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

Region/Locale: North America Global Technical Committee: EHS TC Chapter Cochairs: Sean Larsen (Lam Research), Chris Evanston (Salus Engineering), Bert Planting (ASML) Standards Staff: Kevin Nguyen

	Scheduled in Background Statement	Actual
Date	11/10/2016	11/10/2016
Location	SEMI HQ, San Jose, CA	SEMI HQ, San Jose, CA
Reason for Change of Date and/or Location (if changed)		

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

Document Information

I. Document Number, Title, Lists of Line Items

Doc 4683	ument Number J	Document Title Line Item Revision to SEMI S2-0715, Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment. Delayed Revisions Related to Chemical Exposure
List	Line Item 1	Line Item Title Delayed Revisions Related to Chemical Exposure Criteria

Line Item 1 Adjudication

II. Tally

Standards staff to fill in.

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

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (*Regulations* ¶ 9.7.1.1)

Returned Votes		Distribution		Return Rate	
55	÷	91	=	60.4%	≥60%
20]				
1		Total	Vote	rs with Rejects	1
37]				
	Returned Votes 55 20 1 37	Returned Votes 55 ÷ 20 1 37 37	Returned Votes Distribution 55 ÷ 20 - 1 Total 37 -	Returned Votes Distribution 55 ÷ 91 = 20 - - - 1 Total Vote - - 37 - - -	Returned Votes Distribution Return Rate 55 ÷ 91 = 60.4% 20 - - - 1 Total Voters with Rejects 37 - -

Voting Tally (with example values):

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

III. Rejects Voting Interest Reject 1 (Voting Interest Name: AMAT) Voter Reject 1 (Voter: Applied Materials: Ed Karl) Negative 1

	Referenced	*TF/TC Chapter to fill in, including text in the ballot if necessary.							
	Section/ Paragraph	23.5.3, NOTE XX							
		*Ori cop	iginal complete Negativ ied.	/e text (e.g., issue, justification	, suggestion) should be				
		Nega	ative						
Negativ		The sentence, "Selection of the lowest applicable OEL based on the target SOC9S0 and exposure duration" is problematic because it causes ambiguity to the normative portion of Section 23.5.3 which states "applicable", not "lowest applicable".							
e	Negative Text	Proposed Solution: Change Note XX to the following, "Two online resources that can help initially identify applicable OELs around the world are: I OSHA annotated Permissible Exposure Limits (PEL) Tables (includes the ACGIH Threshold Limit Values - TLVs) which can be found at https://www.osha.gov/dsg/annotated-pels/. I GESTIS International Limit Values database which can be found at http://imitvalue.ifa.douv.do/Webform_gv2.aexx							
TF i	nput (optional)	Note provides guidance in recommendations and options, but no additional criteria.							
	Withdrawal	x	No Negative withdrawa	I made by Voter.	GO TO "Related" subsection				
1	(check one)		Withdrawal document re	eceived by Standards staff on	GO TO "Final" subsection → (A)				
	Motion and		'Related' is mutually age	reed upon. (Needs no motion.)	GO TO "Persuasive" subsection				
Re	Reason		Negative is not related.	(Needs ≥2/3 votes to pass.)					
lated	(check one)		Reason	XXXX					
	Motion by/ 2 nd by	Nan	ne (Company)/Name (C	ompany)					

