

# Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **North America**

Global Technical Committee: **Liquid Chemicals**

TC Chapter Cochairs: **Steve Rogers (CMC Materials), Don E. Hadder (Intel), Koh Murai (Mega Fluid Systems), Laura Ledenbach (Evonik)**

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.

## I. Document Number and Title

<b>Document Number</b> 6828D	<b>Document Title</b> Revision to SEMI F31-0313, Guide for Bulk Chemical Distribution Systems
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## 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):

Voting Interest:	Returned Votes	Distribution	Return Rate	
Letter Ballot	61	÷ 101	= 60.4%	≥60%
Intercommittee Ballot	41			
Voting Interest Reject(s)	1	Total Voters with Rejects		1
Voting Interest Accept(s)	46			

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 (SG01)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 3.1 This Guide is not intended to be applicable to every possible use and type of chemical dispensing system, but only to those systems that originate with sources of single lots of liquid materials which operate in a way that delivers to a single or multiple streams. This Guide excludes slurry systems and chemical waste stream reprocessing systems.	
	Negative Text	3.1 <i>Negative:</i> Split the latter sentence, "This Guide...reprocessing systems", into a separate paragraph <i>Reason/Justification:</i> The exclusion of slurry and reprocessing systems is a separate limitation from the exclusion of small-source-container systems.	
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. <b>GO TO "Related" subsection</b>
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. <b>(Needs no motion.)</b> <b>GO TO "Persuasive" subsection</b>
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. <b>(Needs ≥2/3 votes to pass.)</b>
			Reason: Editorial in nature, separate the paragraph into a separate paragraph.
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions	
	Discussion	None	
	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.	
Final		<input type="checkbox"/>	<b>(A)</b> Withdrawn <b>(counted under h in disposition)</b>
		<input type="checkbox"/>	<b>(B)</b> Not related <b>(counted under i in disposition)</b>
	(check if applicable)	<input checked="" type="checkbox"/>	<b>(C)</b> Related and not persuasive (significant)
		<input type="checkbox"/>	<b>(D)</b> Not significant <b>(counted under j in disposition)</b>
		<input type="checkbox"/>	Related and persuasive and not addressed by technical change <b>DOCUMENT FAILS</b>
		<input type="checkbox"/>	<b>(F)</b> Addressed by technical change <b>(counted under k disposition)</b>
	(check if applicable)	<input checked="" type="checkbox"/>	Comment generated. <b>See Section V-(ii) Comment # NC-1.</b>

*This table is needed for each Negative.*

### Negative 2 (SG02)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 3.2 This Guide excludes construction protocols for BCDS, such as clean manufacturing practices, integrity of fabrication, and prequalification of materials. Such protocols are found elsewhere in § 4, Referenced Standards and Documents and § 10, Related Documents. 3.2	
	Negative Text	Negative: Change “elsewhere in” to “elsewhere, such as in the documents cited in” Reason/Justification: Neither of the Sections contains such information, although each cites documents that contain such information.	
Related	Withdrawal (check one)	<input checked="" type="checkbox"/> No Negative withdrawal made by Voter.	GO TO “Related” subsection
	Motion and Reason (check one)	<input checked="" type="checkbox"/> ‘Related’ is mutually agreed upon. (Needs no motion.)	GO TO “Persuasive” subsection
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/> Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)	
		Reason	Editorial to provide clarity to the related docs being referenced.
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions	
	Discussion	None	
	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.	
Final		<input type="checkbox"/> (A) Withdrawn (counted under h in disposition)	
		<input type="checkbox"/> (B) Not related (counted under i in disposition)	
	(check if applicable)	<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 checked="" type="checkbox"/> Comment generated. See Section V-(ii) Comment # NC-2.	

### Negative 3 (SG03)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 4.2 Footnote	
	Negative Text	Negative: Correct this. Reason/Justification: These are not “federal standards”, they are parts of the Code of Federal Regulations., which is published by the Office of the Federal Register, The version that is concurrently maintained (as opposed to the annual versions) is at <a href="https://www.ecfr.gov/">https://www.ecfr.gov/</a> . FWLIW, I entered “49 CFR 178” in a couple of different fields in the search page to which the URL in the footnote leads but did not find 49 CFR 178.	
	Withdrawal (check one)	<input checked="" type="checkbox"/> No Negative withdrawal made by Voter.	GO TO “Related” subsection

Related	Motion and Reason (check one)	X	‘Related’ is mutually agreed upon. (Needs no motion.)		GO TO “Persuasive” subsection	
	Motion and Reason (check one)	X	Negative is related and persuasive. (Needs >1/3 votes to pass.)			
Persuasive	Motion by/ 2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Systems Second: Lindsey Sullivan / FTD Solutions				
	Discussion	None				
	Result of Vote (check one)	7 Y-0 N; Motion passed.				
		X	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	X	Y
		[Negative is related and not persuasive.] < 2/3		N	GO TO “Final” subsection → (E)	
Address by Technical Change Option	<b>Technical Change Recommendations</b> Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.					
	Technical Changes	FROM: Section/Paragraph 4.2 Footnote				
		4.2 Federal Regulations <sup>1</sup> <sup>1</sup> United States Federal Standards, available as freely downloadable PDF files from the ASSIST Quick Search website at <a href="http://quicksearch.dla.mil">http://quicksearch.dla.mil</a> .				
		TO: Section/Paragraph 4.2 Footnote				
	1	4.2 Federal Regulations <sup>1</sup> <sup>1</sup> United States Code of Federal Standards Regulations, available as freely downloadable PDF files from the ASSIST Quick Search website at a downloadable version at <a href="https://www.ecfr.gov/current/title-49/subtitle-B/chapter-I/subchapter-C/part-178">https://www.ecfr.gov/current/title-49/subtitle-B/chapter-I/subchapter-C/part-178</a> .				
	Justification (if necessary)					
	Footnote and reference link were incorrect.					
Motion		Negative is addressed by the technical change(s).				
Motion by/2 <sup>nd</sup> by		By: Lindsey Sullivan / FTD Solutions Second: Bob McIntosh / GF Piping Systems				
Discussion		None				
Result of Vote (check one)		9 Y-0 N; Motion passed.				
		X	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	Motion		To incorporate the technical change(s).			
	Motion by/2 <sup>nd</sup> by		By: David Kandiyeli / Mega Fluid Systems, Inc. Second: Jim Cannon / Mettler Toledo Thornton			
	Discussion		None			
			9 Y-0 N; Motion passed.			

		<b>Result of Vote (check one)</b>	<input checked="" type="checkbox"/>	90% ≤ [Agree to incorporate.]	<b>GO TO “Final” subsection → (F)</b>	
			<input type="checkbox"/>	[Disagree to incorporate.] > 10%	<b>GO TO “Final” subsection → (E)</b>	
<b>Final</b>	<b>(check if applicable)</b>	<input type="checkbox"/>	<b>(A)</b>	Withdrawn <b>(counted under h in disposition)</b>		
		<input type="checkbox"/>	<b>(B)</b>	Not related <b>(counted under i in disposition)</b>		
		<input type="checkbox"/>	<b>(C)</b>	Related and not persuasive (significant)		
		<input type="checkbox"/>	<b>(D)</b>	Not significant <b>(counted under j in disposition)</b>		
		<input type="checkbox"/>	<b>(E)</b>	Related and persuasive and not addressed by technical change	<b>DOCUMENT FAILS</b>	
		<input checked="" type="checkbox"/>	<b>(F)</b>	Addressed by technical change <b>(counted under k disposition)</b>		

### Negative 4 (SG04)

<b>Negative</b>	<b>Referenced Section/ Paragraph</b>	<b>*TF/TC Chapter to fill in, including text in the ballot if necessary.</b>				
		4.2, first item				
	<b>Negative Text</b>	<i>Negative:</i> Change this to “49 CFR 178 — Specifications for Packagings” <i>Reason/Justification:</i> The title of Part 178 is “Specifications for Packagings” (Yes, the “s” at the end is part of the official title, despite being a bit odd.) The parenthetical note in the ballot is a bit confusing, as the title of Title 49 is “Transportation”.				
	<b>Withdrawal (check one)</b>	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		<b>GO TO “Related” subsection</b>	
<b>Related</b>	<b>Motion and Reason (check one)</b>	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. <b>(Needs no motion.)</b>		<b>GO TO “Persuasive” subsection</b>	
<b>Persuasive</b>	<b>Motion and Reason (check one)</b>	<input checked="" type="checkbox"/>	Negative is related and not persuasive. <b>(Needs ≥2/3 votes to pass.)</b>			
		<input type="checkbox"/>	Reason	Editorial in nature, updating title.		
	<b>Motion by/ 2<sup>nd</sup> by</b>	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions				
	<b>Discussion</b>	None				
	<b>Result of Vote (check one)</b>	11 Y-0 N; Motion passed/failed.				
	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	<b>GO TO “Final” subsection → (C)</b>			
<b>Final</b>	<b>(check if applicable)</b>	<input type="checkbox"/>	<b>(A)</b>	Withdrawn <b>(counted under h in disposition)</b>		
		<input type="checkbox"/>	<b>(B)</b>	Not related <b>(counted under i in disposition)</b>		
		<input checked="" type="checkbox"/>	<b>(C)</b>	Related and not persuasive (significant)		
		<input type="checkbox"/>	<b>(D)</b>	Not significant <b>(counted under j in disposition)</b>		
		<input type="checkbox"/>	<b>(E)</b>	Related and persuasive and not addressed by technical change	<b>DOCUMENT FAILS</b>	
		<input type="checkbox"/>	<b>(F)</b>	Addressed by technical change <b>(counted under k disposition)</b>		
	<b>(check if applicable)</b>	<input checked="" type="checkbox"/>	Comment generated. <b>See Section V-(ii) Comment # NC-3.</b>			

### Negative 5 (SG05)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		4.2, first item	
	Negative Text	<i>Negative:</i> Remove the footnote <i>Reason/Justification:</i> The footnote on ¶4.2 provides the source for each of the items in §4.2.	
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. <b>GO TO "Related" subsection</b>
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.) <b>GO TO "Persuasive" subsection</b>
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)
			Reason Addressed in Negative 4 (SG04).
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions	
	Discussion	None	
Final	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.	
		<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90% <b>GO TO "Final" subsection → (C)</b>
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 <b>DOCUMENT FAILS</b>
		<input type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)

### Negative 6 (SG06)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		4.2, second, third, and fourth items.	
	Negative Text	<i>Negative:</i> Delete these items. <i>Reason/Justification:</i> They are redundant with the first item, as each of them is within Part 178. Alternatively, one could delete the first item and keep the remaining items. I note that Subpart K of Part 178, which includes 178.509, is entitled "Non-bulk Performance-Oriented Packaging Standards", so the US government does not consider things therein to be "bulk". The SEMI Standards Program is not bound by the US governments definitions, but it might be worthwhile to include a NOTE acknowledging the difference between how this SEMI Standard defines "bulk" and how the US government does.	
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. <b>GO TO "Related" subsection</b>
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.) <b>GO TO "Persuasive" subsection</b>

Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
			Reason	Editorial in nature, removing redundant sections.		
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions				
	Discussion	None				
	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.				
	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	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 checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-4.			

### Negative 7 (SG07)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.			
		4.2, fourth item			
	Negative Text	Negative: Remove "(rigid... liners)" or convert it to a NOTE. Reason/Justification: The parenthetical phrase is not part of the title of 49CFR178.707.			
	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection	
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection	
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
			Reason	Addressed by Negative 6 – NC4.	
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions			
	Discussion	None			
	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.			
	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	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)	

			(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
			(F)	Addressed by technical change (counted under k disposition)	

### Negative 8 (SG08)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.				
		5.2.4				
	Negative Text	<i>Negative:</i> Change "UPW or" to "UPW, or" <i>Reason/Justification:</i> SEMI's Style Manual requires the use of Oxford commas.				
	Withdrawal (check one)	X	No Negative withdrawal made by Voter.		GO TO "Related" subsection	
Related	Motion and Reason (check one)	X	'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection	
Persuasive	Motion and Reason (check one)	X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
			Reason	Editorial in nature, align with Style Manual Table 5-1, item 3		
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions				
	Discussion	None				
	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.				
		X	2/3 ≤ [Negative is related and not persuasive.] < 90%	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)	X	Comment generated. See Section V-(ii) Comment # NC-6.			

### Negative 9 (SG09)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.			
		5.2.5			
	Negative Text	<i>Negative:</i> Change "solute" to "solvent" <i>Reason/Justification:</i> The water is the substance into which the "chemical" is being dissolved; water is not the substance being dissolved.			
	Withdrawal (check one)	X	No Negative withdrawal made by Voter.		GO TO "Related" subsection
Related	Motion and Reason (check one)	X	'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection



Persuasive	Motion and Reason <i>(check one)</i>	<input checked="" type="checkbox"/>	Negative is related and persuasive. <b>(Needs &gt;1/3 votes to pass.)</b>			
	Motion by/ 2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Systems Second: Lindsey Sullivan / FTD Solutions				
	Discussion	None				
	Result of Vote <i>(check one)</i>	7 Y-0 N; Motion passed.				
<input checked="" type="checkbox"/>		[Negative is related and persuasive.] > 1/3	Is a technical change recommended? <i>(check one)</i>	<input checked="" type="checkbox"/>	Y	GO TO "Address by Technical Change Option" subsection
	<input type="checkbox"/>	[Negative is related and not persuasive.] < 2/3			N	GO TO "Final" subsection → (E)
Address by Technical Change Option	<b>Technical Change Recommendations</b> Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.					
	Technical Changes	1	FROM: Section/Paragraph 5.2.5 5.2.5 <i>dilution</i> — combination of a chemical and DIW, UPW, or other solute to create a lower concentration of the chemical.			
			TO: Section/Paragraph 5.2.5 5.2.5 <i>dilution</i> — combination of a chemical and DIW, UPW, or other <del>solute</del> solvent to create a lower concentration of the chemical.			
			Justification <b>(if necessary)</b> Material was inadvertently typed incorrectly. Updated to the correct material.			
		Motion	Negative is addressed by the technical change(s).			
		Motion by/2 <sup>nd</sup> by	By: Lindsey Sullivan / FTD Solutions Second: Bob McIntosh / GF Piping Systems			
		Discussion	None			
		Result of Vote <i>(check one)</i>	9 Y-0 N; Motion passed.			
			<input checked="" type="checkbox"/>	2/3 ≤ [Negative is addressed by the technical change(s).]		GO TO "Incorporation of the Technical Change" subsection
			<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3		GO TO "Final" subsection → (E)
	Incorporation of the Technical Change	Motion	To incorporate the technical change(s).			
		Motion by/2 <sup>nd</sup> by	By: David Kandiyeli / Mega Fluid Systems, Inc. Second: Jim Cannon / Mettler Toledo Thornton			
		Discussion	None			
		Result of Vote <i>(check one)</i>	9 Y-0 N; Motion passed.			
	<input checked="" type="checkbox"/>		90% ≤ [Agree to incorporate.]		GO TO "Final" subsection → (F)	
		<input type="checkbox"/>	[Disagree to incorporate.] > 10%		GO TO "Final" subsection → (E)	
Final	<i>(check if applicable)</i>	<input type="checkbox"/>	(A)	Withdrawn <b>(counted under h in disposition)</b>		
		<input type="checkbox"/>	(B)	Not related <b>(counted under i in disposition)</b>		

		<input type="checkbox"/>	(C)	Related and not persuasive (significant)	
		<input type="checkbox"/>	(D)	Not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		<input checked="" type="checkbox"/>	(F)	Addressed by technical change (counted under k disposition)	

### Negative 10 (SG10)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 5.2.7			
	Negative Text	Negative: Remove the term from Terminology. Reason/Justification: A search did not find "filter shock" used in the document.			
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection	
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection	
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
			Reason	Editorial to remove definition, the term does not appear anywhere in the document.	
	Motion by/ 2 <sup>nd</sup> by		By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions		
	Discussion		None		
	Result of Vote (check one)	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	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 checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-7.		

### Negative 11 (SG11)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 5.2.8		
	Negative Text	Negative: Change "waste or" to "waste, or" Reason/Justification: SEMI's Style Manual requires the use of Oxford commas.		
	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection

Related	Motion and Reason (check one)	X	'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection	
	Motion and Reason (check one)	X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
Persuasive	Reason		Editorial in nature, align with Style Manual Table 5-1, item 3			
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions				
	Discussion	None				
	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.				
		X	2/3 ≤ [Negative is related and not persuasive.] < 90%	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)	X	Comment generated. See Section V-(ii) Comment # NC-8.			

### Negative 12 (SG12)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.			
	Negative Text	5.2.11 <i>Negative: Change "solid or" to "solid, or"</i> <i>Reason/Justification: SEMI's Style Manual requires the use of Oxford commas.</i>			
Related	Withdrawal (check one)	X	No Negative withdrawal made by Voter.		GO TO "Related" subsection
	Motion and Reason (check one)	X	'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection
Persuasive	Motion and Reason (check one)	X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
	Reason		Editorial in nature, align with Style Manual Table 5-1, item 3		
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions			
	Discussion	None			
	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.			
	X	2/3 ≤ [Negative is related and not persuasive.] < 90%	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)	

		<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 checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-9.	

### Negative 13 (SG13)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.			
	Negative Text	5.2.17 Negative: Change "the system" to "a system" Reason/Justification: There's no specific system to which this refers.			
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GO TO "Related" subsection
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)		
	Motion by/ 2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Systems Second: Lindsey Sullivan / FTD Solutions			
	Discussion	None			
	Result of Vote (check one)	7 Y-0 N; Motion passed.			
		<input checked="" type="checkbox"/>	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/>	N GO TO "Final" subsection → (E)
Address by Technical Change Option	<b>Technical Change Recommendations</b> Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.				
	Technical Changes	1	FROM: Section/Paragraph 5.2.17 5.2.17 <i>pumping</i> — a mechanical technique used to create hydraulic force in the system.		
			TO: Section/Paragraph 5.2.17 (numbering updated from previous changes) <del>5.2.17</del> 5.3.11 <i>pumping</i> — a mechanical technique used to create hydraulic force <del>in the system</del> .		
			Justification (if necessary) Remove "in the system" provide clarity since There's no specific system to which this refers.		
	Motion	Negative is addressed by the technical change(s).			
	Motion by/2 <sup>nd</sup> by	By: Lindsey Sullivan / FTD Solutions Second: Bob McIntosh / GF Piping Systems			
	Discussion	None			

	Result of Vote (check one)	<input checked="" type="checkbox"/>	9 Y-0 N; Motion passed.		
		<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 <sup>nd</sup> by	By: David Kandiyeli / Mega Fluid Systems, Inc. Second: Jim Cannon / Mettler Toledo Thornton		
Discussion		None			
Result of Vote (check one)		<input checked="" type="checkbox"/>	9 Y-0 N; Motion passed.		
	<input checked="" type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO "Final" subsection → (F)		
	<input type="checkbox"/>	[Disagree to incorporate.] > 10%	GO TO "Final" subsection → (E)		
Final	(check if applicable)	<input type="checkbox"/>	(A)	Withdrawn (counted under h in disposition)	
		<input type="checkbox"/>	(B)	Not related (counted under i in disposition)	
		<input type="checkbox"/>	(C)	Related and not persuasive (significant)	
		<input type="checkbox"/>	(D)	Not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		<input checked="" type="checkbox"/>	(F)	Addressed by technical change (counted under k disposition)	

### Negative 14 (SG14)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
	Negative Text	6.2.2 <i>Negative: Change "would consist of" to "consists of"</i> <i>Reason/Justification: Correct the grammar. It is incorrect to use the subjunctive without stating the conditions under which the hypothetical statement would be true.</i>		
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)	
		<input type="checkbox"/>	Reason	Addressed by Negative 15 (SG15).
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions		
	Discussion	None		
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)
			DOCUMENT FAILS

**Negative 15 (SG15)**

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.			
	Negative Text	6.2.2 Negative: Rewrite “Such a protocol would consist of a predefined sequence of events, which incorporat <u>ing</u> es all of the <u>physical</u> activities incumbent to the tool <u>design operation</u> and testing parameters,; and establish <u>es</u> check points for approvals at each stage.” to “Such a protocol consists of a predefined sequence of events, incorporating all of the activities of the system <u>operation</u> and testing parameters and establishing check points for approvals at each stage.” Reason/Justification: Correct various errors in structure, parallelism, and inconsistent use of terms.			
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO “Related” subsection	
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.)	GO TO “Persuasive” subsection	
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)		
	Motion by/ 2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Systems Second: Lindsey Sullivan / FTD Solutions			
	Discussion	None			
	Result of Vote (check one)	<input checked="" type="checkbox"/>	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/>	N GO TO “Final” subsection → (E)
Address by 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/Paragraph 6.2.2 6.2.2 The user should develop and follow a protocol for system installation and start-up. Such a protocol would consist of a predefined sequence of events, incorporating all of the activities incumbent to the tool operation and testing parameters, and establish check points for approvals at each stage.			

