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

Region/Locale: North America
Global Technical Committee: Gases

TC Chapter Cochairs: Mohamed Saleem / Brooks Instrument

Standards Staff: Laura Nguyen

	Scheduled in Background Statement	Actual
Date	11/07/2023	11/07/2023
Location	SEMI HQ, Milpitas, CA/USA	SEMI HQ, Milpitas, CA/USA
Reason for Change of Date and/or Location (if changed)		

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

Document Information

I. Document Number, Title, Lists of Line Items

Docum 7098	nent Number	Document Title Line-Item Revision to SEMI C56-1116, Specification for Dichlorosilane				
List of Line Items	Line Item 1	Line Item Title Add chemical formula for dichlorosilane in title.				
t of ne ms	Line Item 2	Line Item Title Update throughout to comply to Regs, PM and SM				

Line Item 1 Adjudication

II. Tally

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):

48	÷	80	=	60.0%	≥60%
40]				
1		Total	Vote	rs with Rejects	1
36					
	40	1	1 Total	1 Total Votes	1 Total Voters with Rejects

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: Guru)

Voter Reject 1 (Voter: Eric Sklar / SafetyGuru)

Negative 1 (SG1-1)

Neg	ative 1 (SG1-1)										
Neg	Referenced Section	Title										
Negative	Negative Text	_	native: Replace "SiH2CL2" with "SiH2Cl2" ason/Justification: Correct typographical errors in the formula.									
	Withdrawal	X	No Negative withou	Irawa	Il made by Voter.	GO TO "Related" subsection						
	(check one)		Withdrawal docum MM/DD/YYYY.	nent r	received by Standards staff on	GO TO "Final" subsection → (A)						
Rela ted	Motion and Reason (check one)	X	'Related' is mutua	lly ag	reed upon. (Needs no motion.)	GO TO "Persuasive" subsection						
	Motion and Reason	X	Negative is related	d and	not persuasive. (Needs ≥2/3 vot	es to pass.)						
Per	(check one)		Reason Editorial to correct typographical errors in the formula.									
Persuasive	Motion by/ 2 nd by	By: Sec	Max van den Berg ond: Yanli Chen / A	/ Fes	to SE & Co. KG ed Materials, Inc.							
Ve	Discussion	Non	е									
	Result of Vote	15 Y	15 Y-0 N; Motion passed.									
	(check one)	X	2/3 ≤ [Negative is related and not persuasive.] < 90% GO TO "Final" subsection → (C)									
			(A)	With	drawn (counted under h in disp	osition)						
			(B)	Not ı	related (counted under i in dispo	osition)						
	(check if	X	(C)	Rela	ted and not persuasive (significar	nt)						
Final	applicable)		(D)		significant (counted under j in di	sposition)						
<u>a</u>			(E)	addr	ted and persuasive and not essed by technical change	DOCUMENT FAILS						
			(F)	Addr	essed by technical change (coun	ted under k disposition)						
	(check if applicable)	X	Comment generat	ted. See Section V-(ii) Comment # NC-1.								

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

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

			Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check			
Final	X	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 ¶ 9.6.1.4.5.2)

IV. Other Technical Issues None

V. Comments V- (i) Voters' Comments None

V-(ii) Comments Created by Handling Negative Comment (Created by Handling Negative) NC – 1

IIIICI	11.	Createu	oy i	landling Negative) NC – 1								
Comment	*7	F/TC Chap	ter t	o fill in								
13	N	egative: F	Renla	ce "SiH2CL2" with "SiH2Cl2"								
en		Reason/Justification: Correct typographical errors in the formula.										
	<i>'</i> \	cason/oastn	noun	on. Concertypographical entries in the formula.								
	Т	he TC Cha	pter	agreed to do one of the following actions.								
	*	No motion	is re	quired in this step.								
Α		Already a	ddres	ssed by Commenter #, Comment #								
Action		No further	actio	on was taken by the TC Chapter.								
-		Refer to the	ne TF	for more consideration.								
		New busir	ness									
	X	Editorial c	hang	je								
		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 one)		Case 2: Voted in this section:								
			X	Original section number and at least one full sentence are required in "FROM" and "TO" fields.								
		FROM: S	ectio	on/Paragraph Title								
Edito		SPECIFI	FICATION FOR DICHLOROSILANE (SiH2Cl2)									
rial C	1	TO: Sect	TO: Section/Paragraph Title									
Editorial Changes		SPECIFI	CAT	TION FOR DICHLOROSILANE (SiH ₂ 2Cl ₂ 2)								
Š				(If necessary)								
		Editorial to	o cor	rect typographical error.								

