

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **North America**

Global Technical Committee: **Liquid Chemicals**

TC Chapter Cochairs: **Don Hadder (Intel), Laura Ledenbach (PeroxyChem), Steven Rogers (KMG Chemicals), Koh Murai (MegaFluid Systems)**

Standards Staff: **Laura Nguyen**

	Scheduled in Background Statement	Actual
Date	TBD	08/20/2020
Location	SEMI HQ, Milpitas, CA/USA	SEMI Japan Office, Tokyo, Japan
Reason for Change of Date and/or Location (if changed)	Force majeure caused by the corona virus.	

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

I. Document Number and Title

Document Number 6645	Document Title Revision to SEMI F40-0699E (Reapproved 0918), Practice for Preparing Liquid Chemical Distribution Components for Chemical Testing, with title change to: Practice for Preparing Liquid Chemical Distribution Components and Neat Polymers for Chemical Testing
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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 Vote	÷	Distributio	=	Return Rate	
Letter Ballot	65		106		61.3%	≥60%
Intercommittee Ballot	20					
Voting Interest Reject(s)	1		Total Voters with Rejects		1	
Voting Interest Accept(s)	42					

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	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
		#SG42 ¶ 10.6.4		
Negative Text		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.		
		<p><i>Negative:</i> Change “or greater. The equation to determine the ratio is 4L/D, where L is the length of the pipe or tubing and D is the diameter” to “or greater, <i>i.e.</i>, the length be at least 2.5 times the diameter.”</p> <p><i>Reason/Justification:</i> “4L/D” is not an “equation”. Furthermore, if we know what minimum we want for the value, it’s easier for the user if we just state a minimum length to diameter ratio. Derivation: Internal pipe wall area = $\pi \times D \times L$ Internal pipe cross-section area = $\pi \times (D/2)^2$ Ratio = $[\pi \times D \times L] / [\pi \times (D/2)^2] = 4 \times L/D$ Setting that to be at least 10 yields: $10 \leq 4 \times L/D$, which can be simplified to $L \geq 2.5 \times D$.</p>		
TF input (optional)				
Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO “Related” subsection	
	<input type="checkbox"/>	Withdrawal document received by Standards staff on MM/DD/YYYY.	GO TO “Final” subsection → (A)	
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.)	GO TO “Persuasive” subsection
		<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)	
		Reason	XXXX	
	Motion by/ 2nd by	Name (Company)/Name (Company)		
	Discussion			
Result of Vote (check one)	<input checked="" type="checkbox"/>	XX Y-XX N; Motion passed/failed.		
	<input type="checkbox"/>	[Negative is not related.] < 2/3	GO TO “Persuasive” subsection	
	<input type="checkbox"/>	2/3 ≤ [Negative is not related.]	GO TO “Final” subsection → (B)	
Persuasive	Motion and Reason (check one)	<input checked="" type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)	
		<input type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)	
		Reason	XXXX	

	Motion by/ 2nd by	Takuya Nagafuchi (Nihon Entegris) / Kaoru Kondo (RION)				
	Discussion	None				
	Result of Vote (check one)	3 Y-0 N; Motion passed.				
		X	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	Y	GO TO "Address by Technical Change Option" subsection
			[Negative is related and not persuasive.] < 2/3	X	N	GO TO "Final" subsection → (E)
			$2/3 \leq$ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)		
			$90\% \leq$ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection		
Final	(check if applicable)		(A)	Withdrawn (counted under h in disposition)		
			(B)	Not related (counted under i in disposition)		
			(C)	Related and not persuasive (significant)		
			(D)	Not significant (counted under j in disposition)		
		X	(E)	Related and persuasive and not addressed by technical change		DOCUMENT FAILS
		(F)	Addressed by technical change (counted under k disposition)			
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.			

IV. Other Technical Issues

None

V. Comments

None

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

None

VII. Approval Conditions Check

N/A – Document Fails

VIII. Safety Check

N/A – Document Fails

IX. Intellectual Property (IP) Check

N/A – Document Fails

X. Action for This Document

Motion	<input type="checkbox"/>	This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
	<input type="checkbox"/>	This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
	<input type="checkbox"/>	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.
	<input checked="" type="checkbox"/>	This Document failed TC Chapter review and will be returned to the TF for rework.
	<input type="checkbox"/>	This Document failed TC Chapter review and work will be discontinued.
Motion by/ 2nd by	Takuya Nagafuchi (Nihon Entegris) / Kaoru Kondo (RION)	
Discussion	None	
Vote	3 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.