		<b>TO: Section/Paragraph 6.2.2</b>	
		6.2.2 The user should develop and follow a protocol for system installation and start-up. Such a protocol <del>consists of a</del> <del>would consist of a</del> predefined sequence of events, incorporating all of the activities <del>incumbent to the tool of the system</del> operation and testing parameters; and establishing check points for approvals at each stage.	
		<b>Justification (if necessary)</b> Rewritten to provide clarity.	
<b>Motion</b>		Negative is addressed by the technical change(s).	
<b>Motion by/2<sup>nd</sup> by</b>		By: Lindsey Sullivan / FTD Solutions Second: Bob McIntosh / GF Piping Systems	
<b>Discussion</b>		None	
<b>Result of Vote (check one)</b>		9 Y-0 N; Motion passed.	
		<input checked="" type="checkbox"/>	2/3 ≤ [Negative is addressed by the technical change(s).] <b>GO TO "Incorporation of the Technical Change" subsection</b>
		<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3 <b>GO TO "Final" subsection → (E)</b>
<b>Incorporation of the Technical Change</b>	<b>Motion</b>		To incorporate the technical change(s).
	<b>Motion by/2<sup>nd</sup> by</b>		By: David Kandiyeli / Mega Fluid Systems, Inc. Second: Jim Cannon / Mettler Toledo Thornton
	<b>Discussion</b>		None
	<b>Result of Vote (check one)</b>		9 Y-0 N; Motion passed.
		<input checked="" type="checkbox"/>	90% ≤ [Agree to incorporate.] <b>GO TO "Final" subsection → (F)</b>
		<input type="checkbox"/>	[Disagree to incorporate.] > 10% <b>GO TO "Final" subsection → (E)</b>
<b>Final</b>	<b>(check if applicable)</b>	<input type="checkbox"/>	<b>(A)</b> Withdrawn <b>(counted under h in disposition)</b>
		<input type="checkbox"/>	<b>(B)</b> Not related <b>(counted under i in disposition)</b>
		<input type="checkbox"/>	<b>(C)</b> Related and not persuasive (significant)
		<input type="checkbox"/>	<b>(D)</b> Not significant <b>(counted under j in disposition)</b>
		<input type="checkbox"/>	<b>(E)</b> Related and persuasive and not addressed by technical change <b>DOCUMENT FAILS</b>
		<input checked="" type="checkbox"/>	<b>(F)</b> Addressed by technical change <b>(counted under k disposition)</b>

**Negative 16 (SG16)**

<b>Negative</b>	<b>Referenced Section/ Paragraph</b>	*TF/TC Chapter to fill in, including text in the ballot if necessary.
		6.3
	<b>Negative Text</b>	<i>Negative: Correct or explain the use of "user" in the first sentence and "purchaser" in the second sentence. Reason/Justification: It appears that the two are intended to refer to the same party, in which case the same term should be used. If they are intended to refer to different parties, it would help if the document explained why the "user" gets to establish the criteria that the "purchaser": uses to decide whether something is acceptable.</i>

	<b>Withdrawal (check one)</b>	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	<b>GO TO "Related" subsection</b>	
<b>Related</b>	<b>Motion and Reason (check one)</b>	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. <b>(Needs no motion.)</b>	<b>GO TO "Persuasive" subsection</b>	
<b>Persuasive</b>	<b>Motion and Reason (check one)</b>	<input checked="" type="checkbox"/>	Negative is related and not persuasive. <b>(Needs ≥2/3 votes to pass.)</b>		
			Reason	Editorial, to stay consistent with term being used.	
	<b>Motion by/ 2<sup>nd</sup> by</b>		By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions		
	<b>Discussion</b>		None		
	<b>Result of Vote (check one)</b>	<input checked="" type="checkbox"/>	11 Y-0 N; Motion passed/failed.		
		<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	<b>GO TO "Final" subsection → (C)</b>	
<b>Final</b>	<b>(check if applicable)</b>	<input type="checkbox"/>	<b>(A)</b>	Withdrawn <b>(counted under h in disposition)</b>	
		<input type="checkbox"/>	<b>(B)</b>	Not related <b>(counted under i in disposition)</b>	
		<input checked="" type="checkbox"/>	<b>(C)</b>	Related and not persuasive (significant)	
		<input type="checkbox"/>	<b>(D)</b>	Not significant <b>(counted under j in disposition)</b>	
		<input type="checkbox"/>	<b>(E)</b>	Related and persuasive and not addressed by technical change	<b>DOCUMENT FAILS</b>
		<input type="checkbox"/>	<b>(F)</b>	Addressed by technical change <b>(counted under k disposition)</b>	
	<b>(check if applicable)</b>	<input checked="" type="checkbox"/>	Comment generated. <b>See Section V-(ii) Comment # NC-10.</b>		

### Negative 17 (SG17)

<b>Negative</b>	<b>Referenced Section/ Paragraph</b>	<b>*TF/TC Chapter to fill in, including text in the ballot if necessary.</b>		
	<b>Negative Text</b>	6.3 <i>Negative:</i> Change "customer and process": to "customer, and process". <i>Reason/Justification:</i> Oxford commas are required by the SEMI Style Manual.		
	<b>Withdrawal (check one)</b>	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	<b>GO TO "Related" subsection</b>
<b>Related</b>	<b>Motion and Reason (check one)</b>	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. <b>(Needs no motion.)</b>	<b>GO TO "Persuasive" subsection</b>
<b>Persuasive</b>	<b>Motion and Reason (check one)</b>	<input checked="" type="checkbox"/>	Negative is related and not persuasive. <b>(Needs ≥2/3 votes to pass.)</b>	
			Reason	Editorial to align with Style Manual Table 5-1, item 3
	<b>Motion by/ 2<sup>nd</sup> by</b>		By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions	
	<b>Discussion</b>		None	
	<b>Result of Vote (check one)</b>	<input checked="" type="checkbox"/>	11 Y-0 N; Motion passed/failed.	
		<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	<b>GO TO "Final" subsection → (C)</b>



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 checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-11.		

### Negative 18 (SG18)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 6.4.1.1 through 6.4.1.10			
	Negative Text	Negative: Change these from numbered paragraphs to a bulleted list. Reason/Justification: These are not paragraphs, they are noun phrases. If there is a need to refer to any of them individually, a numbered list, instead of a bulleted list, may be used.			
	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection	
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection	
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
			Reason	Editorial to align with Style Manual Table 1-10, item 1 to convert to bulleted list.	
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions			
	Discussion	None			
	Result of Vote (check one)	<input checked="" type="checkbox"/>	11 Y-0 N; Motion passed/failed. 2/3 ≤ [Negative is related and not persuasive.] < 90%	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 checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-12.		

**Negative 19 (SG 19)**

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		6.5.1 through 6.5.5	
	Negative Text	<p><i>Negative:</i> Change these from numbered paragraphs to a bulleted list. Add commas and “and” appropriately. Do not capitalize each item or end each item with a period.</p> <p><i>Reason/Justification:</i> These are not paragraphs, they are noun phrases. If there is a need to refer to any of them individually, a numbered list, instead of a bulleted list, may be used.</p>	
	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. <b>GO TO “Related” subsection</b>
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.) <b>GO TO “Persuasive” subsection</b>
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)
			Reason: Editorial to align with Style Manual Table 1-10, item 1 to convert to bulleted list.
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions	
	Discussion	None	
	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.	
	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	<b>GO TO “Final” subsection → (C)</b>
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 <b>DOCUMENT FAILS</b>
		<input type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)
	(check if applicable)	<input checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-13.

**Negative 20 (SG20)**

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		6.6	
	Negative Text	<p><i>Negative:</i> Change “areas such as” to “in such things as”</p> <p><i>Reason/Justification:</i> The listed things are not “areas”.</p>	
	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. <b>GO TO “Related” subsection</b>
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.) <b>GO TO “Persuasive” subsection</b>
	Motion and Reason	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)

Persuasive	(check one)		Reason	Editorial to fix grammar and provide clarity.
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions		
	Discussion	None		
	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.		
	X	2/3 ≤ [Negative is related and not persuasive.] < 90%	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)
	(check if applicable)	X	Comment generated. See Section V-(ii) Comment # NC-14.	

### Negative 21 (SG21)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.			
	Negative Text	7.2 Negative: Change "e.g., drums" to "e.g., drum" Reason/Justification: The examples are of a singular noun.			
	Withdrawal (check one)	X	No Negative withdrawal made by Voter.	GO TO "Related" subsection	
Related	Motion and Reason (check one)	X	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection	
Persuasive	Motion and Reason (check one)	X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
			Reason	Editorial to fix grammar and provide clarity.	
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions			
	Discussion	None			
	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.			
	X	2/3 ≤ [Negative is related and not persuasive.] < 90%	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)	X	Comment generated. See Section V-(ii) Comment # NC-15.		

**Negative 22 (SG22)**

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.				
		7.4				
	Negative Text	<p><i>Negative:</i> Move this to the Terminology section and format it correctly. Either delete “(used as an adjective)” or correct it to the form specified in the <i>Style Manual</i> and change the definition to one of an adjective, rather than a noun.</p> <p><i>Reason/Justification:</i> This is a definition, not a recommendation of this Guide. Secondly, should “distribution” be defined (as proposed here) to include moving from one point to one other point? To me “distribution” is moving from one point to more than one other point.</p>				
	Withdrawal (check one)	X	No Negative withdrawal made by Voter.		GO TO “Related” subsection	
Related	Motion and Reason (check one)	X	‘Related’ is mutually agreed upon. (Needs no motion.)		GO TO “Persuasive” subsection	
Persuasive	Motion and Reason (check one)	X	Negative is related and persuasive. (Needs >1/3 votes to pass.)			
	Motion by/ 2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Systems Second: Lindsey Sullivan / FTD Solutions				
	Discussion	None				
	Result of Vote (check one)	7 Y-0 N; Motion passed.				
		X	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	X	Y
		[Negative is related and not persuasive.] < 2/3			N	GO TO “Final” subsection → (E)
Address by Technical Change Option	<b>Technical Change Recommendations</b> Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.					
	Technical Changes 1	FROM: Section/Paragraph 7.4  7.4 <i>Distribution (used as an adjective)</i> — Movement of a material from one location to another.				
		TO: Section/Paragraph Definitions section: 5.3  5.3 <del><i>Distribution (used as an adjective)</i></del> — <del>M</del> ovement of a material from one location to <del>another</del> one or more other locations.				
		Justification (If necessary)  Rewritten to provide clarity and moved to definitions section.				
	Motion	Negative is addressed by the technical change(s).				
	Motion by/2 <sup>nd</sup> by	By: Lindsey Sullivan / FTD Solutions Second: Bob McIntosh / GF Piping Systems				
Discussion	None					
Result of Vote	9 Y-0 N; Motion passed.					

	(check one)	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO “Incorporation of the Technical Change” subsection	
		<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3	GO TO “Final” subsection → (E)	
	Incorporation of the Technical Change	Motion	To incorporate the technical change(s).		
		Motion by/2 <sup>nd</sup> by	By: David Kandiyeli / Mega Fluid Systems, Inc. Second: Jim Cannon / Mettler Toledo Thornton		
		Discussion	None		
Result of Vote (check one)	9 Y-0 N; Motion passed.				
	<input checked="" type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO “Final” subsection → (F)		
<input type="checkbox"/>	[Disagree to incorporate.] > 10%	GO TO “Final” subsection → (E)			
Final	(check if applicable)	<input type="checkbox"/>	(A)	Withdrawn (counted under h in disposition)	
		<input type="checkbox"/>	(B)	Not related (counted under i in disposition)	
		<input type="checkbox"/>	(C)	Related and not persuasive (significant)	
		<input checked="" type="checkbox"/>	(F)	Addressed by technical change (counted under k disposition)	

### Negative 23 (SG23)

Negative	Referenced Section/ Paragraph	7.6		
	Negative Text	<i>Negative:</i> Change “optical and electronic” to “optical, and electronic”. <i>Reason/Justification:</i> Oxford commas are required by the SEMI Style Manual.		
	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO “Related” subsection
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.)	GO TO “Persuasive” subsection
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)	
		<input type="checkbox"/>	Reason	Editorial to align with Style Manual Table 5-1, item 3
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions		
	Discussion	None		
	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.		
<input checked="" type="checkbox"/>		2/3 ≤ [Negative is related and not persuasive.] < 90%	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)
	(check if applicable)	<input checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-16.	