Motion To approve above editorial change(s)						
Motion by/2 nd by	By: Max van den Berg / Festo SE & Co. KG Second: Yanli Chen / Applied Materials, Inc.					
Discussion	None					
Vote	15 Y-0 N; Motion passed.					

VI. Editorial Changes Other than Those Voted on in § V None

VII. Approval Conditions Check

VII. - (i). Approval Rate

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

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

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

		Accepts	(Accepts + Valid Rejects)			
Approval Rate	=	36	37	= [97.3%	≥90%

II. – (ii) Approval Level (check one)

Note: See Regulations § 9.6.2 for further information.



Globally Approved (No Ratification Ballot needed):

Line Item 1 meets the Letter Ballot approval conditions for the global technical committee.

Line Item 2 Adjudication

II. Tally

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)

Returned Votes		Distribution		Return Rate	
48] ÷	80	=	60.0%	≥60%
40					
1		Total	Vote	rs with Rejects	1
34					
	48 40 1	48 ÷	48 ÷ 80 40 1 Total	48 ÷ 80 = 40 1 Total Vote:	48 ÷ 80 = 60.0% 40 1 Total Voters with Rejects

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: Guru)
Voter Reject 1 (Voter: Eric Sklar / Safety Guru)

Negative 1 (SG2-2)

neg	ative 1 (SG2-2	<u>) </u>										
Z	Referenced Section/ Paragraph	1.1 The purpose of this Standard is to provide a series of specifications for different grades of dichlorosilane (SiH ₂ Cl ₂) that are used in the semiconductor industry.										
Negative	Negative Text	Rea with docu	Negative: Replace "Standard" with "Specification". Reason/Justification: Although SEMI does permit using "Standard" to refer to a document within itself, it is more "reader-friendly" to use "Specification", as that's part of the title of the document. Also, "Specification" is used in ¶2.1 to refer to the same thing and, in technical writing, one should use each term to mean only one thing and only one term to mean each thing, so ¶¶1.1 and 2.1 should be consistent.									
	Withdrawal (check one)	X	No Negative withou	lrawa	ıl mad	e by Voter.		GO TO "Related" subsection				
Rela ted	Motion and Reason (check one)	X	'Related' is mutua	lly ag	jreed ι	upon. <mark>(Needs no</mark> n	notion.)	GO TO "Persuasive" subsection				
	Motion and	X	X Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)									
Pers	Reason (check one)		Reason Editorial, per Style Manual (The "This Standard provides a serie redundant and say "specification"					es of" otherwise it would be				
Persuasive	Motion by/ 2 nd by		Thomas Fritz / WIK ond: Max van den I									
Φ	Discussion	Non	е									
	Result of Vote	11 Y	'-0 N ; Motion pass									
	(check one)	X	X 2/3 ≤ [Negative is related and not persuasive.] < 90% GO TO "Final" subsection → (C)									
			(A)	With	drawn	(counted under l	h in disp	osition)				
			(B)	Not	related	d (counted under	i in dispo	osition)				
l _ l	(check if	X	(C)			nd not persuasive (•				
Final	applicable)		(D)			cant (counted und	•	sposition)				
–			(E)	addr	essed	nd persuasive and by technical chan	ge	DOCUMENT FAILS				
			(F)	Addı	essec	l by technical chan	ge <mark>(coun</mark>	ted under k disposition)				
	(check if applicable)	X	Comment generat	ed. S	iee Se	ection V-(ii) <mark>Comn</mark>	nent # NO	C-1.				

