

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	07/11/2023-07/12/2023	07/11/2023
Location	Moscone, San Francisco, CA/USA	Moscone, San Francisco, 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

Document Number	Document Title
6715A	New Standard: Guide for Evaluating Metrology for Particle Precursors in Ultrapure Water

II. Tally

Standards staff to fill in.

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

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

Voting Tally (with example values):

Voting Interest:	Returned Votes	Distribution	Return Rate	
Letter Ballot	59	÷ 97	= 60.8%	≥60%
Intercommittee Ballot	29			
Voting Interest Reject(s)	1	Total Voters with Rejects		1
Voting Interest Accept(s)	41			

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

Negative	Referenced Section/ Paragraph	7.1.1	
	Negative Text	<p><i>Negative:</i> Replace the first sentence of the paragraph with:</p> <p>Perform five replicate measurements on the reference nanomaterial. If the average reported particle diameter (number-weighted peak diameter) is not between 5.3 and 9.3 nm, the user should take the appropriate corrective action to improve the instrument's performance.</p> <p><i>Reason/Justification:</i> In Guides and Safety Guidelines, "should" indicates an action that the reader is to take. However, the sentence is stating an expected result, not a recommended action. I accept that the TF declines to give specific guidance as to what to do if the expected/desired result is not obtained, but I see no reason for not writing this so that it's clear that "between 5.3 and 9.3 nm" is an expectation and that, if it is not met, appropriate corrective action should be taken.</p> <p>I also note that the paragraph describes the expected result of a measurement, but does not recommend that the measurement be performed.</p>	
	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 type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)
		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)
	Reason	As this is a guide and all criteria are recommendations, it is not within the scope of the document to give directions of what to do if the instrument does not give the desired outcome, including giving direction to perform corrective action.	
	Motion by/ 2 nd by	By: Chuck Dale / Veolia Water Second: Gary Van Schooneveld / CT Associates, Inc	
	Discussion	None	
	Result of Vote (check one)	15 Y 0 N; Motion passed.	
		<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)

Negative 2

Negative	Referenced Section/ Paragraph	7.1.2	
	Negative Text	<p><i>Negative:</i> Change “should be less than” to “is expected to be less than”</p> <p><i>Reason/Justification:</i> In Guides and Safety Guidelines, "should" indicates an action that the reader is to take. However, the sentence is stating an expected result, not a recommended action. I accept that the TF declines to give specific guidance as to what to do if the expected/desired result is not obtained, but I see no reason for not writing this so that it's clear that "less than 15%" is an expectation and that, if it is not met, appropriate corrective action should be taken.</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			Negative is related and persuasive. (Needs >1/3 votes to pass.)
		X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)
	Motion and Reason (check one)		<p>Reason</p> <p>SEMI Style manual does not specify that “should” can only be used to define an action. “Should” is the preferred terminology for referring to recommended elements, and elements can be an instruction or occurrence.</p> <p>Refer to Section 6, Table 4, line 4-6 of Style Manual: <i>(1) Use only ‘shall’ to indicate an element (e.g., instruction or occurrence) that is required or on which there is no option. Do not use other terms (e.g., ‘must’, ‘will’, ‘requires’, ‘needs to’) for these purposes.</i> <i>(5) Use only ‘should’ to indicate an element that is desirable or recommended, but not required, except in a Safety Guideline where it is used to express criteria for conformance to that Document.</i></p>
	Motion by/ 2 nd by	By: Chuck Dale / Veolia Water Second: John Tracy / Gradient Corp.	
	Discussion	AT comments that this should be not related and not persuasive.	
	Result of Vote (check one)	14 Y 0 N; Motion passed.	
	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)

Negative 3

Negative	Referenced Section/ Paragraph	NOTE 3 (after 7.1.2)			
	Negative Text	<p><i>Negative:</i> Change "month (refer to Appendix 1)." to "month. (Refer to Appendix 1.)"</p> <p><i>Reason/Justification:</i> Correct grammar. I am painfully aware that SEMI's Publications department will not allow a parenthetical, properly- punctuated sentence within a sentence. Removing the parentheses will enable the sentence within them to get through Publications without having its punctuation removed.</p>			
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 type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
	Reason	No change needed, the balloted version conforms to preferred parenthetical expression style in the SEMI Style Manual.			
	Motion by/ 2 nd by	By: Bob McIntosh / GF Piping Systems Second: Chuck Dale / Veolia Water			
	Discussion	Gary: the TF does not believe that the TF should be spending time on formatting.			
	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)