**Negative 24 (SG24)**

Negative	Referenced Section/ Paragraph	<b>*TF/TC Chapter to fill in, including text in the ballot if necessary.</b>				
	Negative Text	7.6.1 <i>Negative:</i> Rewrite this for clarity. <i>Reason/Justification:</i> I don't understand how an "event" is a "characteristic" As the items in the bullet list are listed individually, it is not correct to describe them as "not mentioned individually".				
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GO TO "Related" subsection	
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection	
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)			
	Motion by/ 2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Systems Second: Lindsey Sullivan / FTD Solutions				
	Discussion	None				
	Result of Vote (check one)	7 Y-0 N; Motion passed.				
		<input checked="" type="checkbox"/>	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input checked="" type="checkbox"/>	Y
	<input type="checkbox"/>	[Negative is related and not persuasive.] < 2/3			N	GO TO "Final" subsection → (E)
Address by Technical Change Option	<b>Technical Change Recommendations</b> Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.					
	Technical Changes	<b>FROM: Section/Paragraph 7.6.1</b>  7.6.1 Other relevant material specific characteristics not mentioned individually: <ul style="list-style-type: none"> <li>• configuration</li> <li>• initiation and termination events</li> <li>• comparison (difference or gradient)</li> <li>• control parameters, operational functions and maintenance diagnostics</li> </ul>				
		<b>TO: Section/Paragraph 7.6.1</b>  7.6.1 Other relevant <del>material</del> operation-specific characteristics not mentioned <del>individually</del> previously: <ul style="list-style-type: none"> <li>• configuration</li> <li>• initiation and termination <del>events</del> setpoints</li> <li>• comparison (difference or gradient)</li> <li>• control parameters, operational functions and maintenance diagnostics</li> </ul>				
		<b>Justification (If necessary)</b>  Rewritten to correct inconsistencies in grammar and intent of the paragraph.				

	<b>Motion</b>	Negative is addressed by the technical change(s).	
	<b>Motion by/2<sup>nd</sup> by</b>	By: Lindsey Sullivan / FTD Solutions Second: Bob McIntosh / GF Piping Systems	
	<b>Discussion</b>	None	
	<b>Result of Vote (check one)</b>	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is addressed by the technical change(s).] <b>GO TO "Incorporation of the Technical Change" subsection</b>
		<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3 <b>GO TO "Final" subsection → (E)</b>
		9 Y-0 N; Motion passed.	
<b>Technical Change</b>	<b>Motion</b>	To incorporate the technical change(s).	
	<b>Motion by/2<sup>nd</sup> by</b>	By: David Kandiyeli / Mega Fluid Systems, Inc. Second: Jim Cannon / Mettler Toledo Thornton	
	<b>Discussion</b>	None	
	<b>Result of Vote (check one)</b>	9 Y-0 N; Motion passed.	
<input checked="" type="checkbox"/>		90% ≤ [Agree to incorporate.] <b>GO TO "Final" subsection → (F)</b>	
<input type="checkbox"/>		[Disagree to incorporate.] > 10% <b>GO TO "Final" subsection → (E)</b>	
<b>Final</b>	<b>(check if applicable)</b>	<input type="checkbox"/>	<b>(A)</b> Withdrawn <b>(counted under h in disposition)</b>
		<input type="checkbox"/>	<b>(B)</b> Not related <b>(counted under i in disposition)</b>
		<input type="checkbox"/>	<b>(C)</b> Related and not persuasive (significant)
		<input type="checkbox"/>	<b>(D)</b> Not significant <b>(counted under j in disposition)</b>
		<input type="checkbox"/>	Related and persuasive and not addressed by technical change <b>DOCUMENT FAILS</b>
		<input checked="" type="checkbox"/>	<b>(F)</b> Addressed by technical change <b>(counted under k disposition)</b>

### Negative 25 (SG25)

<b>Negative</b>	<b>Referenced Section/ Paragraph</b>	<b>*TF/TC Chapter to fill in, including text in the ballot if necessary.</b> 7.7	
	<b>Negative Text</b>	Negative: Change "circulates or" to "circulates, or". Reason/Justification: Oxford commas are required by the SEMI Style Manual.	
<b>Related</b>	<b>Withdrawal (check one)</b>	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. <b>GO TO "Related" subsection</b>
	<b>Motion and Reason (check one)</b>	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. <b>(Needs no motion.)</b> <b>GO TO "Persuasive" subsection</b>
<b>Persuasive</b>	<b>Motion and Reason (check one)</b>	<input checked="" type="checkbox"/>	Negative is related and not persuasive. <b>(Needs ≥2/3 votes to pass.)</b>
		<input type="checkbox"/>	Reason: Editorial to align with Style Manual Table 5-1, item 3
	<b>Motion by/ 2<sup>nd</sup> by</b>	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions	
	<b>Discussion</b>	None	
		11 Y-0 N; Motion passed/failed.	

	Result of Vote (check one)	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	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 checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-17.		

### Negative 26 (SG26)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 7.12			
	Negative Text	Negative: Change "The use of a clean ammonia gas source" to "Clean ammonia gas". Reason/Justification: Neither the source or its use is reacted.			
	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection	
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection	
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
			Reason	Editorial to fix grammar and provide clarity.	
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions			
	Discussion	None			
	Result of Vote (check one)	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	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 checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-18.		



**Negative 27 (SG27)**

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		7.13	
	Negative Text	<i>Negative:</i> Change “recycling or” to “recycling, or”. <i>Reason/Justification:</i> Oxford commas are required by the SEMI Style Manual.	
	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. <b>GO TO “Related” subsection</b>
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.) <b>GO TO “Persuasive” subsection</b>
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)
			Reason: Editorial to align with Style Manual Table 5-1, item 3
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions	
	Discussion	None	
	Result of Vote (check one)	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90% <b>GO TO “Final” subsection → (C)</b>
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 <b>DOCUMENT FAILS</b>
		<input type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)
	(check if applicable)	<input checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-19.

**Negative 28 (SG28)**

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		8.2	
	Negative Text	<i>Negative:</i> Change “Such a system can enable the chemical to reenter the system as a clean source of material for this or other manufacturing processes.” to “Such a system can enable the chemical to reenter the system as a clean <del>source of</del> material for <del>this or other</del> manufacturing processes.” <i>Reason/Justification:</i> The reprocessed material is a “material”, not a “source”. There is no antecedent process for “this”.	
	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. <b>GO TO “Related” subsection</b>
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.) <b>GO TO “Persuasive” subsection</b>
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)

Persuasive	Motion by/ 2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Systems Second: Lindsey Sullivan / FTD Solutions					
	Discussion	None					
	Result of Vote (check one)	<input checked="" type="checkbox"/>	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input checked="" 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)
Address by Technical Change Option	<b>Technical Change Recommendations</b> Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.						
	Technical Changes 1	<b>FROM: Section/Paragraph 8.2</b>  8.2 <i>Reprocessing</i> — A chemical reprocessing unit which purifies or recycles a chemical can be integrated with a chemical distribution system. Such a system can enable the chemical to reenter the system as a clean source of material for this or other manufacturing processes. Reprocessing can help minimize waste and environmental impact.					
		<b>TO: Section/Paragraph 8.2</b>  8.2 <i>Reprocessing</i> — A chemical reprocessing unit which purifies or recycles a chemical can be integrated with a chemical distribution system. Such a system can enable the chemical to reenter the system as a clean <del>source</del> <del>of</del> material for <del>this or other</del> manufacturing processes. Reprocessing can help minimize waste and environmental impact.					
		<b>Justification (if necessary)</b>  Rewritten to provide clarity.					
	Motion	Negative is addressed by the technical change(s).					
	Motion by/2 <sup>nd</sup> by	By: Lindsey Sullivan / FTD Solutions Second: Bob McIntosh / GF Piping Systems					
	Discussion	None					
	Result of Vote (check one)	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO "Incorporation of the Technical Change" subsection			
		<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3	GO TO "Final" subsection → (E)			
	Incorporation of the Technical Change	Motion	To incorporate the technical change(s).				
Motion by/2 <sup>nd</sup> by		By: David Kandiyeli / Mega Fluid Systems, Inc. Second: Jim Cannon / Mettler Toledo Thornton					
Discussion		None					
Result of Vote (check one)		<input checked="" type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO "Final" subsection → (F)			
	<input type="checkbox"/>	[Disagree to incorporate.] > 10%	GO TO "Final" subsection → (E)				
Final	(check if applicable)	<input type="checkbox"/>	(A)	Withdrawn (counted under h in disposition)			
		<input type="checkbox"/>	(B)	Not related (counted under i in disposition)			

		(C)	Related and not persuasive (significant)
		(D)	Not significant (counted under j in disposition)
		(E)	Related and persuasive and not addressed by technical change
	X	(F)	Addressed by technical change (counted under k disposition)

**Negative 29 (SG29)**

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.					
	Negative Text	8.3 <i>Negative:</i> Move this to the Terminology section and format it correctly <i>Reason/Justification:</i> This is a definition, not a recommendation of this Guide.:					
Related	Withdrawal (check one)	X	No Negative withdrawal made by Voter.	GO TO "Related" subsection			
	Motion and Reason (check one)	X	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection			
Persuasive	Motion and Reason (check one)	X	Negative is related and persuasive. (Needs >1/3 votes to pass.)				
	Motion by/ 2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Systems Second: Lindsey Sullivan / FTD Solutions					
	Discussion	None					
	Result of Vote (check one)	7 Y-0 N; Motion passed.					
	X	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	X	Y	GO TO "Address by Technical Change Option" subsection	
		[Negative is related and not persuasive.] < 2/3			N	GO TO "Final" subsection → (E)	
Address by Technical Change Option	<b>Technical Change Recommendations</b> Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.						
	Technical Changes 1	FROM: Section/Paragraph 8.3					
		8.3 <i>Metrology</i> — Devices placed at strategic locations within the process to monitor or qualify the condition of the chemical.					
		TO: Section/Paragraph 8.3					
8.3 <del><i>Metrology</i> — Devices placed at strategic locations within the process to monitor or qualify the condition of the chemical.</del> <i>Process Monitoring</i> — Metrology can be placed at strategic locations within the process to achieve control objectives.							
Justification (if necessary)							
Rewritten as a recommendation of how to employ a design feature.							
Motion		Negative is addressed by the technical change(s).					
Motion by/2 <sup>nd</sup> by		By: Lindsey Sullivan / FTD Solutions Second: Bob McIntosh / GF Piping Systems					

	Discussion	None	
	Result of Vote (check one)	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is addressed by the technical change(s).] GO TO "Incorporation of the Technical Change" subsection
		<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3 GO TO "Final" subsection → (E)
Incorporation of the Technical Change	Motion	To incorporate the technical change(s).	
	Motion by/2 <sup>nd</sup> by	By: David Kandiyeli / Mega Fluid Systems, Inc. Second: Jim Cannon / Mettler Toledo Thornton	
	Discussion	None	
	Result of Vote (check one)	<input checked="" type="checkbox"/>	90% ≤ [Agree to incorporate.] GO TO "Final" subsection → (F)
<input type="checkbox"/>		[Disagree to incorporate.] > 10% GO TO "Final" subsection → (E)	
Final	(check if applicable)	<input type="checkbox"/>	(A) Withdrawn (counted under h in disposition)
		<input type="checkbox"/>	(B) Not related (counted under i in disposition)
		<input type="checkbox"/>	(C) Related and not persuasive (significant)
		<input type="checkbox"/>	(D) Not significant (counted under j in disposition)
		<input type="checkbox"/>	(E) Related and persuasive and not addressed by technical change DOCUMENT FAILS
		<input checked="" type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)

### Negative 30 (SG30)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		9.3	
	Negative Text	Negative: Change "calibration) and other" to "calibration), and other". Reason/Justification: Oxford commas are required by the SEMI Style Manual.	
	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. GO TO "Related" subsection
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.) GO TO "Persuasive" subsection
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)
		<input type="checkbox"/>	Reason: Editorial to align with Style Manual Table 5-1, item 3
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions	
	Discussion	None	
	Result of Vote (check one)	<input type="checkbox"/>	11 Y-0 N; Motion passed/failed.
<input checked="" type="checkbox"/>		2/3 ≤ [Negative is related and not persuasive.] < 90% GO TO "Final" subsection → (C)	
Final		<input type="checkbox"/>	(A) Withdrawn (counted under h in disposition)

	(check if applicable)	<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 checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-20.		

