											
ıge						XX	Y-XX N ; Motion pass	ed/failed.						
Address by Technical Change Option			sult of V heck on				2/3 ≤ [Negative is addressed by the technical change(s).] GO TO "Incorporation Technical Change" subsection							
_				,		[Negative is not addressed by the technical change(s).] < 2/3								
		Mo	otion			To incorporate the technical change(s).								
	Inco	Mo	otion by/2	2 nd k	by	Name (Company)/Name (Company)								
	Incorporation of the Technical Change	Di	scussior	1										
	al C					XX Y	Y-XX N ; Motion pass	ed/failed.						
	ו of th hang		Result o				90% ≤ [Agree to inco	orporate.]		GO TO "Final" subsection → (F)				
			(check		-		[Disagree to incorpo	-		GO TO "Final" subsection → (E)				
Not S							"if the TC Chapter ons voting on the ac			ersuasive by a vote equal to or 9.6.1.4.5.2)				
ignifi Op	Us	e o	f "Not	X		mutually agreed upon to term the Negative "not inificant". $GO TO "Final" subsection \rightarrow (D)$								
Significant Finding Option	significant				mutu nifica	ually agreed upon to ant".	term the Negative		GO TO "Final" subsection → (C)					
ndir	(5.		/		Whe	ether	or not the Negative	is "not significant"	is de	cided by a vote.				
βι		Mot	tion	The	Neg	ative	e is "not significant".							

	Motion by/ 2 nd by	Nar	Name (Company)/Name (Company)									
	Voto		XX Y-XX N; M	otion passed with simple majority	GO TO "Final" subsection \rightarrow (D)							
	Vote		XX Y-XX N; M	otion failed with simple majority	GO TO "Final" subsection \rightarrow (C)							
			(A)	Withdrawn (counted under h in c	lisposition)							
			(B)	Not related (counted under i in d	isposition)							
	(check if		(C)	Related and not persuasive (significant)								
Final	applicable)	Х	(D)	Not significant (counted under j i	in disposition)							
Ial			(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS							
			(F)	Addressed by technical change (c	ounted under k disposition)							
	(check if applicable)	x	Comment generated. See Section V-(ii) Comment # X.									

This table is needed for each Negative.

Negative 2

Neg	Referenced Section/ Paragraph	*TF/ 13.2	•	ncluding text in the ballot if nec	essary.								
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. It is not necessary to define specific drying methods in this standard											
TF i	nput (optional)			tive Voter was confirmed that t or drying, but not having specif									
	Withdrawal	x	No Negative withdrawa	I made by Voter.	GO TO "Related" subsection								
	(check one)		Withdrawal document r MM/DD/YYYY.	GO TO "Final" subsection → (A)									
	Motion and Reason	х	'Related' is mutually ag	GO TO "Persuasive" subsection									
			Negative is not related.	(Needs ≥2/3 votes to pass.)									
	(check one)		Reason	xxxx									
Rel	Motion by/ 2 nd by	Name (Company)/Name (Company)											
Related	Discussion												
		xX	Y-XX N; Motion passed/	failed.									
	Result of Vote (check one)		[Negative is not related	.] < 2/3	GO TO "Persuasive" subsection								
			2/3 ≤ [Negative is not re	elated.]	GO TO "Final" subsection → (B)								
Persuas ve	Motion and Reason	х	Negative is related and	persuasive. (Needs >1/3 votes	to pass.)								
uasi e	(check one)		Negative is related and	not persuasive. <mark>(Needs ≥2/3 vo</mark> t	tes to pass.)								