Negative 4

Negative	Referenced Section/ Paragraph	7.1.3	
	Negative Text	<p><i>Negative:</i> Change "should be within" to "is expected to be within"</p> <p><i>Reason/Justification:</i> In Guides and Safety Guidelines, "should" indicates an action that the reader is to take. However, the sentence is stating an expected result, not a recommended action. I accept that the TF declines to give specific guidance as to what to do if the expected/desired result is not obtained, but I see no reason for writing this so that it's clear that "within ±5%" is an expectation and that, if it is not met, appropriate corrective action should be taken.</p>	
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	
	Persuasive		Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
Motion and Reason (check one)			Reason	SEMI Style manual does not specify that "should" can only be used to define an action. "Should" is the preferred terminology for referring to recommended elements, and elements can be an instruction or occurrence. Refer to Section 6, Table 4, line 4-6 of Style Manual: (1) Use only 'shall' to indicate an element (e.g., instruction or occurrence) that is required or on which there is no option. Do not use other terms (e.g., 'must', 'will', 'requires', 'needs to') for these purposes. (5) Use only 'should' to indicate an element that is desirable or recommended, but not required, except in a Safety Guideline where it is used to express criteria for conformance to that Document.	
Motion by/ 2 nd by		By: Chuck Dale / Veolia Water Second: John Tracy / Gradiant Corp.			
Discussion		AT comments that this should be not related and not persuasive.			
Result of Vote (check one)		14 Y 0 N; Motion passed.			
	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)

Negative 5

Negative	Referenced Section/ Paragraph	7.2.1		
	Negative Text	<p><i>Negative:</i> Change "should be within" to "is expected to be within"</p> <p><i>Reason/Justification:</i> In Guides and Safety Guidelines, "should" indicates an action that the reader is to take. However, the sentence is stating an expected result, not a recommended action. I accept that the TF declines to give specific guidance as to what to do if the expected/desired result is not obtained, but I see no reason for writing this so that it's clear that "within ±10%" is an expectation and that, if it is not met, appropriate corrective action should be taken.</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		Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
Motion and Reason (check one)			Reason	SEMI Style manual does not specify that "should" can only be used to define an action. "Should" is the preferred terminology for referring to recommended elements, and elements can be an instruction or occurrence. Refer to Section 6, Table 4, line 4-6 of Style Manual: (1) Use only 'shall' to indicate an element (e.g., instruction or occurrence) that is required or on which there is no option. Do not use other terms (e.g., 'must', 'will', 'requires', 'needs to') for these purposes. (5) Use only 'should' to indicate an element that is desirable or recommended, but not required, except in a Safety Guideline where it is used to express criteria for conformance to that Document.	
Motion by/ 2 nd by		By: Chuck Dale / Veolia Water Second: John Tracy / Gradiant Corp.			
Discussion		AT comments that this should be not related and not persuasive.			
Result of Vote (check one)		14 Y 0 N; Motion passed.			
	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)

Negative 6

Negative	Referenced Section/ Paragraph	7.2.2		
	Negative Text	<p><i>Negative:</i> Change "should be less than" to "is expected to be less than"</p> <p><i>Reason/Justification:</i> In Guides and Safety Guidelines, "should" indicates an action that the reader is to take. However, the sentence is stating an expected result, not a recommended action. I accept that the TF declines to give specific guidance as to what to do if the expected/desired result is not obtained, but I see no reason for writing this so that it's clear that "less than 15%" is an expectation and that, if it is not met, appropriate corrective action should be taken.</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		Negative is related and persuasive. (Needs >1/3 votes to pass.)			
		X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
Motion and Reason (check one)			Reason	SEMI Style manual does not specify that "should" can only be used to define an action. "Should" is the preferred terminology for referring to recommended elements, and elements can be an instruction or occurrence. Refer to Section 6, Table 4, line 4-6 of Style Manual: (1) Use only 'shall' to indicate an element (e.g., instruction or occurrence) that is required or on which there is no option. Do not use other terms (e.g., 'must', 'will', 'requires', 'needs to') for these purposes. (5) Use only 'should' to indicate an element that is desirable or recommended, but not required, except in a Safety Guideline where it is used to express criteria for conformance to that Document.		
Motion by/ 2 nd by		By: Chuck Dale / Veolia Water Second: John Tracy / Gradiant Corp.				
Discussion		AT comments that this should be not related and not persuasive.				
Result of Vote (check one)		14 Y 0 N; Motion passed.				
	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)		