### Negative 31 (SG31)

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.			
	Negative Text	9.3 <i>Negative:</i> Change "Maintenance and Preventative Maintenance — For BCDS" to "Maintenance and Preventative Maintenance for BCDS" <i>Reason/Justification:</i> What follows the em dash is not a sentence.			
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GO TO "Related" subsection
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
			Reason	Editorial to move "for BCDS" in front of the em dash to provide clarity.	
	Motion by/ 2 <sup>nd</sup> by	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions			
	Discussion	None			
	Result of Vote (check one)	11 Y-0 N; Motion passed/failed.			
	<input checked="" type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] < 90%	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 checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-21.		

**Negative 32 (SG32)**

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		9.5	
	Negative Text	<i>Negative:</i> Change “It may be necessary” to “It can be necessary” in the first sentence. <i>Reason/Justification:</i> As specified by the Style Manual, “may” is a statement of permission; “can” is a statement of possibility”.	
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. <b>GO TO “Related” subsection</b>
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.) <b>GO TO “Persuasive” subsection</b>
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)
			Reason: Editorial to align with Style Manual Table 4-6, item 6 – word usage.
	Motion by/ 2 <sup>nd</sup> by		By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions
	Discussion		None
	Result of Vote (check one)	<input checked="" type="checkbox"/>	11 Y-0 N; Motion passed/failed. 2/3 ≤ [Negative is related and not persuasive.] < 90% <b>GO TO “Final” subsection → (C)</b>
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 <b>DOCUMENT FAILS</b>
		<input type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)
	(check if applicable)	<input checked="" type="checkbox"/>	Comment generated. <b>See Section V-(ii) Comment # NC-22.</b>

**Negative 33 (SG33)**

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		9.5	
	Negative Text	<i>Negative:</i> Change “This redundancy” to “Redundancy” in the second sentence. <i>Reason/Justification:</i> There’s no antecedent to “This”.	
Related	Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter. <b>GO TO “Related” subsection</b>
	Motion and Reason (check one)	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.) <b>GO TO “Persuasive” subsection</b>
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)
			Reason: Editorial to fix grammar and provide clarity.

	<b>Motion by/ 2<sup>nd</sup> by</b>	By: Chuck Dale / Veolia Water Second: Lindsey Sullivan / FTD Solutions		
	<b>Discussion</b>	None		
	<b>Result of Vote (check one)</b>	11 Y-0 N; Motion passed/failed.		
		<input checked="" type="checkbox"/> 2/3 ≤ [Negative is related and not persuasive.] < 90%	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 checked="" type="checkbox"/>	Comment generated. See Section V-(ii) Comment # NC-23.	

### Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

33	Original number (#) of Negatives	(g)	
#	Number of Negatives withdrawn	(h)	
#	Number of Negatives found not related	(i)	
#	Number of Negatives found not significant	(j)	
8	Number of Negatives addressed by technical change (Negative becomes not significant)	(k)	
Final	<input type="checkbox"/>	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check
	<input checked="" type="checkbox"/>	$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
	<input type="checkbox"/>	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 (Jenell McCall) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	Recommend that Section 10 include this Standard: SEMI C90-1015 TEST METHOD AND SPECIFICATION FOR TESTING PERFLUOROALKOXY (PFA) MATERIALS USED IN LIQUID CHEMICAL DISTRIBUTION SYSTEMS	
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 checked="" type="checkbox"/>	Editorial Change
	Options for editorial change (check one)	<input type="checkbox"/> <b>Case 1: No vote in this section:</b> <i>To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.</i>
		<input checked="" type="checkbox"/> <b>Case 2: Voted in this section:</b> <i>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</i>
Editorial Changes	1	<b>FROM: Section/Paragraph 10</b>  <b>10 Related Standards and Documents</b> 10.1 SEMI Standards and Safety Guidelines SEMI C1 — Guide for the Analysis of Liquid Chemicals SEMI E49 — Guide for High Purity and Ultrahigh Purity Piping Performance, Subassemblies, and Final Assemblies SEMI F57 — Specification for Polymer Materials and Components Used in Ultrapure Water and Liquid Chemical Distribution Systems SEMI F63 — Guide for Ultrapure Water Used in Semiconductor Processing SEMI S2 — Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment SEMI S8 — Safety Guideline for Ergonomics Engineering of Semiconductor Manufacturing Equipment



<b>TO: Section/Paragraph 10</b>	
<b>10 Related Standards and Documents</b>	
10.1 <i>SEMI Standards and Safety Guidelines</i>	
SEMI C1 — Guide for the Analysis of Liquid Chemicals	
SEMI E49 — Guide for High Purity and Ultrahigh Purity Piping Performance, Subassemblies, and Final Assemblies	
SEMI F57 — Specification for Polymer Materials and Components Used in Ultrapure Water and Liquid Chemical Distribution Systems	
SEMI F63 — Guide for Ultrapure Water Used in Semiconductor Processing	
SEMI S2 — Environmental, Health, and Safety Guideline for Semiconductor Manufacturing Equipment	
SEMI S8 — Safety Guideline for Ergonomics Engineering of Semiconductor Manufacturing Equipment	
<a href="#">SEMI C90 - Test Method and Specification for Testing Perfluoroalkoxy (PFA) Materials Used in Liquid Chemical Distribution Systems</a>	
<b>Justification (If necessary)</b> Added C90 Standard to the Related Standards and Docs section.	
<b>Motion</b>	To approve above editorial change(s)
<b>Motion by/2<sup>nd</sup> by</b>	By: Bob McIntosh / GF Piping Systems Second: Per Nelson / Daikin America, Inc.
<b>Discussion</b>	None
<b>Vote</b>	11 Y-0 N; Motion passed.

*This table is needed for each Comment accompanied a Vote*

## V-(ii) Comments Created by Handling Negative

### Comment (Created by Handling Negative) NC – 1 (SG01)

<b>Comment</b>	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative:</i> Split the latter sentence , “This Guide...reprocessing systems”,. into a separate paragraph <i>Reason/Justification:</i> The exclusion of slurry and reprocessing systems is a separate limitation from the exclusion of small-source-container systems.	
<b>Action</b>	The TC Chapter agreed to do one of the following actions.	
	<b>*No motion is required in this step.</b>	
	<b>X</b>	Editorial change
	Options for editorial	<b>Case 1: No vote in this section:</b>
		<b>Case 2: Voted in this section:</b>

	change (check one)	<input checked="" type="checkbox"/>	Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Changes	1	FROM: Section/Paragraph 3.1	
		3.1 This Guide is not intended to be applicable to every possible use and type of chemical dispensing system, but only to those systems that originate with sources of single lots of liquid materials which operate in a way that delivers to a single or multiple streams. This Guide excludes slurry systems and chemical waste stream reprocessing systems.	
		TO: Section/Paragraph 3.1	
		3.1 This Guide is not intended to be applicable to every possible use and type of chemical dispensing system, but only to those systems that originate with sources of single lots of liquid materials which operate in a way that delivers to a single or multiple streams. <u>3.2</u> This Guide excludes slurry systems and chemical waste stream reprocessing systems.	
		Justification (If necessary) Editorial in nature, separate the paragraph into a separate paragraph.	
Motion		To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by		By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
Discussion		None	
Vote		11 Y-0 N; Motion passed.	

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

### Comment (Created by Handling Negative) NC – 2 (SG02)

Comment	*TF/TC Chapter to fill in		
	Negative: Change "elsewhere in" to "elsewhere, such as in the documents cited in"> Reason/Justification: Neither of the Sections contains such information, although each cites documents that contain such information.		
Action	The TC Chapter agreed to do one of the following actions.		
	*No motion is required in this step.		
	<input checked="" type="checkbox"/>	Editorial change	
	Options for editorial change (check one)	<input type="checkbox"/>	Case 1: No vote in this section:
		<input type="checkbox"/>	Case 2: Voted in this section:
		<input checked="" type="checkbox"/>	Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial	1	FROM: Section/Paragraph 3.2	
		3.2 This Guide excludes construction protocols for BCDS, such as clean manufacturing practices, integrity of fabrication, and prequalification of materials. Such protocols are found elsewhere in § 4, Referenced Standards and Documents and § 10, Related Documents.	

<b>TO: Section/Paragraph 3.2 is now 3.3 (numbering updated)</b>	
3.3 This Guide excludes construction protocols for BCDS, such as clean manufacturing practices, integrity of fabrication, and prequalification of materials. Such protocols are found elsewhere, <a href="#">such as the documents cited</a> in § 4, Referenced Standards and Documents and § 10, Related Documents.	
<b>Justification (If necessary)</b> Editorial to provide clarity to the related docs being referenced.	
<b>Motion</b>	To approve above editorial change(s)
<b>Motion by/2<sup>nd</sup> by</b>	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton
<b>Discussion</b>	None
<b>Vote</b>	11 Y-0 N; Motion passed.

**Comment (Created by Handling Negative) NC – 3 (SG04)**

<b>Comment</b>	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative:</i> Change this to “49 CFR 178 — Specifications for Packagings” <i>Reason/Justification:</i> The title of Part 178 is “Specifications for Packagings” (Yes, the “s” at the end is part of the official title, despite being a bit odd.) The parenthetical note in the ballot is a bit confusing, as the title of Title 49 is “Transportation”.	
<b>Action</b>	The TC Chapter agreed to do one of the following actions.	
	<b>*No motion is required in this step.</b>	
	<input checked="" type="checkbox"/>	Editorial change
	Options for editorial change (check one)	<input type="checkbox"/> Case 1: No vote in this section:
		<input type="checkbox"/> Case 2: Voted in this section:
		<input checked="" type="checkbox"/> Original section number and at least one full sentence are required in “FROM” and “TO” fields.
<b>Editorial Changes</b>	<b>FROM: Section/Paragraph 4.2, first item</b>	
	4.2 <i>Federal Regulations</i> <sup>1</sup> 49 CFR — Title 49 of the Code of Federal Regulations, Part 178 (as they pertain to the Department of Transportation) <sup>2</sup>	
	<b>TO: Section/Paragraph 4.2, first item</b> 4.2 <i>Federal Regulations</i> <sup>1</sup> 49 CFR <a href="#">178</a> — <del>Title 49 of the Code of Federal Regulations, Part 178 (as they pertain to the Department of Transportation)</del> <sup>1</sup> <a href="#">Specifications for Packagings</a>	
	<b>Justification (If necessary)</b> Editorial in nature, updating title.	
<b>Motion</b>	To approve above editorial change(s)	

Motion by/2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton
Discussion	None
Vote	11 Y-0 N; Motion passed.