This table is needed for each Negative.

Negative 2 (SG2-3)

1109												
_	Referenced Section/ Paragraph	Tab	Negative: There do not appear to be tags for Table Footnotes #3 through #6. Reason/Justification: I see the "#1" superscript after "Maximum Acceptable Level" and the "#2" superscript after "1% liquid phase)", but I don't see similar superscript tags for the remaining Table Footnotes. Either insert them in the appropriate places or delete the unneeded Table Footnotes.									
Negative	Negative Text	Rea "#2" rem										
	Withdrawal (check one)	X	No Negative withou	drawal	made	e by Voter.	GO TO "Related" subsection					
Rela ted	Motion and Reason (check one)	X	'Related' is mutua	ally agr	ipon. (Needs no motion.)	GO TO "Persuasive" subsection						
	Motion and Reason	X	Negative is related	es to pass.)								
Per	(check one)		Reason Editorial in nature. Specifying v				ere the footnote notations go.					
Persuasive	Motion by/ 2 nd by		Thomas Fritz / WIk ond: Max van den									
Ve	Discussion	Non	е									
	Result of Vote	11 Y	'-0 N ; Motion pass									
	(check one)		2/3 ≤ [Negative is and not persuasiv			GO TO "Final" subsection	ection → (C)					
			(A)	Withd	lrawn	(counted under h in dispo	oosition)					
			(B)	Not re	elated	(counted under i in dispo	osition)					
	(check if	X	(C)	Relate	ed an	d not persuasive (significan	t)					
Fina	applicable)		(D)			ant (counted under j in di	sposition)					
a			(E)	addre	ssed	d persuasive and not by technical change	DOCUMENT FAILS					
	() 16		(F)	Addre	essed	by technical change (coun	ted under k disposition)					
	(check if applicable)	X	Comment generat	ted. Se	ee Se	ction V-(ii) Comment # NC	Ç-2.					

Negative 3

Neg	Referenced Section/ Paragraph	Table	Table Footnote #3 to Table 1				
Negative	Negative Text	Reas	Negative: Delete this Table Footnote. Reason/Justification: As the phase is stated for each of the impurities, I see no need for this Table Footnote.				
	Withdrawal (check one)	X	No Negative withdrawal made by Voter.	GO TO "Related" subsection			
Rela ted	Motion and Reason (check one)	X	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection			
	Motion and Reason	X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)				

	(check one)		Reason		orial in nature. Footnote #3	B is redundant, therefore was dingly.
Persuasive	Motion by/ 2 nd by		Thomas Fritz / Wond: Max van der			
lasi	Discussion	None				
Ve	Result of Vote	11 Y	Y -0 N ; Motion pas	ssed.		
	(check one)		2/3 ≤ [Negative i and not persuas		GO TO "Final" subsectio	n → (C)
			(A)	Withdrawr	n (counted under h in disp	osition)
			(B)	Not relate	d (counted under i in dispo	osition)
	(check if	X	(C)	Related a	nd not persuasive (significar	nt)
Final	applicable)		(D)	Not signifi	cant (counted under j in di	sposition)
<u>a</u>			(E)		nd persuasive and not d by technical change	DOCUMENT FAILS
			(F)	Addresse	d by technical change (coun	ited under k disposition)
	(check if applicable)	X	Comment gener	ated. See Se	ection V-(ii) <mark>Comment # N</mark> 0	D-3.

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

3	Original	num	ber (#) of Negatives	(g)		
0	Number	of N	egatives withdrawn		(h)	
0	Number	of N	egatives found not related		(i)	
0	Number of Negatives found not significant (j)					
0			egatives addressed by technic t significant)	al change (Negative	(k)	
	Final		g - (h + i + j + k) = 0		s Not Valid and is not included in the nator of § VI. <i>Approval Conditions Check</i>	
			g - (h + i +j + k) >0	Reject is included in the Approval Conditions	ne denominator of § VI. 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* ¶ 9.6.1.4.5.2)