Negative 7

Negative	Referenced Section/ Paragraph	7.2.3			
	Negative Text	<p><i>Negative:</i> Change "should be less than" to "is expected to be less than"</p> <p><i>Reason/Justification:</i> In Guides and Safety Guidelines, "should" indicates an action that the reader is to take. However, the sentence is stating an expected result, not a recommended action. I accept that the TF declines to give specific guidance as to what to do if the expected/desired result is not obtained, but I see no reason for writing this so that it's clear that "less than 15%" is an expectation and that, if it is not met, appropriate corrective action should be taken.</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		Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
Motion and Reason (check one)			Reason	SEMI Style manual does not specify that "should" can only be used to define an action. "Should" is the preferred terminology for referring to recommended elements, and elements can be an instruction or occurrence. Refer to Section 6, Table 4, line 4-6 of Style Manual: (1) Use only 'shall' to indicate an element (e.g., instruction or occurrence) that is required or on which there is no option. Do not use other terms (e.g., 'must', 'will', 'requires', 'needs to') for these purposes. (5) Use only 'should' to indicate an element that is desirable or recommended, but not required, except in a Safety Guideline where it is used to express criteria for conformance to that Document.	
Motion by/ 2 nd by		By: Chuck Dale / Veolia Water Second: John Tracy / Gradiant Corp.			
Discussion		AT comments that this should be not related and not persuasive.			
Result of Vote (check one)		14 Y 0 N; Motion passed.			
	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)

Negative 8

Negative	Referenced Section/ Paragraph	7.3.1		
	Negative Text	<p><i>Negative:</i> Change "should be less than" to "is expected to be less than"</p> <p><i>Reason/Justification:</i> In Guides and Safety Guidelines, "should" indicates an action that the reader is to take. However, the sentence is stating an expected result, not a recommended action. I accept that the TF declines to give specific guidance as to what to do if the expected/desired result is not obtained, but I see no reason for writing this so that it's clear that "less than 15%" is an expectation and that, if it is not met, appropriate corrective action should be taken.</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)		Negative is related and persuasive. (Needs >1/3 votes to pass.)		
X			Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
			Reason	<p>SEMI Style manual does not specify that “should” can only be used to define an action. “Should” is the preferred terminology for referring to recommended elements, and elements can be an instruction or occurrence.</p> <p>Refer to Section 6, Table 4, line 4-6 of Style Manual: <i>(1) Use only ‘shall’ to indicate an element (e.g., instruction or occurrence) that is required or on which there is no option. Do not use other terms (e.g., ‘must’, ‘will’, ‘requires’, ‘needs to’) for these purposes.</i> <i>(5) Use only ‘should’ to indicate an element that is desirable or recommended, but not required, except in a Safety Guideline where it is used to express criteria for conformance to that Document.</i></p>		
Motion by/ 2 nd by		By: Chuck Dale / Veolia Water Second: John Tracy / Gradient Corp.				
Discussion		AT comments that this should be not related and not persuasive.				
Result of Vote (check one)		14 Y 0 N; Motion passed.				
	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)		

Negative 9

Negative	Referenced Section/ Paragraph	8.1.2.1			
	Negative Text	<p><i>Negative:</i> Change “should be either” to “is expected to be either” <i>Reason/Justification:</i> In Guides and Safety Guidelines, “should” indicates an action that the reader is to take. However, the sentence is stating an expected result, not a recommended action. I accept that the TF declines to give specific guidance as to what to do if the expected/desired result is not obtained, but I see no reason for writing this so that it's clear that “less than...results” is an expectation and that, if it is not met, appropriate corrective action should be taken.</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)		Negative is related and persuasive. (Needs >1/3 votes to pass.)	
X			Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
Reason		SEMI Style manual does not specify that "should" can only be used to define an action. "Should" is the preferred terminology for referring to recommended elements, and elements can be an instruction or occurrence. Refer to Section 6, Table 4, line 4-6 of Style Manual: (1) Use only 'shall' to indicate an element (e.g., instruction or occurrence) that is required or on which there is no option. Do not use other terms (e.g., 'must', 'will', 'requires', 'needs to') for these purposes. (5) Use only 'should' to indicate an element that is desirable or recommended, but not required, except in a Safety Guideline where it is used to express criteria for conformance to that Document.			
Motion by/ 2 nd by		By: Chuck Dale / Veolia Water Second: John Tracy / Gradiant Corp.			
Discussion		AT comments that this should be not related and not persuasive.			
Result of Vote (check one)		14 Y 0 N; Motion passed.			
Final	(check if applicable)	X	2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)	
			(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)	

Negative 10

Negative	Referenced Section/ Paragraph	8.3.1.1		
	Negative Text	<p>Negative: Change "should be within" to "is expected to be within"</p> <p>Reason/Justification: In Guides and Safety Guidelines, "should" indicates an action that the reader is to take. However, the sentence is stating an expected result, not a recommended action. I accept that the TF declines to give specific guidance as to what to do if the expected/desired result is not obtained, but I see no reason for writing this so that it's clear that "between 5.3 and 9.3 nm" is an expectation and that, if it is not met, appropriate corrective action should be taken.</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)		Negative is related and persuasive. (Needs >1/3 votes to pass.)		
X			Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
Reason		SEMI Style manual does not specify that "should" can only be used to define an action. "Should" is the preferred terminology for referring to recommended elements, and elements can be an instruction or occurrence. Refer to Section 6, Table 4, line 4-6 of Style Manual: (1) Use only 'shall' to indicate an element (e.g., instruction or occurrence) that is required or on which there is no option. Do not use other terms (e.g., 'must', 'will', 'requires', 'needs to') for these purposes. (5) Use only 'should' to indicate an element that is desirable or recommended, but not required, except in a Safety Guideline where it is used to express criteria for conformance to that Document.				
Motion by/ 2 nd by		By: Chuck Dale / Veolia Water Second: John Tracy / Gradient Corp.				
Discussion		AT comments that this should be not related and not persuasive.				
Result of Vote (check one)		14 Y 0 N; Motion passed.				
Final	(check if applicable)	X	2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)		
			(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)		

Negative 11

Negative	Referenced Section/ Paragraph	Eq 3 (8.3.1.2)			
	Negative Text	<p>Negative: Reformat the equation, using a horizontal line, rather than the slanted line.</p> <p>Reason/Justification: Make it clear that what is meant is $C=A/(A+B)$, rather than $C=(A/A) + B$. Also, I don't see a need to specify the units. As long as the same units are used for the two masses, they could just as well be [stone • fortnight²/furlong] ;o).</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)	<input type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)			
		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
		Reason	Editorial in nature. Update equation format for clarity.			
	Motion by/ 2 nd by	By: Chuck Dale / Veolia Water Second: Koh Murai / Mega Fluid Systems, Inc.				
	Discussion	None				
	Result of Vote (check one)	15 Y 0 N; Motion passed.				
<input checked="" type="checkbox"/>		2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)			
<input type="checkbox"/>		90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection			
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-1.			

Negative 12

Negative	Referenced Section/ Paragraph	8.3.1.6		
	Negative Text	<p><i>Negative:</i> Change "should be within" to "is expected to be within"</p> <p><i>Reason/Justification:</i> In Guides and Safety Guidelines, "should" indicates an action that the reader is to take. However, the sentence is stating an expected result, not a recommended action. I accept that the TF declines to give specific guidance as to what to do if the expected/desired result is not obtained, but I see no reason for writing this so that it's clear that "±5%" is an expectation and that, if it is not met, appropriate corrective action should be taken.</p>		
	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 type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)	
		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)	

		Reason	SEMI Style manual does not specify that “should” can only be used to define an action. “Should” is the preferred terminology for referring to recommended elements, and elements can be an instruction or occurrence. Refer to Section 6, Table 4, line 4-6 of Style Manual: <i>(1) Use only ‘shall’ to indicate an element (e.g., instruction or occurrence) that is required or on which there is no option. Do not use other terms (e.g., ‘must’, ‘will’, ‘requires’, ‘needs to’) for these purposes.</i> <i>(5) Use only ‘should’ to indicate an element that is desirable or recommended, but not required, except in a Safety Guideline where it is used to express criteria for conformance to that Document.</i>	
	Motion by/ 2 nd by	By: Chuck Dale / Veolia Water Second: John Tracy / Gradiant Corp.		
	Discussion	AT comments that this should be not related and not persuasive.		
	Result of Vote (check one)	14 Y 0 N; Motion passed.		
		X 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)	
		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	DOCUMENT FAILS
		<input type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)	

Negative 13

Negative	Referenced Section/ Paragraph	A1-2.1	
	Negative Text	<p><i>Negative:</i> Change “Guide (refer to Appendix 2 for the diafiltration procedure).” to “Guide. (Refer to Appendix 2 for the diafiltration procedure).”</p> <p><i>Reason/Justification:</i> Correct grammar. I am painfully aware that SEMI’s Publications department will not allow a parenthetical, properly-punctuated sentence within a sentence. Removing the parentheses will enable the sentence within them to get through Publications without having its punctuation removed.</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)	<input type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)
		X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)
		Reason	No change needed, the balloted version conforms to preferred parenthetical expression style in the SEMI Style Manual.