				Re	eason		drying				is having a descriptive list of change the nature of the list to
		otio 2 nd	n by/ by	Supika	Mashi	ro (TEL)/ Koi	chi Yan	namoto (Hitachi H	igh T	ech)	
	Di	scu	ssion								
				9 Y-0 N	; Moti	on passed.					
	Bos		of Vote			e is related ar ve.] > 1/3	nd	ls a technical change recommended?		Y	GO TO "Address by Technical Change Option" subsection
			(one)	pe	rsuasi	e is related ar ve.] < 2/3		(check one)		Ν	GO TO "Final" subsection → (E)
				an	id not p	egative is relation is relation of the second se	: 90%	GO TO "Final" s	ubse	ectio	n → (C)
				an	id not p	legative is rel persuasive.]	ated	GO TO "Not Sig	nifica	ant F	inding Option" subsection
	Technical Change Recor						t least o	one full sentence	are	requ	ired in "FROM" and "TO"
Address by Technical Change Option	Technical Changes	1	Dry the meets t equipm TO: Sec Dry the method supplied Justific FROM:	part un he spe ent. ction/Pa part un <u>s</u> so th <u>r of the</u> ation (I Section/Pa	Section/Paragraph 13.2.2.5 part under heat lamps or by blowing ultrapure nitrogen on the surface so that the CCC he specification agreed upon between the user and the supplier of the processing ent. ction/Paragraph 13.2.2.5 part under heat lamps, or by blowing ultrapure nitrogen on the surface, or by other a so that the CCC meets the specification agreed upon between the user and the of the processing equipment. ation (If necessary) Section/Paragraph XXX ction/Paragraph xxx						
ange	Moti				-		-	the technical cha	• •		
Opt	Moti	on k	oy/2 nd by	/	Supi	ka Mashiro (1	ΓEL)/ K	oichi Yamamoto (Hitac	hi Hi	gh Tech)
tion	Disc	uss	ion								
					<mark>9 Y-(</mark>	0 N; Motion p	assed				-
			sult of V <mark>heck on</mark>			change(s).]		ldressed by the te			GO TO "Incorporation of the Technical Change" subsection
						[Negative is r change(s).] <		ressed by the tecl	nnical		GO TO "Final" subsection → (E)
	_ <u>-</u>	Мс	otion					nical change(s).			
	tion	Мо	tion by/	2 nd by	Supi	Supika Mashiro (TEL)/ Koichi Yamamoto (Hitachi High Tech)					
	pora of	Motion by/2 Motion by/2 Discussion									

			9 Y-	0 N; Moti	on passed.								
	Result o		×	90% ≤ [A	Agree to incorporate.]	GO TO "Final" subsection → (F)							
	(check	one)		[Disagre	e to incorporate.]>10%	GO TO "Final" subsection → (E)							
No		This option can be used only "if the TC Chapter finds a Negative not persuasive by a vote equal to or preater than 90% of the persons voting on the action". (<i>Regulations</i> ¶ 9.6.1.4.5.2)											
t Sigr	Use of "Not		s mutu nificar		eed upon to term the Negative "not	GO TO "Final" subsection \rightarrow (D)							
Not Significant Finding Option	significant finding option" (check one)		is mutually agreed upon to term the Negative ignificant".			GO TO "Final" subsection → (C)							
Fin	· · · ·	Wh	Whether or not the Negative is "not significant" is decided by a vote.										
din	Motion	The Ne	gative	is "not s	ignificant".								
g	Motion by/ 2 nd by	Name (Comp	any)/Nar	ne (Company)								
	Vote	XX	Y-XX	N ; Motic	on passed with simple majority	GO TO "Final" subsection \rightarrow (D)							
	vole	xx	Y-XX	N ; Motic	on failed with simple majority	GO TO "Final" subsection \rightarrow (C)							
			(/	4)	Withdrawn (counted under h in disp	osition)							
			(E	B)	Not related (counted under i in disp	osition)							
	(check if		((C)	Related and not persuasive (signification	nt)							
Final	applicable)])	D)	Not significant (counted under j in d	isposition)							
a			(1	E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS							
		Х	(F)	Addressed by technical change (cour	nted under k disposition)							
	(check if applicable)	Co	mmer	nt genera	ted. See Section V-(ii) Comment # X.								

Negative 3

	Referenced Section/	*TF/	TC Chapter to fill in, ir	ncluding text in the ballot if nec	essary.					
Neg	Paragraph	13.2.4								
Negative	Negative Text	*Ori cop		ve text (e.g., issue, justification	, suggestion) should be					
	nogative reat	lt is	better to change the s	subsection to 13.3.						
TF i	input <mark>(optional)</mark>									
	Withdrawal	х	No Negative withdrawa	GO TO "Related" subsection						
1	(check one)		Withdrawal document r MM/DD/YYYY.	GO TO "Final" subsection \rightarrow (A)						
R	Motion and	х	'Related' is mutually ag	reed upon. (Needs no motion.)	GO TO "Persuasive" subsection					
Related	Reason		Negative is not related.	(Needs ≥2/3 votes to pass.)						
ed	(check one)		Reason	xxxx						