IV. Other Technical Issues None

V. Comments

V- (i) Voters' Comments Commenter 1 (Eric Sklar / Safety Guru) - Comment 1 (SG2-1)

		1 (Ello Chiai / Carety Cara) Comment 1 (CC2 1)								
င္ပ	*TF	*TF/TC Chapter to fill in section/paragraph #, if necessary.								
Comment		Comment: This line refers to "oxygen", but that appears to be a ballot preparation error, as C56 s the Specification for DCS.								
ıt .		ason/Justification: I'm not claiming this has any effect on the ballot, but if this document is sent a reballot, I suggest fixing this.								
	Th	The TC Chapter agreed to do one of the following actions.								
	*N	*No motion is required in this step.								
≥	Already addressed by Commenter #, Comment #									
Action	X No further action was taken by the TC Chapter.									
	Refer to the TF for more consideration.									
		New Business								
		Editorial Change								

V-(ii) Comments Created by Handling Negative

Comment (Created by Handling Negative) NC - 1

	The Created by Handing Negative) NO - 1				
	*TF	TC Chapt	er to	fill in	
Comment	Negative: Replace "Standard" with "Specification". Reason/Justification: Although SEMI does permit using "Standard" to refer to a document within itself, it is more "reader-friendly" to use "Specification", as that's part of the title of the document. Also, "Specification" is used in ¶2.1 to refer to the same thing and, in technical writing, one should use each term to mean only one thing and only one term to mean each thing, so ¶¶1.1 and 2.1 should be consistent.				
A	The TC Chapter agreed to do one of the following actions. *No motion is required in this step. X Editorial change				
ction					
		Options for editorial		Case 1: No vote in this section:	
				To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.	
		change	check X	Case 2: Voted in this section:	
		one)		Original section number and at least one full sentence are required in "FROM" and "TO" fields.	
FROM: Section/Paragraph 1.1 1.1 The purpose of this Standard is to provide a series of specifications for dichlorosilane (SiH ₂ Cl ₂) that are used in the semiconductor industry.			of this Standard is to provide a series of specifications for different grades of		

TO: Section/Paragraph 1.1 1.1 The purpose of tThis Standard is to provides a series of specifications for different dichlorosilane (SiH ₂ Cl ₂) that are used in the semiconductor industry.		TO: Section	n/Paragraph 1.1
		Editorial, pe	on (If necessary) r Style Manual #4-4 (1) and #4-6 (13): The sentence should actually read "This byides a series of" otherwise it would be redundant and say "specification" twice sentence.
Motion		า	To approve above editorial change(s)
Motion by/2 nd by		n by/2 nd by	By: John Zawada / Swagelok Second: Thomas Fritz / WIKA Instrument Corporation
Discussion		ssion	None
Vote			14 Y-0 N; Motion passed.

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

Comment (Created by Handling Negative) NC - 2

*TF/TC Chapter to fill in					
Negative: There do not appear to be tags for Table Footnotes #3 through #6. Reason/Justification: I see the "#1" superscript after "Maximum Acceptable Level" and the "#2" superscript af liquid phase)", but I don't see similar superscript tags for the remaining Table Footnotes. Either insert them appropriate places or delete the unneeded Table Footnotes.				I see the "#1" superscript after "Maximum Acceptable Level" and the "#2" superscript after "1% n't see similar superscript tags for the remaining Table Footnotes. Either insert them in the	
A	Th	e TC Chap	ter a	greed to do one of the following actions.	
Action	*No motion is required in this step.				
ב	X	Editorial c	hang	е	
		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		Case 2: Voted in this section:	
		(check one)	X	Original section number and at least one full sentence are required in "FROM" and "TO" fields.	