**Comment (Created by Handling Negative) NC – 4 (SG06)**

Comment	*TF/TC Chapter to fill in	
	<p><i>Negative:</i> Delete these items.  <i>Reason/Justification:</i> They are redundant with the first item, as each of them is within Part 178. Alternatively, one could delete the first item and keep the remaining items.  I note that Subpart K of Part 178, which includes 178.509, is entitled “Non-bulk Performance-Oriented Packaging Standards”, so the US government does not consider things therein to be “bulk”. The SEMI Standards Program is not bound by the US governments definitions, but it might be worthwhile to include a NOTE acknowledging the difference between how this SEMI Standard defines “bulk” and how the US government does.</p>	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
	<input checked="" type="checkbox"/>	Editorial change
	Options for editorial change (check one)	<input type="checkbox"/> Case 1: No vote in this section: <input type="checkbox"/> Case 2: Voted in this section: <input checked="" type="checkbox"/> Original section number and at least one full sentence are required in “FROM” and “TO” fields.
	1	<b>FROM: Section/Paragraph 4.2, second, third, and fourth items.</b> 4.2 <i>Federal Regulations</i> <sup>1</sup> 49 CFR 178 — Specifications for Packagings 49 CFR 178.509 — Standards for Plastic Drums and Jerricans 49 CFR 178.706 — Standards for Rigid Plastic IBCs 49 CFR 178.707— Standards for Composite IBCs (rigid structural IBCs with polymeric liners)
		<b>TO: Section/Paragraph 4.2, second, third, and fourth items.</b> 4.2 <i>Federal Regulations</i> <sup>1</sup> 49 CFR 178 — Specifications for Packagings <del>49 CFR 178.509 — Standards for Plastic Drums and Jerricans—</del> <del>49 CFR 178.706 — Standards for Rigid Plastic IBCs—</del> <del>49 CFR 178.707 — Standards for Composite IBCs (rigid structural IBCs with polymeric liners)</del>
<b>Justification (If necessary)</b> Editorial in nature, removing redundant sections after addressing Negative 4.		
Motion	To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
Discussion	None	
Vote	11 Y-0 N; Motion passed.	

**Comment (Created by Handling Negative) NC – 5**

There is no NC-5. This was numbered incorrectly, please disregard.

**Comment (Created by Handling Negative) NC – 6 (SG08)**

Comment	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative:</i> Change “UPW or” to “UPW, or” <i>Reason/Justification:</i> SEMI’s Style Manual requires the use of Oxford commas.	
Action	The TC Chapter agreed to do one of the following actions.	
	<b>*No motion is required in this step.</b>	
	<input checked="" type="checkbox"/>	Editorial change
	Options for editorial change (check one)	<input type="checkbox"/> Case 1: No vote in this section:
		<input type="checkbox"/> Case 2: Voted in this section:
		<input checked="" type="checkbox"/> <b>Original section number and at least one full sentence are required in “FROM” and “TO” fields.</b>
Editorial Changes	1	<b>FROM: Section/Paragraph 5.2.4</b>  5.2.4 <i>decontamination</i> — cleaning of a BCDS, or any subsystems thereof, by introducing DIW, UPW or chemical solutions into the piping systems.
		<b>TO: Section/Paragraph 5.2.4</b>  5.2.4 <i>decontamination</i> — cleaning of a BCDS, or any subsystems thereof, by introducing DIW, <b>UPW</b> , or chemical solutions into the piping systems.
		<b>Justification (If necessary)</b> Editorial in nature, align with Style Manual Table 5-1, item 3
Motion	To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
Discussion	None	
Vote	11 Y-0 N; Motion passed.	

**Comment (Created by Handling Negative) NC – 7 (SG10)**

Comment	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative:</i> Remove the term from Terminology. <i>Reason/Justification:</i> A search did not find “filter shock” used in the document.	
Action	The TC Chapter agreed to do one of the following actions.	
	<b>*No motion is required in this step.</b>	
	<input checked="" type="checkbox"/>	Editorial change

	Options for editorial change (check one)		Case 1: No vote in this section:
			Case 2: Voted in this section:
	X		Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Changes	1	FROM: Section/Paragraph 5.2.7 5.2.7 <i>filter shock</i> — release of filtrate from filter media due to mechanical, pressure, or chemical influence.	
		TO: Section/Paragraph 5.2.7 <del>5.2.7 <i>filter shock</i> — release of filtrate from filter media due to mechanical, pressure, or chemical influence.</del>	
		Justification (If necessary) Editorial to remove definition, the term does not appear anywhere in the document.	
Motion		To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by		By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
Discussion		None	
Vote		11 Y-0 N; Motion passed.	

**Comment (Created by Handling Negative) NC – 8 (SG11)**

Comment	*TF/TC Chapter to fill in		
	Negative: Change "waste or" to "waste, or" Reason/Justification: SEMI's Style Manual requires the use of Oxford commas.		
Action	The TC Chapter agreed to do one of the following actions.		
	*No motion is required in this step.		
	X	Editorial change	
	Options for editorial change (check one)		Case 1: No vote in this section:
			Case 2: Voted in this section:
	X		Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Changes	1	FROM: Section/Paragraph 5.2.8 5.2.8 <i>flush</i> — the act of using DIW/UPW or some other liquid chemical to clean the line or containment holding another chemical, waste or process medium.	
		TO: Section/Paragraph 5.2.8 5.2.8 <i>flush</i> — the act of using DIW/UPW or some other liquid chemical to clean the line or containment holding another chemical, <u>waste</u> , or process medium.	
		Justification (If necessary) Editorial in nature, align with Style Manual Table 5-1, item 3	

<b>Motion</b>	To approve above editorial change(s)
<b>Motion by/2<sup>nd</sup> by</b>	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton
<b>Discussion</b>	None
<b>Vote</b>	11 Y-0 N; Motion passed.

**Comment (Created by Handling Negative) NC – 9 (SG12)**

<b>Comment</b>	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative: Change "solid or" to "solid, or"</i> <i>Reason/Justification: SEMI's Style Manual requires the use of Oxford commas.</i>	
<b>Action</b>	<b>The TC Chapter agreed to do one of the following actions.</b>	
	<b>*No motion is required in this step.</b>	
	<b>X</b>	Editorial change
<b>Options for editorial change (check one)</b>	<input type="checkbox"/>	<b>Case 1: No vote in this section:</b>
	<input type="checkbox"/>	<b>Case 2: Voted in this section:</b>
	<b>X</b>	<b>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</b>
<b>Editorial Changes</b>	<b>1</b>	<b>FROM: Section/Paragraph 5.2.11</b>  5.2.11 metrology — any device or process which measures a quality or property of any process fluid, solid or gas.
		<b>TO: Section/Paragraph 5.2.11</b>  5.2.11 metrology — any device or process which measures a quality or property of any process fluid, <b>solid</b> , or gas.
		<b>Justification (If necessary)</b> Editorial in nature, align with Style Manual Table 5-1, item 3
<b>Motion</b>	To approve above editorial change(s)	
<b>Motion by/2<sup>nd</sup> by</b>	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
<b>Discussion</b>	None	
<b>Vote</b>	11 Y-0 N; Motion passed.	

**Comment (Created by Handling Negative) NC – 10 (SG16)**

<b>Comment</b>	<b>*TF/TC Chapter to fill in</b>	
	<p><i>Negative:</i> Correct or explain the use of “user” in the first sentence and “purchaser” in the second sentence.</p> <p><i>Reason/Justification:</i> It appears that the two are intended to refer to the same party, in which case the same term should be used. If they are intended to refer to different parties, it would help if the document explained why the “user” gets to establish the criteria that the “purchaser”: uses to decide whether something is acceptable.</p>	
<b>Action</b>	<b>The TC Chapter agreed to do one of the following actions.</b>	
	<b>*No motion is required in this step.</b>	
<b>X</b>	Editorial change	
<b>Options for editorial change (check one)</b>	<input type="checkbox"/>	<b>Case 1: No vote in this section:</b>
	<input type="checkbox"/>	<b>Case 2: Voted in this section:</b>
	<input checked="" type="checkbox"/>	<b>Original section number and at least one full sentence are required in “FROM” and “TO” fields.</b>
<b>Editorial Changes</b>	<b>1</b>	<p><b>FROM: Section/Paragraph 6.3</b></p> <p>6.3 <i>Acceptance Tests</i> — The user should define acceptance tests for each subsystem or system produced. These tests define the basis for acceptance or rejection by the purchaser. These tests may include factory, customer and process acceptance tests (factory acceptance test [FAT], customer acceptance test [CAT], process acceptance test [PAT]) as well as environmental, health, and safety (EHS) tests. The tests, as defined in the basis for acceptance or rejection, should be performed and the results documented.</p>
		<p><b>TO: Section/Paragraph 6.3</b></p> <p>6.3 <i>Acceptance Tests</i> — The user should define acceptance tests for each subsystem or system produced. These tests define the basis for acceptance or rejection by the purchaser. These tests may include factory, customer and process acceptance tests (factory acceptance test [FAT], customer acceptance test [CAT], process acceptance test [PAT]) as well as environmental, health, and safety (EHS) tests. The tests, as defined in the basis for acceptance or rejection, should be performed and the results documented.</p>
		<p><b>Justification (If necessary)</b> Editorial, to stay consistent with term being used.</p>
<b>Motion</b>	To approve above editorial change(s)	
<b>Motion by/2<sup>nd</sup> by</b>	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
<b>Discussion</b>	None	
<b>Vote</b>	11 Y-0 N; Motion passed.	



