Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: North America
Global Technical Committee: Gases
TC Chapter Cochairs: Mohamed Saleem/Brooks Instrument
Standards Staff: Laura Nguyen

	Scheduled in Background Statement	Actual
Date	12/07/2021	12/07/2021
Location	SEMICON West, SF, CA/USA	SEMICON West, SF, 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
6582A	New Standard: Test Method for the Electrochemical Critical Pitting Voltage Testing of Stainless Steel Used in Corrosive

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	39	÷	62	=	62.9%	≥60%
Intercommittee Ballot	35					
Voting Interest Reject(s)	2		Total Voters with Rejects			2
Voting Interest Accept(s)	28					

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: KKR)

Voter Reject 1 (Voter: Mitsuhiro Matsuda/Kokusai Electric Corp)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.					
		Section: A1-1.2					
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.					
		Text: What is 'Hanks Solution'? There is no definition and/or reference.					
TF input (optional)							
Withdrawal (check one)		X	No Negative withdrawal made by Voter.				GO TO "Related" subsection
			Withdrawal document received by Standards staff on MM/DD/YYYY.				GO TO "Final" subsection → (A)
Related	Motion and Reason (check one)	X	'Related' is mutually agreed upon. (Needs no motion.)				GO TO "Persuasive" subsection
			Negative is not related. (Needs ≥2/3 votes to pass.)				
			Reason	XXXX			
Persuasive	Motion and Reason (check one)	X	Negative is related and persuasive. (Needs >1/3 votes to pass.)				
			Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)				
			Reason	XXXX			
	Motion by/ 2nd by	By: Supika Mashiro / Tokyo Electron Ltd. Second: Gregory Arslanian / Air Products					
	Discussion	None					
	Result of Vote (check one)	9 Y-0 N; Motion passed.					
		X	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	X	Y	GO TO "Address by Technical Change Option" subsection
			[Negative is related and not persuasive.] < 2/3			N	GO TO "Final" subsection → (E)
			2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)			
			90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection			
Address by Technical	Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.						
	Technical Changes 1	FROM: Section/Paragraph A1-1.2 A1-1.2 A variation of this Test Method (ASTM F2129) has been widely used in the medical industry to test small surgical implants. In this case, Hanks Solution is used at a test temperature of 37°C.					

			TO: Section/Paragraph A1-1.2 ~~A1-1.2 A variation of this Test Method (ASTM F2129) has been widely used in the medical industry to test small surgical implants. In this case, Hanks Solution is used at a test temperature of 37°C.~~		
			Justification (If necessary) This paragraph is not relevant to the semi industry.		
	Motion		Negative is addressed by the technical change(s).		
	Motion by/2nd by		By: Supika Mashiro / Tokyo Electron Ltd. Second: Gregory Arslanian / Air Products		
	Discussion		None		
	Result of Vote (check one)		12 **Y**-0 **N**; Motion passed/.		
		X	2/3 ≤ [Negative is addressed by the technical change(s).]	**GO TO "Incorporation of the Technical Change" subsection**	
			[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	By: Supika Mashiro / Tokyo Electron Ltd. Second: Gregory Arslanian / Air Products		
		Discussion	None		
		Result of Vote (check one)	15 **Y**-0 **N**; Motion passed		
			X 90% ≤ [Agree to incorporate.]	**GO TO "Final" subsection → (F)**	
			[Disagree to incorporate.]>10%	**GO TO "Final" subsection → (E)**	
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)**	
			(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.***		

This table is needed for each Negative.

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

1	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)**
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**

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)

Voting Interest Reject 2 (Voting Interest Name: **Bilfinger**)

Voter Reject 1 (Voter: **Alexander Haas/Bilfinger**)

Negative 1

Negative	**Referenced Section/ Paragraph**	***TF/TC Chapter to fill in, including text in the ballot if necessary.**	
	Negative Text	***Original complete Negative text (e.g., issue, justification, suggestion) should be copied.**	
		A while back the author of this specification copied and pasted the ASTM G61 Spec. I rejected this at the time and requested that this rewritten. This specification is again a regurgitation of what already exists on the market. In refenced standard, the Autor highlights, ASTM G3, ASTM G15, ASTM G61 – All known standards that manufactures today used and comply with when fabricating parts / complying to F42 standards. At the time of a raw material (Stainless Steel/ Nickel) order – or of a product – the raw material grades are ordered and agreed upon. Its objective to make a determination that the testing of AOD/VAR or VIM/VAR grades of 316L impact Electrochemical pitting when the Author in Paragraph 3 – highlighted that - “As alloy composition and surface parameters can affect the results of the test” - YES… Impact the surface parameter and result and also the variables being tested!! The determination data by the Author to “discriminate” AOD/VAR and VIM/VAR when in fact this test can be affected by the alloy composition. This test is also a compliment to F77 Can the author’s name me two other testing facilities that can provide these testing conditions? I question the motivation being this spec	
TF input (optional)			
Withdrawal (check one)		No Negative withdrawal made by Voter.	**GO TO “Related” subsection**
	X	Withdrawal document received by Standards staff on 12/07/2021.	**GO TO “Final” subsection → (A)**