	Motion by/ 2nd by	By: Bob McIntosh / GF Piping Systems Second: Chuck Dale / Veolia Water		
	Discussion	Gary: the TF does not believe that the TF should be spending time on formatting.		
	Result of Vote (check one)	15 Y 0 N; Motion passed.		
		<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)	

Negative 14

Negative	Referenced Section/ Paragraph	A2-1.1		
	Negative Text	<i>Negative:</i> Change “(refer to Figure A2-1)” to “(Refer to Figure A2-1.)” <i>Reason/Justification:</i> Correct grammar. I am painfully aware that SEMI’s Publications department will not allow a parenthetical, properly-punctuated sentence. Removing the parentheses will enable the sentence within them to get through Publications without having its punctuation removed.		
	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 type="checkbox"/> Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		<input checked="" type="checkbox"/> Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
	Reason	No change needed, the balloted version conforms to preferred parenthetical expression style in the SEMI Style Manual.		
	Motion by/ 2nd by	By: Bob McIntosh / GF Piping Systems Second: Chuck Dale / Veolia Water		
	Discussion	Gary: the TF does not believe that the TF should be spending time on formatting.		
	Result of Vote (check one)	15 Y 0 N; Motion passed.		
		<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)	

Negative 15

Negative	Referenced Section/ Paragraph	R1-2.2	
	Negative Text	<p><i>Negative:</i> Change “DMA (refer to Figure R1-1).” to “DMA. (Refer to Figure R1-1.)”</p> <p><i>Reason/Justification:</i> Correct grammar. I am painfully aware that SEMI’s Publications department will not allow a parenthetical, properly-punctuated sentence within a sentence. Removing the parentheses will enable the sentence within them to get through Publications without having its punctuation removed.</p>	
	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 type="checkbox"/> Negative is related and persuasive. (Needs >1/3 votes to pass.)	
		<input checked="" type="checkbox"/> Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)	
	Reason	No change needed, the balloted version conforms to preferred parenthetical expression style in the SEMI Style Manual.	
	Motion by/ 2 nd by	By: Bob McIntosh / GF Piping Systems Second: Chuck Dale / Veolia Water	
	Discussion	Gary: the TF does not believe that the TF should be spending time on formatting.	
	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)	

Negative 16

Negative	Referenced Section/ Paragraph	R1-2.2	
	Negative Text	<p><i>Negative:</i> Change “concentrations (refer to Figure R1-2).” to “concentrations. (Refer to Figure R1-2.)”</p> <p><i>Reason/Justification:</i> Correct grammar. I am painfully aware that SEMI’s Publications department will not allow a parenthetical, properly-punctuated sentence within a sentence. Removing the parentheses will enable the sentence within them to get through Publications without having its punctuation removed.</p>	
	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 type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
		Reason	No change needed, the balloted version conforms to preferred parenthetical expression style in the SEMI Style Manual.		
	Motion by/ 2 nd by	By: Bob McIntosh / GF Piping Systems Second: Chuck Dale / Veolia Water			
	Discussion	Gary: the TF does not believe that the TF should be spending time on formatting.			
	Result of Vote (check one)	15 Y 0 N; Motion passed.			
<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)	

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

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

This table is needed for each Voting Interest Reject.

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (Regulations ¶ 9.4.3.3)

Note: A Negative addressed by a technical change is automatically considered to be not significant. (Regulations ¶ 9.6.1.4.5.2)

IV. Other Technical Issues

None

V. Comments

V- (i) Voters' Comments

Commenter 1 (Rafael Vargas-Bernal/ ITSdl) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	In Note 2 of the Table A1-1, 'k' and 'uc' must be emphasized using italic fonts.	
	In subsection A3.3.1 emphasize equation using italic fonts.	
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"/>	Case 1: No vote in this section: To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.
	<input checked="" type="checkbox"/>	Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields.
	<input type="checkbox"/>	
	<input type="checkbox"/>	
1	FROM: Section/Paragraph Note 2 of Table A1-1	#3: Expanded uncertainties $U = kuc$ were calculated according to ISO Guide 35 with the coverage factor $k = 2$ giving a level of confidence of approximately 95%. The value of the combined standard uncertainty (uc) of the property includes an uncertainty contribution resulting from the study of homogeneity, long-term stability of the material, variation in the measurement results from a gold standard, and variation in the individual instruments.
	TO: Section/Paragraph Note 2 of Table A1-1	#3: Expanded uncertainties $U = kuc kuc$ were calculated according to ISO Guide 35 with the coverage factor k $k = 2$ giving a level of confidence of approximately 95%. The value of the combined standard uncertainty (uc uc) of the property includes an uncertainty contribution resulting from the study of homogeneity, long-term stability of the material, variation in the measurement results from a gold standard, and variation in the individual instruments.
	Justification (If necessary)	Update italics to conform with SEMI style guide (Table 6, Line 6-12): Use lowercase italics to indicate variables.
2	FROM: Section/Paragraph A3.3.1	$C_{particles-mass} = C_{particles-number} \times \frac{4}{3} \pi r^3 \rho \times 10^{-9}$

TO: Section/Paragraph A3.3.1	
$C_{particles-mass} = C_{particles-number} \times \frac{4}{3} \pi r^3 \rho \times 10^{-9}$	
Justification (If necessary) Update italics to conform with SEMI style guide (Table 6, Line 6-12): Use lowercase italics to indicate variables.	
Motion	To approve above editorial change(s)
Motion by/2nd by	By: Chuck Dale / Veolia Water Second: Koh Murai / Mega Fluid Systems, Inc.
Discussion	None
Vote	15 Y 0 N; Motion passed.

V-(ii) Comments Created by Handling Negative

Comment (Created by Handling Negative) **NC – 1 (SG11)**

Comment	Eq 3 (8.3.1.2) <i>Negative:</i> Reformat the equation, using a horizontal line, rather than the slanted line. <i>Reason/Justification:</i> Make it clear that what is meant is $C=A/(A+B)$, rather than $C=(A/A) + B$. Also, I don't see a need to specify the units. As long as the same units are used for the two masses, they could just as well be [stone • fortnight ² /furlong] ;o).	
	The TC Chapter agreed to do one of the following actions.	
Action	*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)	Case 1: No vote in this section:
		To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.
	<input checked="" type="checkbox"/>	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 Eq 3 (8.3.1.2) $C_{KCl} = \frac{\text{Mass of } KCl (g)}{(\text{Mass of } KCl (g) + \text{Mass of water } (g))}$

TO: Section/Paragraph Eq 3 (8.3.1.2)	
$C_{KCl} = \frac{\text{Mass of KCl (g)}}{\text{Mass of KCl (g)} + \text{Mass of Water (g)}}$	
Justification (If necessary) Update equation format for clarity.	
Motion	To approve above editorial change(s)
Motion by/2nd by	By: Chuck Dale / Veolia Water Second: Koh Murai / Mega Fluid Systems, Inc.
Discussion	None
Vote	14 Y 0 N; Motion passed.

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

VII. Approval Conditions Check

VII. - (i). Approval Rate

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

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

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

		Accepts		(Accepts + Valid Rejects)					
Approval Rate	=	41	/	42	=	97.6%		≥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	<input checked="" type="checkbox"/>	This is not a Safety Document , when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations ¶ 8.7.1</i>)
	<input type="checkbox"/>	This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations ¶ 8.7.2</i>)
	<input type="checkbox"/>	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/2nd by		By: Koh Murai / Mega Fluid Systems, Inc. Second: Gary Van Schooneveld / CT Associates, Inc
Discussion		None
Vote		14 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.

<input checked="" type="checkbox"/>	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>)	
<input checked="" type="checkbox"/>	The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.)	GO TO SECTION X.

X. Action for This Document

<input checked="" type="checkbox"/>	This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.	
Motion by/ 2nd by		By: Gary Van Schooneveld / CT Associates, Inc Second: Koh Murai / Mega Fluid Systems, Inc.
Discussion		None
Vote		13 Y 0 N
Final Action		<input checked="" type="checkbox"/> Motion passed.
		<input type="checkbox"/> 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.