		otio 2 nd	on by/ by	Name ((Company)/Name (Co	ompar	ıy)			
	Di	scu	ssion							
				XX Y-X	X N ; Motion passed/	failed				
			of Vote	[N	egative is not related		GO TO "Persuasive" subsection			
				2/3	3 ≤ [Negative is not re	elated]			GO TO "Final" subsection → (B)
				Ne	egative is related and	persu	asive. <mark>(Needs</mark> >1/	' <mark>3 vo</mark> t	es t	o pass.)
	I	Rea	n and son <mark>< one)</mark>	X Ne	egative is related and	not p	ersuasive. <mark>(Needs</mark>	≥2/3	vot	es to pass.)
				Re	Reason There is no evidence (technical/procedural) to refute the of the section. Therefore the Negative is of an editorial r					
		otio 2 nd	on by/ by		Mashiro (TEL)/ Koicl			<u> </u>		
Persuasive	Di	scu	ssion	As an editorial suggestion, it makes sense to set section 13.2.4 one paragraph level higher. Set section 13.2.4 one paragraph level higher (13.3), and adjust remainder of sections as necessary is recommended as an editorial change.						
ISİVE				9 Y-0 N	; Motion passed.					
÷	Result of Vote				egative is related and ersuasive.] > 1/3	ł	ls a technical change recommended?		Y	GO TO "Address by Technical Change Option" subsection
		(check one)			egative is related and ersuasive.] < 2/3		(check one)		Ν	GO TO "Final" subsection → (E)
				an	3 ≤ [Negative is relate id not persuasive.] < 9	90%	GO TO "Final" s	ubse	ctio	n → (C)
					X 90% ≤ [Negative is related and not persuasive.] GO TO "Not Significant Finding Option" subset					
					ommendations	least	one full sentence	are r	eau	ired in "FROM" and "TO"
	field	s.			n/Paragraph				-	
Addi				Section	i/Falayiapii					
ress b	_	1	TO: Se	ction/Pa	aragraph					
у Тес	echni		Justific	ation <mark>(</mark>	lf necessary)					
hnical	Technical Changes	F	FROM:	Section	n/Paragraph XXX					
Address by Technical Change Option	anges	2	TO: Se	ction/Pa	aragraph xxx					
je Opt			Justific	ation (I	lf necessary)					
tion										
	Moti	on			Negative is addressed by the technical change(s).					
	Moti	on k	oy/2 nd by	/	Name (Company)/I	Name	(Company)			

	Disc	ussion										
	<u> </u>				י XX	Y-XX N; №	lotion passed/failed.					
		Result of V (check on				Í Í	egative is addressed by the technical	GO TO "Incorporation of the Technical Change" subsection				
		·	- 			[Negative change(s	e is not addressed by the technical b).] < 2/3	GO TO "Final" subsection → (E)				
		Motion			To incorporate the technical change(s).							
	Inco	Motion by/2	2 nd k	у	Name (Company)/Name (Company)							
	Incorporation of the Technical Change	Discussion	ı									
	al C	1			XX '	Y-XX N; N	lotion passed/failed.					
	n of th hang		ult of Vote leck one)			90% ≤ [A	gree to incorporate.]	GO TO "Final" subsection → (F)				
	, i						e to incorporate.]>10%	GO TO "Final" subsection → (E)				
No							C Chapter finds a Negative not person g on the action". (<i>Regulations</i> ¶ 9.6.					
t Sigr	Us	e of "Not	x	lt is sign			ed upon to term the Negative "not	GO TO "Final" subsection → (D)				
Not Significant Option	siq findi	significant nding option" (check one)			mutu nifica		ed upon to term the Negative	GO TO "Final" subsection → (C)				
Fin				Whe	ether	or not the	e Negative is "not significant" is decide	d by a vote.				
Finding	1	Motion	The	Nega	Negative is "not significant".							
g		otion by/ 2 nd by	Nan	ne (C	omp	oany)/Nam	ne (Company)					
		Vote		xx ۱	Y-XX	(N ; Motio	n passed with simple majority	GO TO "Final" subsection → (D)				
		Vole		XX	Y-XX	(N ; Motio	n failed with simple majority	GO TO "Final" subsection → (C)				
					(/	A)	Withdrawn <mark>(counted under h in disp</mark>	osition)				
					(B)	Not related (counted under i in dispe	osition)				
	6	check if			(C)	Related and not persuasive (significar	nt)				
Final		plicable)	Х		(D)	Not significant <mark>(counted under j in di</mark>	sposition)				
ā						E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS				
					(F)	Addressed by technical change (cour	ted under k disposition)				
		check if plicable)	X	Corr	ımer	nt generat	ted. See Section V-(ii) Comment # X.					