				-						
	Di	scus	sion			_				
				XX Y	Y-XX N; Motion passed/failed	I				
	Res (ct	ult of	Vote		[Negative is not related.] < 2	GO TO "Persuasive" subsection				
	(0.		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2/3 ≤ [Negative is not related	l.]		GO TO "Final" subsection → (B)		
					Negative is related and pers	uasive. <mark>(Needs >1</mark> /	/3 vot	es to pass.)		
	Mc F	otion Reaso	and on	x	Negative is related and not p	ersuasive. (Needs	; ≥2/3	votes to pass.)		
			Jile)		Note Reason appli supp	son Note provides guidance to the normative t son applications for the selection of the app supplier				
P	M	otion 2 nd b	by/ y	Johr	n Visty (Salus Engineering)/C	liff Greenberg (Nik	on Pre	ecision)		
ersua	Di	scus	sion	Ed I norn	Karl said the sentence in the native portion of Section 23.5	e note is problema .3 which states "ap	atic be plicab	ecause it causes ambiguity to the ble", not "lowest applicable".		
ısiv				7 Y-	1 N; Motion passed.					
e	Pos	Result of Vote (check one)			[Negative is related and persuasive.] > 1/3	ls a technical change recommended?		Y GO TO "Address by Technical Change Option" subsection		
	(ch				[Negative is related and not persuasive.] < 2/3	(check one)		N GO TO "Final" subsection → (E)		
				x	$2/3 \leq [Negative is related and not persuasive.] < 90%$	GO TO "Final" s	ubse	ction → (C)		
					90% ≤ [Negative is related and not persuasive.]	GO TO "Not Sig	nifica	nt Finding Option" subsection		
	Tech	nical	Chang	je Re	ecommendations					
	Origi fields	nal s s.	ection/	para	graph number and at least	one full sentence	are r	equired in "FROM" and "TO"		
Addre		F	ROM: S	Sect	ion/Paragraph XXX					
ss by		1	O: Sec	ction	/Paragraph xxx					
Techr	Techn	-	lustific	atio	ion (If necessary)					
nical Ch	ical Cha	F	ROM: S	Sect	ion/Paragraph XXX					
nange C	anges	2	O: Sec	ction	/Paragraph xxx					
)ption			Justific		n (If necessary)					
	Motic	on .			Negative is addressed b	y the technical cha	inge(s	s).		
	Motion bv/2 nd by			,	Name (Company)/Name	e (Company)				

	Discu	ission							
		>		XX Y-XX N; Motion passed/failed.					
	Result of Vote (check one)					2/3 ≤ [Ne change(s	egative is addressed by the technical .).]	GO TO "Incorporation of the Technical Change" subsection	
					[Negative is not addressed by the technical change(s).] < 2/3			GO TO "Final" subsection → (E)	
		Motion	Motion			ncorporat	te the technical change(s).		
	Inco	Motion by/	2 nd b	by	Nam	ne (Compa	any)/Name (Company)		
	orpora	Discussior	ı						
	al C]	XX۱	<mark>∕-XX</mark> N; №	lotion passed/failed.		
	n of th	Result o	f Vot	te		90% ≤ [A	gree to incorporate.]	GO TO "Final" subsection → (F)	
	le e	(CNECK	one))		[Disagree	e to incorporate.]>10%	GO TO "Final" subsection → (E)	
-	This great	option can er than 90%	be us 6 of t	sed o he p	l only "if the TC Chapter finds a Negative not persuasive by a vote equal to or persons voting on the action". (<i>Regulations</i> ¶ 9.6.4.4.2)				
Vot Siç	Us	e of "Not		lt is ı signi	s mutually agreed upon to term the Negative "not nificant".			GO TO "Final" subsection → (D)	
ynificar	sig findi (ch	gnificant ng option" leck one)		lt is ı "sigr	mutu nifica	ually agree	ed upon to term the Negative	GO TO "Final" subsection → (C)	
Ŧ	Ì	,		Whe	ether	or not the	e Negative is "not significant" is decide	d by a vote.	
indi		Notion	The	Nega	egative is "not significant".				
ng Op	Mo	otion by/ 2 nd by	Nam	ne (C	omp	any)/Nam	ne (Company)		
otion		Voto		א xx	Y -XX N ; Motion passed with simple majority			GO TO "Final" subsection → (D)	
		Vote		XX Y	/ -XX	N ; Motio	n failed with simple majority	GO TO "Final" subsection → (C)	
					(/	۹)	Withdrawn <mark>(counted under h in disp</mark>	osition)	
					(3)	Not related (counted under i in dispe	osition)	
	((check if	х		((C)	Related and not persuasive (significar	nt)	
Fin	ap	plicable)			(D)	Not significant <mark>(counted under j in di</mark>	sposition)	
la					(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS	
					(F)	Addressed by technical change <mark>(cour</mark>	ted under k disposition)	
	(check if applicable)			Com	nmer	nt generat	ed. See Section V-(ii) Comment # X.		