		FROM: Sec	ction/Paragraph Tab	le 1		
		Previo	us SEMI Reference #	SEMI C3.18 (Specification)	SEMI C3.31 (Specification)	
			Purity	97%	99%	
			Impurities	Maximum Aco	ceptable Level ^{#1}	
		(Monochloros	Other Chlorosilanes silane, Silicon Tetrachloride, Frichlorosilane)	3% (liquid phase)	1% (liquid phase) ^{#2}	
			Aluminum	1.0 ppbw (vapor phase derived)	1.0 ppbw (vapor phase derived)	
			Arsenic	0.5 ppbw (vapor phase derived)	0.2 ppbw (vapor phase derived)	
			Boron	0.3 ppbw (vapor phase derived)	0.1 ppbw (vapor phase derived)	
			Carbon	10 ppmw (vapor phase derived)	1 ppmw (vapor phase derived)	
Edi			Iron	50 ppbw (liquid phase)	50 ppbw (liquid phase)	
tor			Phosphorus	0.3 ppbw (vapor phase derived)	0.3 ppbw (vapor phase derived)	
ial (1	TO: Section	n/Paragraph Table 1			
Editorial Changes	-	Previo	us SEMI Reference #	SEMI C3.18 (Specification)	SEMI C3.31 (Specification)	
es			Purity	97%	99%	
			Impurities #3-6	Maximum Acceptable Level#1		
		(Monochloros	Other Chlorosilanes silane, Silicon Tetrachloride, Frichlorosilane)	3% (liquid phase)	1% (liquid phase) ^{#2}	
			Aluminum	1.0 ppbw (vapor phase derived)	1.0 ppbw (vapor phase derived)	
			Arsenic	0.5 ppbw (vapor phase derived)	0.2 ppbw (vapor phase derived)	
			Boron	0.3 ppbw (vapor phase derived)	0.1 ppbw (vapor phase derived)	
			Carbon	10 ppmw (vapor phase derived)	1 ppmw (vapor phase derived)	
			Iron	50 ppbw (liquid phase)	50 ppbw (liquid phase)	
			Phosphorus	0.3 ppbw (vapor phase derived)	0.3 ppbw (vapor phase derived)	
			on (If necessary) ature. Specifying whe	ere the footnote notations go		
Mc	Motion		To approve above e	editorial change(s)		
Мс	otion	by/2 nd by	By: John Zawada / Swagelok Second: Thomas Fritz / WIKA Instrument Corporation			
Di	scus	ssion	None			
Vo	te		14 Y -0 N ; Motion pa	issed.		

Comment (Created by Handling Negative) NC - 3

Co	*TF/TC Chapter to fill in
Comment	Negative: Delete this Table Footnote. Reason/Justification: As the phase is stated for each of the impurities, I see no need for this Table Footnote.
Α	The TC Chapter agreed to do one of the following actions.
Action	*No motion is required in this step.
ח	X Editorial change

			,		Case 1: No vote	in this section:		
			Options for editorial		To be included a	and voted on as a group in se Voted on in § V.	§ VI. Editorial Changes	
			change (check one)		Case 2: Voted in	this section:		
		(X	Original section "FROM" and "TO		full sentence are required in	
		F	FROM: S	ectio	on/Paragraph Tab	le 1		
			Previous SEMI Reference #			SEMI C3.18 (Specification)	SEMI C3.31 (Specification)	
					Purity	97%	99%	
				Im	purities ^{#3-6}	Maximum Acceptable Level ^{#1}		
 m				orosilar	er Chlorosilanes ne, Silicon Tetrachloride, chlorosilane)	3% (liquid phase)	1% (liquid phase)#2	
dit				А	Muminum	1.0 ppbw (vapor phase derived)	1.0 ppbw (vapor phase derived)	
oria					Arsenic	0.5 ppbw (vapor phase derived)	0.2 ppbw (vapor phase derived)	
<u>ာ</u>	1				Boron	0.3 ppbw (vapor phase derived)	0.1 ppbw (vapor phase derived)	
har					Carbon	10 ppmw (vapor phase derived)	1 ppmw (vapor phase derived)	
Editorial Changes			Iron			50 ppbw (liquid phase)	50 ppbw (liquid phase)	
Ö				Pł	hosphorus	0.3 ppbw (vapor phase derived)	0.3 ppbw (vapor phase derived)	
					ignificant figures has not ecision of the provided pro		ificant figures will be based on analytical	
					ne not to exceed 0.5%.			
						he chlorosilane determination. In addition + helium determination will not affect t	on, argon + helium are to be controlled in the percent purity determination.	
'		#4	4 Initial pur	ging of	the vapor phase is recom-	mended to reduce inert gas content used	l in the cylinder fill procedure.	