Final	(check if applicable)	X	(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)	
			(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.*		

This table is needed for each Negative.

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

1	Original number (#) of Negatives			(g)
1	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	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	

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
None

V-(ii) Comments Created by Handling Negative
None

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

II. 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	=	28	/	28	=	100.0%		≥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.
X	**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		By: Thomas Fritz / WIKA Instrument Corporation Second: Yanli Chen / Applied Materials, Inc.
Discussion		Bill K: Asks the author if this is not a safety doc? Mike B: It is not.
Vote		16 **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.

X	The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see *Regulations* ¶ 16.3.1.1) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see *Regulations* ¶ 16.4.1.2) in the Standard or Safety Guideline. (Also see, *Regulations* § 8.8)					
		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	The question is answered in affirmative	Is any of the known IPs a patented technology?		**Yes, at least one of them is a patented technology**	**GO TO IX (a) "Patented Technology" subsection**
				X	**No**	**GO TO IX (b) "Copyright items" subsection**

IX(b1) Total numbers of copyrighted items to be dealt with

1 Fill number	**(o)** Known copyrighted items that are used or reproduced to the Standard/Safety Guideline	X	**o > 0** There is at least one known copy righted items that might be relevant to the Standard/Safety Guideline	**GO TO IX (b2)**
			o = 0 There is no disclosed copyrighted item	**GO TO IX (c)**

IX(b2) Assessment of disclosed copyrighted items

Disclosed copyrighted item #1
(***Brief description of its use in the Document***):
Portion of the test procedure is identical to the ASTM G61.

Is disclosed copyrighted item #1 used or reproduced in the Standard/Safety Guideline?	X	YES	Is the use/reproduction of this copyrighted item technically justified?	X	YES	**PROCEED to assess NEXT one, or if this is the last one, GO TO IX(b3)**
					NO	**The Document is failed and returned to the TF**
		NO	No further action is needed for copyrighted item #1			

This table is needed for each disclosed copyrighted item.

IX(b3) Copyright release status check of copyrighted item of which inclusion assessed to be justified

Copyright release Status of copyrighted item #1						
Has the copyright release been received from its owner ?.		YES	**PROCEED to assess NEXT one, or if this is the last one, GO TO IX(c)**			
	X	NO	OTION		Ask ISC for special permission to publish.	
					Quit activity.	**The Document is failed and returned to the TF**
				X	Wait for copyright release letter	**PROCEED to check NEXT one, or if this is the last one, GO TO IX(c)**
			Motion by/ 2nd by			By: Alexander Haas / Bilfinger Second: Gregory Arslanian / Air Products
			Discussion			None
			Vote			12 **Y**-0 **N**; Motion passed.

This table is needed for each copyrighted item of which use/reproduction assessed to be justified.

IX(c) Assessment of disclosed (identified) trademark

Is there any trademark in the Standard/Safety Guideline?		YES	Is every instance of trademark use technically justified?		YES	**GO TO** IX(d)
					NO	**The Document is failed and returned to the TF**
	X	NO	**GO TO IX(d)**			

IX(d) IP check completion condition check

The co-chair checks if any Patented Technologies first become known to the TC Chapter on or after the day of the issuance of this Letter Ballot? i.e., m>0 in IX(a1)		YES	**Sections IX(a2) and IX(a3) shall be completed and recorded for such patented technologies at next scheduled meeting of the TC Chapter. Until then, the TC Chapter shall NOT go to X** (making motion to pass/fail this Document) **(see *Regulations* ¶ 16.4.1.2)** **Until then this Letter Ballot Review is on hold.**
	X	NO	**GO TO X**

X. Action for This Document

	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.
Motion by/ 2nd by		By: Max van den Berg / Festo SE & Co. KG Second: Gregory Arslanian / Air Products
Discussion		None
Vote		13 **Y**-0 **N**
Final Action	**X**	Motion passed
		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.