This table is needed for each Negative.

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

#	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)							
			g - (h + i + j + k) = 0	Reject is Not Valid and denominator of § VI. A	is not included in the proval Conditions Check			
	Final		xg - (h + i + j + k) >0Reject is included in the Approval Conditions Con		ncluded in the denominator of § VI. Conditions Check			
			Reject without a Negative	Not Valid				

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3) Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

IV. Other Technical Issues

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)

1)											
Tec	Origin	*TF/TC Chapter to choose A reason not addressed by a Vote response section 23.5 should align use of word Reasonably foreseeable throughout paragraphs									
hnical	Referenced Section/	*TF/TC Chapter to fill in including text in the ballot as appropriate.									
lssu	Paragraph	23.	5.3, 23.5.4, 23.5.5								
le	Reason	Alię									
Hand	dle technical issu	ie ide	entified above as a Neg	jative.							
		x	'Related' is mutually ac	greed upon. (Needs no motion.)	GO TO "Persuasive" subsection						
	Motion and		Negative is not related and assigned to TF. (Needs ≥2/3 votes to pass.)								
	Reason (check one)		business. (Needs ≥2/3 votes to pass.)								
			Reason XXXX								
Rela	Motion by/ 2nd by	Name (Company)/Name (Company)									
ted	Discussion										
		XX Y-XX N; Motion passed/failed.									
	Result of Vote		[Negative is not related	I.] <2/3	GO TO "Persuasive" subsection						
	(check one)										
			$2/3 \le [Negative is not r]$	elated] and assigned to TF.	GO TO "Final"						
			2/3 ≤ [Negative is not r 2/3 ≤ [Negative is not current TC Chapter me	elated] and assigned to TF. related] and placed on agenda of eting as new business.	GO TO "Final" subsection → (B)						
		x	2/3 ≤ [Negative is not r 2/3 ≤ [Negative is not current TC Chapter me Negative is related and	elated] and assigned to TF. related] and placed on agenda of eeting as new business. I persuasive. (Needs >1/3 votes to p	GO TO "Final" subsection → (B) pass.)						
Pe	Motion and Reason (check one)	x	 2/3 ≤ [Negative is not r 2/3 ≤ [Negative is not current TC Chapter me Negative is related and Negative is related and 	elated] and assigned to TF. related] and placed on agenda of eeting as new business. I persuasive. (Needs >1/3 votes to p I not persuasive. (Needs ≥2/3 votes	GO TO "Final" subsection → (B) pass.) to pass.)						
Persuasi	Motion and Reason (check one)	x	 2/3 ≤ [Negative is not r 2/3 ≤ [Negative is not current TC Chapter me Negative is related and Negative is related and Reason 	elated] and assigned to TF. related] and placed on agenda of eeting as new business. I persuasive. (Needs >1/3 votes to p not persuasive. (Needs ≥2/3 votes of XXXX	GO TO "Final" subsection → (B) pass.) to pass.)						
Persuasive	Motion and Reason (check one) Motion by/ 2 nd by	X	 2/3 ≤ [Negative is not r 2/3 ≤ [Negative is not current TC Chapter me Negative is related and Negative is related and Reason Nisty (Salus Engineeri 	elated] and assigned to TF. related] and placed on agenda of eeting as new business. It persuasive. (Needs >1/3 votes to p It not persuasive. (Needs ≥2/3 votes XXXX ng)/Cliff Greenberg (Nikon Precision)	GO TO "Final" subsection → (B) pass.) to pass.)						
Persuasive	Motion and Reason (check one) Motion by/ 2 nd by Discussion	X	 2/3 ≤ [Negative is not r 2/3 ≤ [Negative is not current TC Chapter me Negative is related and Negative is related and Reason Nisty (Salus Engineeri 	elated] and assigned to TF. related] and placed on agenda of eeting as new business. I persuasive. (Needs >1/3 votes to p I not persuasive. (Needs ≥2/3 votes XXXX ng)/Cliff Greenberg (Nikon Precision)	GO TO "Final" subsection → (B) pass.) to pass.)						

	Dee	. 14 .	- E.V 4-	x	[Negative is related and persuasive.] > 1/3	Is a technical change	x	Y	GO TO "Address by Technical Change Option" subsection	
	Resi (ch	eck	of vote one)		[Negative is related and not persuasive.] < 2/3	(check one)		N	GO TO "Final" subsection → (E)	
				$2/3 \le [\text{Negative is related}]$ GO TO "Final" subsection \rightarrow (C)						
	Tech	nic	al Chan	ge R	ecommendations					
	Original section/paragraph number and at least one full sentence are required in "FROM" and " fields.									
Address by Technical Change Option	Technical Changes	1	FROM: 23.5.3 should demon Occupa Measu person TO: 23.5.3 should demon Occupa Measu exposu Justifi Alignm	Cher be strati ation reme be strati ation reme <u>reme</u> catio ent c	mical emissions to the workpl at the lowest practical level ing ambient SOC air conce al Exposure Limit(s) (Cont locations should be repre- reathing zones. mical emissions to the workpl at the lowest practical level ing ambient SOC air conce al Exposure Limit(s) (Cont locations should be repre- personnel breathing zones. n (If necessary) of terminology	ace environment of . Conformance entrations to be DEL(s)) during sentative of the for ace environment of . Conformance entrations to be DEL(s)) during sentative of the r	lurin to ti less nor orese lurin to ti less nor easo	g no his s tha rmal eeabl g no his s tha rmal onab	ormal equipment operation section can be shown by n 1% of the applicable equipment operation. le worst-case exposure in ormal equipment operation section can be shown by n 1% of the applicable equipment operation. ly foreseeable worst-case	
		2	23.5.4 level. concent Measur person 23.5.4 level. concent Measur exposur Justifi Alignm	Chea Conti tratio remended Chea Conti tratio remended rem	mical emissions during main formance to this section ca ons to be less than 25% of the ent locations should be repre- reathing zones. mical emissions during main formance to this section ca ons to be less than 25% of the ent locations should be repre- personnel breathing zones. n (If necessary) of terminology	tenance activities in be shown by ie applicable OEL sentative of the for tenance activities in be shown by ie applicable OEL sentative of the r	sho dem (s), orese sho dem (s), easo	uld ionsi durin ceab! uld ionsi durin nab	be at the lowest practical trating ambient SOC air ng maintenance activities. le worst-case exposure in be at the lowest practical trating ambient SOC air ng maintenance activities. ly foreseeable worst-case	
		3	FROM: 23.5.5 Confo to be Measu person	Che rmar less remo	mical emissions during equip nee to this section can be show than 25% of the applical ent locations should be repre preathing zones.	oment failures show on by demonstration ole OEL(s) during sentative of the for	uld b ng an ng a orese	be at nbie rea eeab	the lowest practical level. ent SOC air concentrations listic worst-case failure. le worst-case exposure in	

TO:

23.5.5 Chemical emissions during equipment failures should be at the lowest practical level. Conformance to this section can be shown by demonstrating ambient SOC air concentrations to be less than 25% of the applicable OEL(s) during a realistic worst-case failure. Measurement locations should be representative of the **reasonably** foreseeable worst-case exposure in personnel breathing zones.