#5 Analytical procedures for the doping elements, metals and selected impurities are to be determined between the user and supplier at the present time.

TO: Section/Paragraph Table 1		
Previous SEMI Reference #	SEMI C3.18 (Specification)	SEMI C3.31 (Specification)
Purity	97%	99%
Impurities #3-56	Maximum Aco	ceptable Level ^{#1}
All Other Chlorosilanes (Monochlorosilane, Silicon Tetrachloride, Trichlorosilane)	3% (liquid phase)	1% (liquid phase)#2
Aluminum	1.0 ppbw (vapor phase derived)	1.0 ppbw (vapor phase derived)
Arsenic	0.5 ppbw (vapor phase derived)	0.2 ppbw (vapor phase derived)
Boron	0.3 ppbw (vapor phase derived)	0.1 ppbw (vapor phase derived)
Carbon	10 ppmw (vapor phase derived)	1 ppmw (vapor phase derived)
Iron	50 ppbw (liquid phase)	50 ppbw (liquid phase)
Phosphorus	0.3 ppbw (vapor phase derived)	0.3 ppbw (vapor phase derived)

^{#1} An analysis of significant figures has not been considered. The number of significant figures will be based on analytical accuracy and the precision of the provided procedure.

#3 This Specification applies to the appropriate phase of the cylinder as delivered

#4#3 The liquid phase purity is to be based on the chlorosilane determination. In addition, argon + helium are to be controlled in the vapor phase to less than 0.5%. This argon + helium determination will not affect the percent purity determination.

#5#4 Initial purging of the vapor phase is recommended to reduce inert gas content used in the cylinder fill procedure.

#6#5 Analytical procedures for the doping elements, metals and selected impurities are to be determined between the user and supplier at the present time.

Justification (If necessary)

Editorial in nature. Footnote #3 is redundant, therefore was removed and renumbered accordingly.

Motion	To approve above editorial change(s)	
Motion by/2 nd by	By: John Zawada / Swagelok Second: Thomas Fritz / WIKA Instrument Corporation	
Discussion	None	
Vote	14 Y-0 N; Motion passed.	

VI. Editorial Changes Other than Those Voted on in § V None

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)

^{#2} Monochlorosilane not to exceed 0.5%.

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

		Accepts	(Accepts + Valid Rejects)			
Approval Rate	=	34	35	=	97.1%	≥90%

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

Note: See Regulations § 9.6.2 for further information.



Globally Approved (No Ratification Ballot needed):

Line Item 2 meets the Letter Ballot approval conditions for the global technical committee.

Checks for Entire Document Including All Approved Line Items

VIII. Safety Check

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.

	X	This is not a Safety Document , when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations</i> ¶ 8.7.1)					
Motion		This is a Safety Document, when all safety-related information is removed, the Document is technically sound and complete. (<i>Regulations</i> ¶ 8.7.2)					
		Safety Checklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Docume throughout the balloting process. (<i>Regulations</i> ¶ 15.1.2)					
	Motion by/2 nd by		by/2 nd by	By: Thomas Fritz / WIKA Instrument Corporation Second: Max van den Berg / Festo SE & Co. KG			
	Discussion			None.			
	Vote			12 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 <u>applies to the entire Standard or Safety Guideline</u> including all the approved Line Items*. See *Regulations* § 16 for further information.

X	The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see <i>Regulations</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.			

X. Action for This Document

Motion (Check all applicable items)	X		Line item(s) [1] and [2] passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.				
Motion by/ 2nd by		By: Thomas Fritz / WIKA Instrument Corporation Second: Max van den Berg / Festo SE & Co. KG					
Discussion		None.					
Vote		15 Y - 0 N					
Final Action		X	Motion passed				
			Motion failed				

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