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

3	Original number (#) of Negatives	(g)
0	Number of Negatives withdrawn	(h)

0	Number	of N	(i)				
2	Number of Negatives found not significant				(j)		
1	Number	Number of Negatives addressed by technical change (Negative change (k) (k)					
		x	g - (h + i + j + k) = 0	Reject is Not Valid and denominator of § VI. A	l is not included in the proval Conditions Check		
	Final		g - (h + i + j + k) >0	Reject is included in the Approval Conditions C	ne denominator of § VI. Check		
			Reject without a Negative	Not Valid			

This table is needed for each Voting Interest Reject.

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* ¶ 9.6.1.4.5.2)

Voting Interest Reject 2 (Voting Interest Name: XXXXXX) Voter Reject 1 (Voter: Name and company)

Negative 1 Negative 2

IV. Other Technical Issues

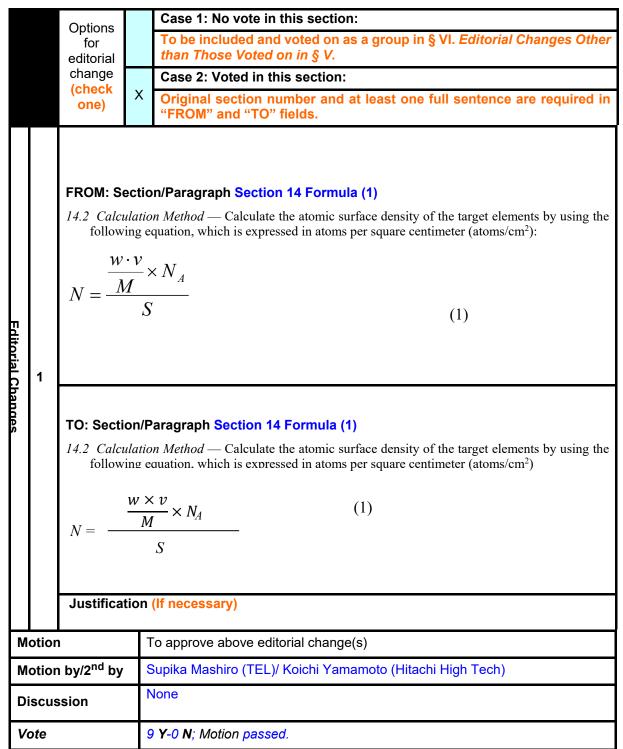
Note: TC Chapter may choose to address a technical issue that is not part of a Negative received on a Letter Ballot (i.e., a Comment or a reason not addressed by a Vote response) by handling it as a Negative and finding it related and technically persuasive. The TC Chapter may then fail the Document or address such technical issue by using the procedure defined in *Regulations* § 9.6.1.4.3 to make a technical change to the Document. (*Regulations* ¶ 9.6.1.4.2.5)

V. Comments

V- (i) Voters' Comments

Commenter 1 (David Bouldin/Fab Consulting) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary. 14						
	14 In Eq. 1, change the middle dot to the multiplication symbol x per Style Manual 6-9(3).						
	The TC Chapter agreed to do one of the following actions.						
	*No motion is required in this step.						
Þ	Already addressed by Commenter #, Comment #						
Action		No further action was taken by the TC Chapter.					
ſ		Refer to the TF for more consideration.					
		New Business					
	Х	Editorial Change					



This table is needed for each Comment accompanied a Vote

V-(ii) Comments Created by Handling Negative

Comment (Created by Handling Negative) NC - 1

*TF/TC Chapter to fill inThe TF thought that it would be useful to add NOTE XX: This Document may be applied for
a refurbished CCC if such application is agreed upon by the user and the supplier, after 2.2.