Justification (If necessary) Alignment of terminology

L											
ſ	Motion				Negative is addressed by the technical change(s).						
	Motion by/2 nd by				Jo	John Visty (Salus Engineering)/ Bert Planting (ASML)					
ſ	Discussion Result of Vote (check one)										
ſ				6	Y-0 N; Mot	ion passed					
				x	2/3 ≤ [Ne change(s	gative is addressed by the technical).]	GO TO "Incorporation of the Technical Change" subsection				
			[Negative is not addressed by the technical change(s).] < 2/3		is not addressed by the technical).] < 2/3	GO TO "Final" subsection → (E)					
ſ	Motion			To incorporate the technical change(s).							
	Inc	Motion by	/2 nd	by	John Visty (Salus Engineering)/Bert Planting (ASML)						
	orpora	Discussio	n								
	al C				7	7 Y-0 N; Motion passed					
Ľ	ר ז of th hange	Result o	of Vote k one)		x	 x 90% ≤ [Agree to incorporate.] [Disagree to incorporate.] >10% 		GO TO "Final" subsection → (F)			
	e	(Check						GO TO "Final" subsection → (E)			
I						(B)	Not related				
l						(C)	Related and not persuasive				
	(ch	eck one)				(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS			
			х			(F)	Addressed by technical change				
	(check if applicable)			Co	mm	ent genera	ted. See Section V-(ii) Comment # X.				

2)		
Techn	Origin	*TF/TC Chapter to choose A reason not addressed by a Vote response Section 23.5.3 Exception should align the use of word "Process" to "Processing"
ica	Referenced	*TF/TC Chapter to fill in including text in the ballot as appropriate.
Issu	Section/ Paragraph	23.5.3 Exception
Je	Reason	Alignment of terminology

Han	dle teo	:hn	ical issu	ie ide	entified above as a Neg	jative.						
				x	'Related' is mutually ag	greed up	oon. (Needs no mot	ion.)		GO TO "Persuasive" subsection		
	Motion and Reason (check one)				Negative is not related and assigned to TF. (Needs ≥2/3 votes to pass.)							
					Negative is not related business. (Needs ≥2/3	and pla votes t	iced on agenda of c to pass.)	urren	t TC	Chapter meeting as new		
					Reason							
Rela	Mc 2	otio 2nd	n by/ by	Nai	me (Company)/Name (C	ompany	/)					
ted	Dis	scu	ssion									
				XX	Y-XX N; Motion passed	/failed.						
	Resu	ult e	of Vote		[Negative is not related	1.] <2/3				GO TO "Persuasive" subsection		
	(ch	eck	cone)		2/3 ≤ [Negative is not r	elated] a	and assigned to TF.			GO TO "Final"		
					2/3 ≤ [Negative is not current TC Chapter me	related eting as	l] and placed on ag s new business.	jenda	a of	subsection → (B)		
				x	Negative is related and	to p	pass.)					
	Mo R (ch	Motion and Reason <mark>(check one)</mark>			Negative is related and not persuasive. (Needs ≥2/3 votes					to pass.)		
					Reason XXXX							
oersua	Mo	Motion by/ 2 nd by			John Visty (Salus Engineering)/ Cliff Greenberg (Nikon Precision)							
asiv	Dis	scu	ssion									
e				9 '	Y-0 N; Motion passed							
	Resi	ult e	of Vote	x	[Negative is related and persuasive.] > 1/3		ls a technical change	x	Y	GO TO "Address by Technical Change Option" subsection		
	(ch	eck	(one)		[Negative is related and not persuasive.] < 2/3		recommended? (check one)		Ν	GO TO "Final" subsection → (E)		
					2/3 ≤ [Negative is related and not persuasive.] < 90% GO TO "Final"			subsection → (C)				
	Tech	nic	al Chan	ge R	ecommendations							
Address t	Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.											
لې ۲			FROM:	Sec	tion 23.5.3							
rechnical	Technical	1	EXCE SEMI	PTIC S6 fe	DN: Sampling during or the definition of close	g norma sed pro	I operations for clocessing equipment	osed t), is	proo not 1	cess equipment (see required.		
Chi	Ch	'	TO: Se	ctior	n 23.5.3							
ange	anges		EXCE SEMI	PTIC S6 fo	PTION: Sampling during normal operations for closed processing equipment (see S6 for the definition of closed processing equipment), is not required.							

