

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **North America**

Global Technical Committee: **Gases**

TC Chapter Cochairs: **Mohamed Saleem/Fujikin**

Standards Staff: **Laura Nguyen**

	Scheduled in Background Statement	Actual
Date	07/12/2016	07/12/2016
Location	San Francisco Marriott Marquis	San Francisco Marriott Marquis
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 3440C	Document Title New Standard: Test Method for Pressure Transducers in Gas Delivery Systems
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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 ¶ 9.7.1.1)

Voting Tally (with example values):

Voting Interest:	Returned Votes		Distribution		Return Rate	
Letter Ballot	36	÷	57	=	63.2%	≥60%
Intercommittee Ballot	16					
Voting Interest Reject(s)	1		Total Voters with Rejects			1
Voting Interest Accept(s)	23					

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: TEL)

Voter Reject 1 (Voter: Supika Mashiro/TEL)

Negative 1

Negative	Referenced Section/ Paragraph	Section 7.1 & Section 12.1				
	Negative Text	<p>Negative Those sections technically contradict each other.</p> <p>Justification</p> <ul style="list-style-type: none"> Specified test gas (N2) is not suitable to perform test method specified in 12.1. If N2 is to be used for the leakage test, leak rate should be expressed in rate of N2, not He. SEMI F1 is not suitable to refer as F1 use He as test gas. 				
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	<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			
Persuasive	<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/ 2 nd by	Jeff Christian (WIKS) / Thomas Fritz (WIK A)				
	Discussion	None.				
	Result of Vote (check one)	12 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		<input type="checkbox"/>	N	GO TO "Final" subsection → (E)
<input 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				

Technical Change Recommendations					
Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.					
Address by Technical Change Option	Technical Changes	1	FROM: Section/Paragraph 12.1 12.1 <i>Leak Integrity</i> — This test measures the allowable leak rate from any of the wetted surface area, into the surrounding atmosphere, and is measured as a rate of helium in units of standard Pa·m ³ /s (atm·cc/s). The device shall be measured following each test for performance and endurance.		
			TO: Section/Paragraph 12.1 12.1 <i>Leak Integrity</i> — This test measures the allowable leak rate from any of the wetted surface area, into the surrounding atmosphere, and is measured as a rate of helium in units of standard Pa·m³/s (atm·cc/s) <u>per SEMI F1</u> . The device shall be measured following each test for performance and endurance.		
			Justification (If necessary) The negative stated that Section 7.1 and Section 12.1 technically contradict with each other. With that begin said, the appearance of helium in Section 12.1 can be confusing to the reader when the test gas is defined in Section 7.1 as N2. In fact, they are not, because the test gas N2 should be used for all the tests except for the leak integrity test that Document 3440C is describing. Helium is only used in the leak integrity test in this Document. Leak integrity test is a just a pre-requested test before running the other tests defined in the Document 3440C, and using helium in the leak integrity test is a common sense in this industry. In order to avoid the potential confusion caused by the appearance of helium in section 12.1, we just deleted the details in section 12.1 and referred the details to SEMI F1.		
	Motion		Negative is addressed by the technical change(s).		
	Motion by/2nd by		Yanli Chen (UCT) / Jeff Christian (WIKA)		
	Discussion		None.		
	Result of Vote (check one)		14 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/2nd by		Yanli Chen (UCT) / Jeff Christian (WIKA)		
	Discussion		None.		
	Result of Vote (check one)		14 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)	

		(D)	Not significant (counted under j in disposition)	
		(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
	X	(F)	Addressed by technical change (counted under k disposition)	
(check if applicable)		Comment generated. See Section V-(ii) Comment # X.		

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

1	Original number (#) of Negatives	(g)	
	Number of Negatives withdrawn	(h)	
	Number of Negatives found not related	(i)	
	Number of Negatives found not significant	(j)	
1	Number of Negatives addressed by technical change (Negative becomes not significant)	(k)	
Final	X	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check
		$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
		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 ¶ 9.6.4.4.2)

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	=	23	/	23	=	100.0%		≥90%	

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

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

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Globally Approved (No Ratification Ballot needed):

The Letter Ballot meets the Letter Ballot approval conditions for the global technical committee.

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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/2 nd by		Thomas Fritz (WKA) / Jeff Christian (WKA)
Discussion		None.
Vote		13 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.

<input checked="" type="checkbox"/>	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>)	
<input checked="" type="checkbox"/>	No potentially material patented technology or reproduction of copyrighted items is known.	GO TO SECTION X.

		Potentially material patented technology or reproduction of copyrighted items is known, but a Letter of Assurance (LOA) or copyright release letter for such items has been obtained or presented to the TC Chapter.	GO TO SECTION X.
		Potentially material patented technology or reproduction of copyrighted items is known and use of such materials is technically justified by the TC Chapter, but an LOA or copyright release letter for some of the item(s) has NOT been obtained or presented to the TC Chapter.	
Motion		Ask ISC for special permission to publish.	
		Quit activity.	
		Wait for LOA for patented technology or release of copyrighted items.	
	Motion by/2 nd by	Name (Company)/Name (Company)	
	Discussion	XXXX	
	Vote	XX Y-XX N	
Final Action		Motion passed	
		Motion failed	

* 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.
		This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
	X	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	Yanli Chen (UCT) / Jeff Christian (WIKA)
	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: