Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: North America
Global Technical Committee: Liquid Chemicals
TC Chapter Cochairs: Frank Flowers (PeroxyChem)
Standards Staff: Inna Skvortsova, James Amano

	Scheduled in Background Statement	Actual
Date	07/12/2016	07/12/2016
Location	San Francisco, CA/USA	San Francisco, CA/USA
Reason for Change of Date and/or Location (if changed)		

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

I. Document Number and Title

Document Number	Document Title
5992	Revision to SEMI F41-0699: GUIDE FOR QUALIFICATION OF A BULK CHEMICAL DISTRIBUTION SYSTEM USED IN SEMICONDUCTOR PROCESSING

II. Tally

Standards staff to fill in.

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

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

Voting Tally:

Voting Interest:	Returned Votes		Distribution		Return Rate	
Letter Ballot	47	÷	78	=	60.3%	≥60%
Intercommittee Ballot	15					
Voting Interest Reject(s)	0		Total Voters with Rejects			0
Voting Interest Accept(s)	27					

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

III. Rejects
No rejects received.

IV. Other Technical Issues
None

V. Comments

V- (i) Voters' Comments

Commenter 1 (Vargas-Bernal, Rafael) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.		
	In subsection 8.4, in the chemical formula of H2O2, sub indices must be used.		
Action	The TC Chapter agreed to do one of the following actions.		
	*No motion is required in this step.		
		Already addressed by Commenter #, Comment #	
		No further action was taken by the TC Chapter.	
		Refer to the TF for more consideration.	
		New Business	
	X	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.*
		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	FROM: Section/Paragraph 8.4 *Conditioning Procedure* — Follow the best practices for cleaning the types of materials that may be present. This typically includes using common chemicals (H2O2, HCL, HF, and HNO_3). These chemistries and others will address metals impurities, particles, and organic impurities. The choice cleaning chemistry shall also take into account the materials of construction of the physical system being cleaned and its' components. The steps followed include: 8.4.1 Install an acceptable chemical filter element(s) per the filter and BCDS manufacturer's specifications.	
		TO: Section/Paragraph 8.4 *Conditioning Procedure* — Follow the best practices for cleaning the types of materials that may be present. This typically includes using common chemicals (~~H2O2~~H_2O_2, HCL, HF, and HNO_3). These chemistries and others will address metals impurities, particles, and organic impurities. The choice cleaning chemistry shall also take into account the materials of construction of the physical system being cleaned and its' components. The steps followed include: 8.4.1 Install an acceptable chemical filter element(s) per the filter and BCDS manufacturer's specifications.	
		Justification Editorial in nature	

Motion	To approve above editorial change(s)
Motion by/2nd by	Koh Murai (MegaFluids Systems) / Don Hadder (Intel)
Discussion	None
Vote	14 **Y**-0 **N**; Motion passed

V-(ii) Comments Created by Handling Negative
None

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* ¶ 9.7.1.2)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations* ¶ 9.7.1.3)

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

		Accepts		(Accepts + Valid Rejects)				
Approval Rate	=	27	/	27	=	100.0%		≥90%

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

Note: See *Regulations* § 9.7.2 for further information.

[X] **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	X	**This is not a Safety Document**, when all safety-related information is removed, the Document is still technically sound and complete. (*Regulations* ¶ 8.7.1)
		This is a Safety Document, when all safety-related information is removed, the Document is not technically sound and complete. (*Regulations* ¶ 8.7.2)
		Safety Checklist (*Regulations* ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (*Regulations* ¶ 15.1.2)
Motion by/2nd by		Koh Murai (MegaFluids Systems) / Don Hadder (Intel)
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. This IP check applies to the entire Standard or Safety Guideline. See *Regulations* § 16 for further information.

X	The TC Chapter meeting chair asked those participating, if they were aware of any potentially material patented technology or copyrighted items* in the Standard or Guideline. (*Regulations* ¶ 8.8.1)		
	X	No potentially material patented technology or reproduction of copyrighted items is known.	**GO TO SECTION X.**

*** Note: Such potentially material patented technology or copyrighted items might have become known since the Standard or Safety Guideline was last reviewed, or might become relevant due to this Letter Ballot.**

X. Action for This Document

Motion		This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
	X	This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
		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.
		This Document failed TC Chapter review and will be returned to the TF for rework.
		This Document failed TC Chapter review and work will be discontinued.
Motion by/ 2nd by		Koh Murai (MegaFluids Systems) / Don Hadder (Intel)
Discussion		None

Vote	14 Y-0 N	
Final Action	X	Motion passed
		Motion failed

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

A&R		Approved for publication
		Approved pending acceptance of the Ratification Ballot
		Not approved
	Reason:	