		Justifi Alignm	catio ent o	on (lf of te	i ne rmi	cessary) nology				
	Motion			Ne	Negative is addressed by the technical change(s).					
	Moti	on by/2 nd b	у		Jo	hn Visty (S	Salus Engineering)/ Bert Planting (ASML)			
	Disc	ussion								
					8	Y-0 N; Mot	ion passed			
	Result of Vote (check one)				x	2/3 ≤ [Ne change(s	gative is addressed by the technical).]	GO TO "Incorporation of the Technical Change" subsection		
						[Negative change(s	GO TO "Final" subsection → (E)			
		Motion			To incorporate the technical change(s).					
	^T In	Motion by	/2 nd	by	Jo	ohn Visty (Salus Engineering)/ Bert Planting (ASML)				
	orpora ochnica	Discussion								
	al C				<mark>6</mark> `	Y-0 N; Mot	ion passed			
	h of th	Result o	Result of Vote (check one)		x	 x 90% ≤ [Agree to incorporate.] [Disagree to incorporate.] >10% 		GO TO "Final" subsection → (F)		
	e	(Check						GO TO "Final" subsection → (E)		
						(B)	Not related			
						(C)	Related and not persuasive			
Fina	(ch	(check one)			(E)		Related and persuasive and not addressed by technical change	DOCUMENT FAILS		
-			х			(F)	Addressed by technical change			
	(check if applicable)			Co	mm	ent genera	ted. See Section V-(ii) Comment # X.			

V. Comments V- (i) Voters' Comments Commenter 1 (SCREEN Semiconductor Solutions: Ryosuke Imamiya) - Comment 1

	*TF/TC Chapter to fill in section/paragraph #, if necessary.
B	Abstain with comments
mment	23.5.3 EXCEPTION There are no words for "closed process equipment" in SEMI S6. It was "closed processing equipment". In addition, I could not understand the definition of "closed processing equipment" in SEMI S6. I wonder there should be a wafer in/out to open the chamber in normal operations of closed process equipment and the closed process equipment might have some chemical emissions. I suggest adding a reason of the exception.
	The TC Chapter agreed to do one of the following actions.
Ĕ.	*No motion is required in this step.

		Already addressed by Commenter #, Comment #							
Ì		No further action was taken by the TC Chapter.							
		Refer to the TF for more consideration.							
		New Busi	ness						
	Х	Editorial Change							
		Options		Case 1: No vote in this section:					
		for editorial	x	To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.					
		change		Case 2: Voted in this section:					
		one)		Original section number and at least one full sentence are required in "FROM" and "TO" fields.					

Commenter 2 (Lam Research: Brian Claes) - Comment 1

	*TF	TC Chapte	er to	fill in section/paragraph #, if necessary.					
Co	Abstain with comments COMMENT Revise the 3 rd sentence in the clause to read: "The sample location(s) and conditions should be representative of the reasonably foreseeable, worst- case <u>exposure in</u> personnel breathing zone(s)."								
nment	RATIONALE: The current text in 4683J reads: 23.5 "The sample location(s) and conditions should be representative of the reasonably foreseeable, worst-case, personnel breathing zone								
	The <mark>wors</mark> It is	The corresponding language that consistently appears Cl. 23.5.1 (23.5.3, 23.5.4 & 23.5.5) is: "foreseeable worst-case exposure in personnel breathing zones" It is recommended that the language be consistent throughout the Section.							
	The TC Chapter agreed to do one of the following actions.								
	*No motion is required in this step.								
		Already addressed by Commenter #, Comment #							
۲ ۲ ۲	х	No further	further action was taken by the TC Chapter.						
ΓΙ		Refer to th	r to the TF for more consideration.						
		New Busi	Business						
	Editorial Change								
	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)		Original section number and at least one full sentence are required in "FROM" and "TO" fields.					