-	Th	TC Chanton	a groad to do one of the following actions					
		The TC Chapter agreed to do one of the following actions. *No motion is required in this step.						
	Already addressed by Commenter # Comment #							
Action			ction was taken by the TC Chapter.					
ň			TF for more consideration.					
		New busine	SS					
	Х	Editorial cha	ange					
		Options	Case 1: No vote in this section:					
		for editorial	To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.					
		change (check	Case 2: Voted in this section:					
		one)	X Original section number and at least one full sentence are required in "FROM" and "TO" fields.					
		FROM: Section/Paragraph 2.2 This document applies to an unused CCC or its parts.						
Edit	1	TO: Section/Paragraph 2.2 This document applies to an unused CCC or its parts. <u>NOTE XX: This Document may be applied for a refurbished CCC if such application is</u> agreed upon by the user and the supplier.						
Editorial Changes		Justification (If necessary)						
nanges		FROM: Sec	ction/Paragraph xxx					
	2	TO: Section/Paragraph xxx						
		Justificatio	on (If necessary)					
М	otior	1	To approve above editorial change(s)					
М	otior	ı by/2 nd by	Supika Mashiro (TEL)/ Koichi Yamamoto (Hitachi High Tech)					
D	iscus	sion	None					
V	ote		9 Y-0 N; Motion passed.					
	able is readed for each Comment exected by bondling Negative							

This table is needed for each Comment created by handling Negative.

Comment (Created by Handling Negative) NC – 3

Co	*TF/TC Chapter to fill in As an editorial suggestion, it makes sense to set section 13.2.4 one paragraph level higher
mm	As an editorial suggestion, it makes sense to set section 13.2.4 one paragraph level higher (13.3) and adjust remainder of sections as necessary is recommended as an editorial change

	The TC Chapter agreed to do one of the following actions.							
	*No motion is required in this step.							
Action	Already addressed by Commenter #, Comment #							
tion	No further action was taken by the TC Chapter.							
				for more consideration.				
	Х	New busir						
	^	Editorial c	nanç	Case 1: No vote in this section:				
		Options for		To be included and voted on as a group in § VI. Editorial Changes Other				
		editorial		than Those Voted on in § V.				
		change (check	v	Case 2: Voted in this section:				
		one)	Х	Original section number and at least one full sentence are required in "FROM" and "TO" fields.				
Editorial Changes	 FROM: Section/Paragraph 13.2.4 13.2.4 Measurement 13.2.4.1 Tune and optimize the ICP-MS as per manufacturer's specifications. 13.2.4.2 Run the calibration standards that were agreed upon between analytical laborator, and the user or the supplier of the processing equipment, reagent blank, and standard check to generate a calibration curve. 13.2.4.3 Once a calibration meets the quality criteria, the sample analysis may begin. 13.2.4.4 For high-metal/matrix samples, dilute the samples as needed to a concentration within the range of the calibration range. TO: Section/Paragraph 13.3 13.32.4.1 Tune and optimize the ICP-MS as per manufacturer's specifications. 13.32.4.2 Run the calibration standards that were agreed upon between analytical laborator and the user or the supplier of the processing equipment, reagent blank, and standard check to generate a calibration standards that were agreed upon between analytical laborator and the user or the supplier of the processing equipment, reagent blank, and standard check to generate a calibration curve. 13.32.4.3 Once a calibration meets the quality criteria, the sample analysis may begin. 13.32.4.4 For high-metal/matrix samples, dilute the samples as needed to a concentration to generate a calibration curve. 							
<i>,</i>		within the range of the calibration range. Justification (If necessary)						
		FROM: S	ecti	on/Paragraph xxx				
	2	TO: Sect	ion/l	Paragraph xxx				
		Justifica	tion	(If necessary)				
М	otion	1	1	o approve above editorial change(s)				
М	otion	ı by/2 nd by	5	Supika Mashiro (TEL)/ Koichi Yamamoto (Hitachi High Tech)				
Di	iscus	sion	١	None				

Vote	9 Y-0 N; Motion passed.

VI. Editorial Changes Other than Those Voted on in § V

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

	Origin of t	this editorial change		Commenter(s) / Comment(s) #			
	(Check one)			Other []			
1	FROM: Se	ection/Paragraph XX	X				
	TO: Secti	on/Paragraph XXX					
	Justificat	ion: (If necessary)					
	Origin of this editorial change (Check one)			Commenter(s) / Comment(s) #			
				Other []			
2	FROM: Section/Paragraph XXX						
	TO: Section/Paragraph XXX						
	Justification: (If necessary)						
Motion		To approve the above editorial change(s).					
Motion by/ 2 nd by		Name (Company)/Name (Company)					
Dis	scussion	XXXX					
	Vote	XX Y-XX N; Motion	oass	ed (or failed)			

VII. Approval Conditions Check

VII. - (i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change. (*Regulations* ¶ 9.6.2.1.2)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations* ¶ 9.6.2.1.3)

		Accepts		(Accepts + Valid Rejects)			
Approval Rate	=	32	/	32	=	100.0%	 ≥90%

Note: If both approval conditions are not satisfied, the Document fails.

