

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 \(INTEL\)](#), [Frank Flowers \(Peroxy Chemicals\)](#)

Standards Staff: [Inna Skvortsova](#)

	Scheduled in Background Statement	Actual
Date	Tuesday, November 7, 2017	Tuesday, November 7, 2017
Location	SEMI HQ	SEMI HQ
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
5978	Revision to SEMI E49.5-1104 GUIDE FOR ULTRAHIGH PURITY SOLVENT DISTRIBUTION SYSTEMS IN SEMICONDUCTOR MANUFACTURING EQUIPMENT with title change to: GUIDE FOR THE DESIGN OF ULTRAHIGH PURITY SOLVENT DISTRIBUTION SYSTEMS WITH NON-METALLIC FLUID PATHS IN SEMICONDUCTOR MANUFACTURING EQUIPMENT

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 (with example values):

Voting Interest:	Returned Votes	Distribution	Return Rate	
Letter Ballot	53	÷ 86	= 61.6%	≥60%
Intercommittee Ballot	21			
Voting Interest Reject(s)	0	Total Voters with Rejects		0
Voting Interest Accept(s)	33			

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

III. Rejects - NONE

IV. Other Technical Issues- NONE

V. Comments- 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APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change.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	=	33	/ 33	=	100.0%	≥90%

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

Note: See Regulations § 9.7.2 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	X	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>)
		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>)
		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 nd by		Don Hadder (Intel) / Steven Rogers (KMG Electronic Chemicals)
Discussion		NONE
Vote		7 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. (<i>Regulations ¶ 8.8.1</i>)	
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	X	This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
		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/2 nd by		David Kandiyeli (MegaFluid Systems) / Chuck Dale (GE)
Discussion		NONE

Vote	7 Y-0 N	
Final Action	<input checked="" type="checkbox"/>	Motion passed
	<input type="checkbox"/>	Motion failed

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

A&R	<input type="checkbox"/>	Approved for publication
	<input type="checkbox"/>	Approved pending acceptance of the Ratification Ballot
	<input type="checkbox"/>	Not approved
	Reason:	