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	x	Commenter(1) / Comment(s) 1						
	((Check one)		Other []						
	FROM:									
1	23.5.3 EXCEPTIC definition of	23.5.3 EXCEPTION: Sampling during normal operations for closed process equipment (see SEMI S6 for the definition of closed process equipment), is not required.								
	TO: 23.5.3 EXCEPTIC definition c	TO: 23.5.3 EXCEPTION: Sampling during normal operations for closed process equipment (see SEMI S6 for the definition of closed processing equipment), is not required.								
	Justification: (If necessary) Alignment of terminology of "Closed Processing Equipment" in SEMI S6									
Motion		To approve the abov	To approve the above editorial change(s).							
Motion by/ 2 nd by		John Visty (Salus Er	John Visty (Salus Engineering)/Cliff Greenberg (Nikon Precision)							
Dis	cussion	XXXX								
	Vote	7 Y-0 N; 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	=	37	/	38	=	97.4%	≥90%
							-

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

Note: See Regulations § 9.7.2 for further information.

Globally Approved (No Ratification Ballot needed): Line Item 1 meets the Letter Ballot approval conditions for the global technical committee.

Need a Ratification Ballot:

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

Checks for Entire Document Including All Approved Line Items

VIII. Safety Check

Χ

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

		Th 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> \P 8.7.1)								
Motior	x	Th teo	his is a Safety Document , when all safety-related information is removed, the Document is not chnically sound and complete. (<i>Regulations</i> ¶ 8.7.2)								
		x	Safety Che throughout	ecklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document t the balloting process. (<i>Regulations</i> ¶ 15.1.2)							
Γ	Motion by/2 nd by			John Visty (Salus Engineering)/ Bert Planting (ASML)							
	Discussion			XXXX							
	Vote			6 Y-0 N; Motion passed							

IX. Intellectual Property (IP) Check

Note: This IP check <u>applies to the entire Standard or Safety Guideline</u> including all the approved Line Items. See § 16 of the *Regulations* for further information.

x	The T mater 8.8.1	TC Chapter meeting chair asked those participating, if they were aware of any potentially prial patented technology or copyrighted items* in the Standard or Guideline. (<i>Regulations</i> ¶							
	х	No p copy	o potentially material patented technology or reproduction of opyrighted items is known.						
		Pote copy copy prese	ntially material patented technology or reproduction of righted items is known, but a Letter of Assurance (LOA) or right release letter for such items has been obtained or ented 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.							
	Ask ISC for special permission to publish.								
	n oti		Quit activity.						

Wait for L	.OA for	patented technology or release of copyrighted items.				
Motion by/2 nd by	Name (Company)/Name (Company)					
Discussion	XXXX					
Vote	XX Y-	XX N				
Final Action		Motion passed				
Final Action		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

2		Line A&R	item SC	(s) [X], [X] and [X] passed TC Chapter review as balloted and will be forwarded to the ISC for procedural review.					
M (Ch pplica		Line to the	Line item(s) [X], [X] and [X] passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.						
otion eck all ble item	x	x Line item(s) [1] passed TC Chapter review with technical changes and with editorial changes be forwarded to the ISC A&R SC for procedural review. A Ratification Ballot will be issued the technical changes.							
(SI		Line	Line item(s) [X], [X] and [X] failed TC Chapter review and will be returned to the TF for rework.						
		Line	Line item(s) [X], [X] and [X] failed TC Chapter review and work will be discontinued.						
Motion by	n by/ 2nd by		John Visty (Salus Engineering)/Bert Planting (ASML)						
Discu	ssior	1	XXXX						
Vo	te		5 Y	(-0 N					
Final		-	Х	Motion passed					
r mai A	Action			Motion failed					

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

A&R		Line item(s) [X], [X] and [X] are Approved for publication									
		Line item(s) [X], [X] and [X] are Approved pending acceptance of the Ratification Ballot									
		Line item(s) [X], [X] and [X] are Not approved									
	Reason:										