**Comment (Created by Handling Negative) NC – 11 (SG17)**

Comment	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative:</i> Change “customer and process”: to “customer, and process”. <i>Reason/Justification:</i> Oxford commas are required by the <i>SEMI Style Manual</i> .	
Action	The TC Chapter agreed to do one of the following actions.	
	<b>*No motion is required in this step.</b>	
	<input checked="" type="checkbox"/>	Editorial change
	Options for editorial change (check one)	<input type="checkbox"/> Case 1: No vote in this section:
		<input type="checkbox"/> Case 2: Voted in this section:
		<input checked="" type="checkbox"/> <b>Original section number and at least one full sentence are required in “FROM” and “TO” fields.</b>
Editorial Changes	1	<b>FROM: Section/Paragraph 6.3</b>  6.3 <i>Acceptance Tests</i> — The user should define acceptance tests for each subsystem or system produced. These tests define the basis for acceptance or rejection by the user. These tests may include factory, customer and process acceptance tests (factory acceptance test [FAT], customer acceptance test [CAT], process acceptance test [PAT]) as well as environmental, health, and safety (EHS) tests. The tests, as defined in the basis for acceptance or rejection, should be performed and the results documented.
		<b>TO: Section/Paragraph 6.3</b>  6.3 <i>Acceptance Tests</i> — The user should define acceptance tests for each subsystem or system produced. These tests define the basis for acceptance or rejection by the user. These tests may include factory, <b>customer</b> , and process acceptance tests (factory acceptance test [FAT], customer acceptance test [CAT], process acceptance test [PAT]) as well as environmental, health, and safety (EHS) tests. The tests, as defined in the basis for acceptance or rejection, should be performed and the results documented.
		<b>Justification (If necessary)</b> Editorial in nature, align with Style Manual Table 5-1, item 3
Motion	To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
Discussion	None	
Vote	11 Y-0 N; Motion passed.	

**Comment (Created by Handling Negative) NC – 12 (SG18)**

Comment	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative:</i> Change these from numbered paragraphs to a bulleted list. <i>Reason/Justification:</i> These are not paragraphs, they are noun phrases. If there is a need to refer to any of them individually, a numbered list, instead of a bulleted list, may be used.	
Action	The TC Chapter agreed to do one of the following actions.	
	<b>*No motion is required in this step.</b>	
	<input checked="" type="checkbox"/>	Editorial change

	Options for editorial change (check one)		Case 1: No vote in this section:
	X		Case 2: Voted in this section:
			Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Changes 1		<b>FROM: Section/Paragraph 6.4.1.1 through 6.4.1.10</b> 6.4.1 Qualification testing may include tests for: 6.4.1.1 physical tool hookup/connections 6.4.1.2 fluid system leak integrity 6.4.1.3 control system function integrity to include cables and cable harnesses 6.4.1.4 utility consumption 6.4.1.5 hydraulic distribution performance 6.4.1.6 trace metals 6.4.1.7 anions 6.4.1.8 particles 6.4.1.9 total oxidizable carbon, and 6.4.1.10 other physical/chemical properties that are process required or relevant.	
		<b>TO: Section/Paragraph 6.4.1.1 through 6.4.1.10</b> 6.4.1 Qualification testing may include tests for: <ul style="list-style-type: none"> <li>• <del>6.4.1.1</del> physical tool hookup/connections</li> <li>• <del>6.4.1.2</del> fluid system leak integrity</li> <li>• <del>6.4.1.3</del> control system function integrity to include cables and cable harnesses</li> <li>• <del>6.4.1.4</del> utility consumption</li> <li>• <del>6.4.1.5</del> hydraulic distribution performance</li> <li>• <del>6.4.1.6</del> trace metals</li> <li>• <del>6.4.1.7</del> anions</li> <li>• <del>6.4.1.8</del> particles</li> <li>• <del>6.4.1.9</del> total oxidizable carbon, and</li> <li>• <del>6.4.1.10</del> other physical/chemical properties that are process required or relevant.</li> </ul>	
		<b>Justification (If necessary)</b> Editorial to align with Style Manual Table 1-10, item 1 to convert to bulleted list.	
	<b>Motion</b>	To approve above editorial change(s)	
	<b>Motion by/2<sup>nd</sup> by</b>	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
	<b>Discussion</b>	None	
	<b>Vote</b>	11 Y-0 N; Motion passed.	

**Comment (Created by Handling Negative) NC – 13 (SG19)**

<b>Comment</b>	<b>*TF/TC Chapter to fill in</b>	
	<p><i>Negative:</i> Change these from numbered paragraphs to a bulleted list.                  Add commas and “and” appropriately.                  Do not capitalize each item or end each item with a period.  <i>Reason/Justification:</i> These are not paragraphs, they are noun phrases. If there is a need to refer to any of them individually, a numbered list, instead of a bulleted list, may be used.</p>	
<b>Action</b>	<b>The TC Chapter agreed to do one of the following actions.</b>	
	<b>*No motion is required in this step.</b>	
	<b>X</b>	Editorial change
<b>Options for editorial change (check one)</b>	<input type="checkbox"/>	<b>Case 1: No vote in this section:</b>
	<input checked="" type="checkbox"/>	<b>Case 2: Voted in this section:</b>
		<b>Original section number and at least one full sentence are required in “FROM” and “TO” fields.</b>
<b>Editorial Changes</b>	<b>1</b>	<p><b>FROM: Section/Paragraph 6.5.1 through 6.5.5</b></p> <p>6.5 <i>Chemical Specifications</i> — BCDS may be specified with different levels of impurities at the point of use as compared to the quality of the incoming chemical. These impurities include:</p> <p>6.5.1 Particulate impurities expressed as the number of particles greater than some threshold diameter per mL.</p> <p>6.5.2 Metallic impurities expressed as ppt, ppb, or ppm.</p> <p>6.5.3 Anions expressed as ppt, ppb, or ppm.</p> <p>6.5.4 Organic impurities including total oxidizable carbon, express as ppt, ppb, or ppm.</p> <p>6.5.5 Moisture content, expressed as mass % or mass per unit volume.</p>
		<p><b>TO: Section/Paragraph 6.5.1 through 6.5.5</b></p> <p>6.5 <i>Chemical Specifications</i> — BCDS may be specified with different levels of impurities at the point of use as compared to the quality of the incoming chemical. These impurities include:</p> <ul style="list-style-type: none"> <li>• <del>6.5.1 P</del>particulate impurities expressed as the number of particles greater than some threshold diameter per mL<del>.</del></li> <li>• <del>6.5.2 M</del>metallic impurities expressed as ppt, ppb, or ppm<del>.</del></li> <li>• <del>6.5.3 A</del>anions expressed as ppt, ppb, or ppm<del>.</del></li> <li>• <del>6.5.4 O</del>rganic impurities including total oxidizable carbon, express as ppt, ppb, or ppm, <del>and</del>.</li> <li>• <del>6.5.5 M</del>moisture content, expressed as mass % or mass per unit volume.</li> </ul>
		<p><b>Justification (If necessary)</b>                  Editorial to align with Style Manual Table 1-10, item 1 to convert to bulleted list.</p>
<b>Motion</b>	To approve above editorial change(s)	
<b>Motion by/2<sup>nd</sup> by</b>	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
<b>Discussion</b>	None	
<b>Vote</b>	11 Y-0 N; Motion passed.	

**Comment (Created by Handling Negative) NC – 14 (SG20)**

Comment	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative:</i> Change “areas such as” to “in such things as” <i>Reason/Justification:</i> The listed things are not “areas”.	
Action	The TC Chapter agreed to do one of the following actions.	
	<b>*No motion is required in this step.</b>	
	<input checked="" type="checkbox"/>	Editorial change
	Options for editorial change (check one)	<input type="checkbox"/> Case 1: No vote in this section:
		<input type="checkbox"/> Case 2: Voted in this section:
		<input checked="" type="checkbox"/> <b>Original section number and at least one full sentence are required in “FROM” and “TO” fields.</b>
Editorial Changes	1	<b>FROM: Section/Paragraph 6.6</b> 6.6 <i>Transient Suppression</i> — Many systems can include devices or in-line techniques that minimize transients in areas such as: pressure (surge), flow, electrical, instrumentation signal, temperature changes, or concentration.
		<b>TO: Section/Paragraph 6.6</b> 6.6 <i>Transient Suppression</i> — Many systems can include devices or in-line techniques that minimize transients in <del>areas</del> such <u>things</u> as: pressure (surge), flow, electrical, instrumentation signal, temperature changes, or concentration.
		<b>Justification (If necessary)</b> Editorial to fix grammar and provide clarity.
Motion	To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
Discussion	None	
Vote	11 Y-0 N; Motion passed.	

**Comment (Created by Handling Negative) NC – 15 (SG21)**

Comment	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative:</i> Change “e.g., drums” to “e.g., drum” <i>Reason/Justification:</i> The examples are of a singular noun.	
Action	The TC Chapter agreed to do one of the following actions.	
	<b>*No motion is required in this step.</b>	
	<input checked="" type="checkbox"/>	Editorial change
	Options for editorial change (check one)	<input type="checkbox"/> Case 1: No vote in this section:
		<input type="checkbox"/> Case 2: Voted in this section:
		<input checked="" type="checkbox"/> <b>Original section number and at least one full sentence are required in “FROM” and “TO” fields.</b>

Editorial Changes	1	<b>FROM: Section/Paragraph 7.2</b>
		7.2 <i>Source</i> — The source of each supply fluid for a BCDS, is a bulk container (e.g., drums, intermediate bulk container (IBC), or tote) suitable for holding chemicals.
		<b>TO: Section/Paragraph 7.2</b>
		7.2 <i>Source</i> — The source of each supply fluid for a BCDS, is a bulk container (e.g., drums, intermediate bulk container (IBC), or tote) suitable for holding chemicals.
		<b>Justification (If necessary)</b> Editorial to fix grammar and provide clarity.
Motion	To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
Discussion	None	
Vote	11 Y-0 N; Motion passed.	

**Comment (Created by Handling Negative) NC – 16 (SG23)**

Comment	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative:</i> Change “optical and electronic” to “optical, and electronic”. <i>Reason/Justification:</i> Oxford commas are required by the <i>SEMI Style Manual</i> .	
Action	<b>The TC Chapter agreed to do one of the following actions.</b>	
	<b>*No motion is required in this step.</b>	
	<input checked="" type="checkbox"/>	Editorial change
	Options for editorial change (check one)	<input type="checkbox"/> <b>Case 1: No vote in this section:</b>
		<input type="checkbox"/> <b>Case 2: Voted in this section:</b>
		<input checked="" type="checkbox"/> <b>Original section number and at least one full sentence are required in “FROM” and “TO” fields.</b>
Editorial Changes	1	<b>FROM: Section/Paragraph 7.6</b>
		7.6 <i>Control Systems</i> — For the purposes of this Guide, control systems provide a means to directly or indirectly control the movement of solids, liquids, or gasses. A control system is a combination of manually operated or automated mechanical, pneumatic, hydraulic, optical and electronic systems triggered by a variety of means. Controls systems may also include communication to/from metrology or operational interfaces for one or more of the following:
		<b>TO: Section/Paragraph 7.6</b>
		7.6 <i>Control Systems</i> — For the purposes of this Guide, control systems provide a means to directly or indirectly control the movement of solids, liquids, or gasses. A control system is a combination of manually operated or automated mechanical, pneumatic, hydraulic, <b>optical</b> , and electronic systems triggered by a variety of means. Controls systems may also include communication to/from metrology or operational interfaces for one or more of the following:
		<b>Justification (If necessary)</b> Editorial in nature, align with Style Manual Table 5-1, item 3

Motion	To approve above editorial change(s)
Motion by/2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton
Discussion	None
Vote	11 Y-0 N; Motion passed.