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

Note: See *Regulations* § 9.6.2 for further information.

Globally Approved (No Ratification Ballot needed): The Letter Ballot meets the Letter Ballot approval conditions for the global technical committee.

Need a Ratification Ballot:

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

VIII. Safety Check

X

Note: See Regulations § 15 for further information.

	x	Tł is	This is not a Safety Document , when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations</i> ¶ 8.7.1)							
Viotior			This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations</i> ¶ 8.7.2)							
Ĩ			Safety Checklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (<i>Regulations</i> ¶ 15.1.2)							
Motion by/2 nd by Supika Mashiro (TEL)/ Koichi Yamamoto (Hitachi High Tech)				Supika Mashiro (TEL)/ Koichi Yamamoto (Hitachi High Tech)						
	D	isc	ussion	None						
	Vote			9 Y-0 N; Motion passed						

IX. Intellectual Property (IP) Check

Note: This Letter Ballot may cover all or part of a Standard or Safety Guideline. Regardless of the coverage, this IP check applies to the entire Standard or Safety Guideline*. See *Regulations* § 16 for further information.

х	The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see <i>Regulations</i> ¶ 16.3.1.1) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations</i> ¶ 16.4.1.2) in the Standard or Safety Guideline. (Also see, <i>Regulations</i> § 8.8)						
	X	The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.)	GO TO SECTION X.				
		The question is answered in affirmative	ls any of the known IPs a patented		Yes, at least one of them is a patented technology	GO TO IX (a) "Patented Technology" subsection	
			technology?		No	GO TO IX (b) "Copyright items" subsection	

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

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

IX(a2) Assessment of disclosed patented technologies

Disclosed patented techno (<i>Brief description, e.g., pate</i>	ıber):	Date of Asse Letter Ballot MM/DD/YYY	adju		erent from the date of	
Is disclosed patented	YES (It is a PMPT)		se of this echnically		YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(a3)
technology #1 found to be "might be material" to the Standard/Safety Guideline?		justified?			NO	The Document is failed and returned to the TF
	NO	No furth	er action is nee	ded f	or patente	d technology #1

This table is needed for each disclosed patented technology.

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

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

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

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

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

IX(b2) Assessment of disclosed copyrighted items

Disclosed copyrighted item (Brief description of its use	e Docume	nt):			
Is disclosed copyrighted	YES	Is the use/reproduction of this copyrighted item		YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(b3)
item #1 used or reproduced in the Standard/Safety Guideline?	120	technically justified?		NO	The Document is failed and returned to the TF
	NO	No further action is nee	ded f	or copyrigi	nted item #1

This table is needed for each disclosed copyrighted item.

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

Copyright release Status of copyrighted item #1								
Has the copyright release been received					ED to assess NEXT one, or the last one, GO TO IX(c)			
from its owner ?.		NO	≤ Ask ISC for special permission to publish.					

			Quit activity.	The Document is failed and returned to the TF
			Wait for copyright release letter	PROCEED to check NEXT one, or if this is the last one, GO TO IX(c)
	Mot	ion	by/ 2 nd by	Name (Company)/Name (Company)
		cuss	sion	XXXX
	Vote			XX Y-XX N; Motion passed (or failed)

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

IX(c) Assessment of disclosed (identified) trademark

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

IX(d) IP check completion condition check

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

X. Action for This Document

			nent passed TC Chapter review as balloted and will be forwarded to the ISC A&R cedural review.							
Mo			ocument passed TC Chapter review with editorial changes and will be forwarded to the R SC for procedural review.							
Motion	x	editorial ch	is Document passed TC Chapter review with technical changes and with or without itorial changes and will be forwarded to the ISC A&R SC for procedural review. A atification Ballot will be issued to verify the technical changes.							
		This Docur	ment failed TC Chapter review and will be returned to the TF for rework.							
		This Docur	cument failed TC Chapter review and work will be discontinued.							
Motion by/ 2 nd by Supika Mashiro (TEL)/ Koichi Yamamoto (Hitachi High Tech)										
0	Disc	ussion	None							
Vote 9 Y-0 N										
F	inal	Action	X Motion passed							
			Motion failed							

Note: If the use of PMPT or copyrighted item is justified by the TC Chapter, LOA or release form must be received before publication can proceed.