**Comment (Created by Handling Negative) NC – 17 (SG25)**

Comment	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative:</i> Change “circulates or” to “circulates, or”. <i>Reason/Justification:</i> Oxford commas are required by the SEMI Style Manual.	
Action	The TC Chapter agreed to do one of the following actions.	
	<b>*No motion is required in this step.</b>	
	<input checked="" type="checkbox"/>	Editorial change
	Options for editorial change (check one)	<input type="checkbox"/> Case 1: No vote in this section:
		<input type="checkbox"/> Case 2: Voted in this section:
		<input checked="" type="checkbox"/> Original section number and at least one full sentence are required in “FROM” and “TO” fields.
Editorial Changes	1	<b>FROM: Section/Paragraph 7.7</b> 7.7 Tank — A holding container that generally stores, circulates or conditions an amount of chemical prior to transferring this chemical to downstream processes.
		<b>TO: Section/Paragraph 7.7</b> 7.7 Tank — A holding container that generally stores, circulates, or conditions an amount of chemical prior to transferring this chemical to downstream processes.
		<b>Justification (If necessary)</b> Editorial in nature, align with Style Manual Table 5-1, item 3
Motion	To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
Discussion	None	
Vote	11 Y-0 N; Motion passed.	

**Comment (Created by Handling Negative) NC – 18 (SG26)**

Comment	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative:</i> Change “The use of a clean ammonia gas source” to “Clean ammonia gas”. <i>Reason/Justification:</i> Neither the source or its use is reacted.	
Action	The TC Chapter agreed to do one of the following actions.	
	<b>*No motion is required in this step.</b>	

	<input checked="" type="checkbox"/>	Editorial change	
	Options for editorial change (check one)	<input type="checkbox"/>	Case 1: No vote in this section:
		<input type="checkbox"/>	Case 2: Voted in this section:
		<input checked="" type="checkbox"/>	Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Changes	1	<b>FROM: Section/Paragraph 7.12</b>	
		7.12 <i>On-Site Chemical Generation</i> — Liquid chemicals, such as ammonium hydroxide, may be generated on-site. The use of a clean ammonia gas source and DIW/UPW may be reacted to the required concentration. The resulting chemical is used as a source for the distribution system.	
		<b>TO: Section/Paragraph 7.12</b>	
		7.12 <i>On-Site Chemical Generation</i> — Liquid chemicals, such as ammonium hydroxide, may be generated on-site. <del>The use of a</del> clean ammonia gas source and DIW/UPW may be reacted to the required concentration. The resulting chemical is used as a source for the distribution system.	
		<b>Justification (If necessary)</b> Editorial to fix grammar and provide clarity.	
Motion		To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by		By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
Discussion		None	
Vote		11 Y-0 N; Motion passed.	

**Comment (Created by Handling Negative) NC – 19 (SG27)**

Comment	<b>*TF/TC Chapter to fill in</b>		
	<i>Negative:</i> Change "recycling or" to "recycling, or". <i>Reason/Justification:</i> Oxford commas are required by the <i>SEMI Style Manual</i> .		
Action	The TC Chapter agreed to do one of the following actions.		
	<b>*No motion is required in this step.</b>		
	<input checked="" type="checkbox"/>	Editorial change	
	Options for editorial change (check one)	<input type="checkbox"/>	Case 1: No vote in this section:
		<input type="checkbox"/>	Case 2: Voted in this section:
		<input checked="" type="checkbox"/>	Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial	1	<b>FROM: Section/Paragraph 7.13</b>	
		7.13 <i>Reuse of Chemicals</i> — Chemical reuse processes may be integrated with general chemical distribution systems. This may include chemical reprocessing, recycling or reclamation of chemicals used. Uses of these practices are highly encouraged to reduce the environmental impact and associated manufacturing costs.	

	<p><b>TO: Section/Paragraph 7.13</b>  7.13 <i>Reuse of Chemicals</i> — Chemical reuse processes may be integrated with general chemical distribution systems. This may include chemical reprocessing, <b>recycling</b>, or reclamation of chemicals used. Uses of these practices are highly encouraged to reduce the environmental impact and associated manufacturing costs.</p> <p><b>Justification (If necessary)</b>  Editorial in nature, align with Style Manual Table 5-1, item 3</p>
<b>Motion</b>	To approve above editorial change(s)
<b>Motion by/2<sup>nd</sup> by</b>	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton
<b>Discussion</b>	None
<b>Vote</b>	11 Y-0 N; Motion passed.

**Comment (Created by Handling Negative) NC – 20 (SG30)**

<b>Comment</b>	<b>*TF/TC Chapter to fill in</b>	
	<i>Negative:</i> Change “calibration) and other” to “calibration), and other”. <i>Reason/Justification:</i> Oxford commas are required by the <i>SEMI Style Manual</i> .	
<b>Action</b>	The TC Chapter agreed to do one of the following actions.	
	<b>*No motion is required in this step.</b>	
	<input checked="" type="checkbox"/>	Editorial change
	Options for editorial change (check one)	<input type="checkbox"/> <b>Case 1: No vote in this section:</b>
		<input type="checkbox"/> <b>Case 2: Voted in this section:</b>
		<input checked="" type="checkbox"/> <b>Original section number and at least one full sentence are required in “FROM” and “TO” fields.</b>
<b>Editorial Changes</b>	1	<b>FROM: Section/Paragraph 9.3</b> 9.3 <i>Maintenance and Preventative Maintenance</i> — For BCDS includes routine and preventative maintenance of pumps, filters, valves, metrology (including calibration) and other components.
		<b>TO: Section/Paragraph 9.3</b> 9.3 <i>Maintenance and Preventative Maintenance</i> — For BCDS includes routine and preventative maintenance of pumps, filters, valves, metrology (including <b>calibration</b> ), and other components.
		<b>Justification (If necessary)</b> Editorial in nature, align with Style Manual Table 5-1, item 3
<b>Motion</b>	To approve above editorial change(s)	
<b>Motion by/2<sup>nd</sup> by</b>	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
<b>Discussion</b>	None	
<b>Vote</b>	11 Y-0 N; Motion passed.	



**Comment (Created by Handling Negative) NC – 21 (SG31)**

Comment	*TF/TC Chapter to fill in	
	<i>Negative:</i> Change “Maintenance and Preventative Maintenance — For BCDS” to “Maintenance and Preventative Maintenance for BCDS” <i>Reason/Justification:</i> What follows the em dash is not a sentence.	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
	<input checked="" type="checkbox"/>	Editorial change
	Options for editorial change (check one)	<input type="checkbox"/> Case 1: No vote in this section: <input type="checkbox"/> Case 2: Voted in this section: <input checked="" type="checkbox"/> Original section number and at least one full sentence are required in “FROM” and “TO” fields.
	1	<b>FROM: Section/Paragraph 9.3</b> 9.3 Maintenance and Preventative Maintenance — For BCDS includes routine and preventative maintenance of pumps, filters, valves, metrology (including calibration) and other components.
		<b>TO: Section/Paragraph 9.3</b> 9.3 Maintenance and Preventative Maintenance <u>for BCDS</u> — <del>For BCDS</del> includes routine and preventative maintenance of pumps, filters, valves, metrology (including calibration), and other components.
<b>Justification (If necessary)</b> Editorial to move “for BCDS” in front of the em dash to provide clarity.		
Motion	To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton	
Discussion	None	
Vote	11 Y-0 N; Motion passed.	

**Comment (Created by Handling Negative) NC – 22 (SG32)**

Comment	*TF/TC Chapter to fill in	
	<i>Negative:</i> Change “It may be necessary” to “It can be necessary” in the first sentence. <i>Reason/Justification:</i> As specified by the Style Manual, “may” is a statement of permission; “can” is a statement of possibility”.	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
	<input checked="" type="checkbox"/>	Editorial change
	<input type="checkbox"/>	Case 1: No vote in this section:
	<input type="checkbox"/>	Case 2: Voted in this section:

	Options for editorial change (check one)	X	Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Changes	1	FROM: Section/Paragraph 9.5 9.5 Redundancy — It may be necessary to include repetition of components or processes to mitigate risk as assessed by the end user or system designer. This redundancy can take the form of process equipment, piping, electrical components, supply features (electrical or chemical), metrology, or other system features deemed necessary.	
		TO: Section/Paragraph 9.5 9.5 Redundancy — It <del>may</del> can be necessary to include repetition of components or processes to mitigate risk as assessed by the end user or system designer. This redundancy can take the form of process equipment, piping, electrical components, supply features (electrical or chemical), metrology, or other system features deemed necessary.	
		Justification (If necessary) Editorial to align with Style Manual Table 4-6, item 6 – word usage.	
Motion	To approve above editorial change(s)		
Motion by/2 <sup>nd</sup> by	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton		
Discussion	None		
Vote	11 Y-0 N; Motion passed.		

**Comment (Created by Handling Negative) NC – 23 (SG33)**

Comment	*TF/TC Chapter to fill in		
	Negative: Change "This redundancy" to "Redundancy" in the second sentence. Reason/Justification: There's no antecedent to "This".		
Action	The TC Chapter agreed to do one of the following actions.		
	*No motion is required in this step.		
	X	Editorial change	
	Options for editorial change (check one)	X	Case 1: No vote in this section:
			Case 2: Voted in this section:
			Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial	1	FROM: Section/Paragraph 9.5 9.5 Redundancy — It may be necessary to include repetition of components or processes to mitigate risk as assessed by the end user or system designer. This redundancy can take the form of process equipment, piping, electrical components, supply features (electrical or chemical), metrology, or other system features deemed necessary.	

<b>TO: Section/Paragraph 9.5</b>	
9.5 <i>Redundancy</i> — It can be necessary to include repetition of components or processes to mitigate risk as assessed by the end user or system designer. <del>This r</del> Redundancy can take the form of process equipment, piping, electrical components, supply features (electrical or chemical), metrology, or other system features deemed necessary.	
<b>Justification (If necessary)</b> Editorial to fix grammar and provide clarity.	
<b>Motion</b>	To approve above editorial change(s)
<b>Motion by/2<sup>nd</sup> by</b>	By: Bob McIntosh / GF Piping Second: Jim Cannon / Mettler Toledo Thornton
<b>Discussion</b>	None
<b>Vote</b>	11 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	=	46	/	47	=	97.9%		≥90%	

## 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

Note: See *Regulations § 15* for further information.

Motion	<b>X</b>	This is not a <b>Safety Document</b> , when all safety-related information is removed, the Document is still technically sound and complete. ( <i>Regulations ¶ 8.7.1</i> )
		This is a <b>Safety Document</b> , when all safety-related information is removed, the Document is not technically sound and complete. ( <i>Regulations ¶ 8.7.2</i> )
		Safety Checklist ( <i>Regulations ¶ 15.3</i> ) is complete and has been included with the Document throughout the balloting process. ( <i>Regulations ¶ 15.1.2</i> )
Motion by/2 <sup>nd</sup> by		By: Lindsey Sullivan / FTD Solutions Second: Bob McIntosh / GF Piping Systems
Discussion		None
Vote		8 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.

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

## X. Action for This Document

<b>X</b>	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.	
Motion by/2 <sup>nd</sup> by		By: Bob McIntosh / GF Piping Systems Second: Jim Cannon / Mettler Toledo Thornton
Discussion		None
Vote		8 Y-0 9 N
Final Action		<b>X</b> 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.