

Record of Line-item Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **North America**
 Global Technical Committee: **Information & Control**
 TC Chapter Cochairs: **Brian Rubow/Cimetrix, Jack Ghiselli/Ghiselli Consulting, James Moyne/AMAT/University of Michigan**
 Standards Staff: **Michelle Sun**

	Scheduled in Background Statement	Actual
Date	TBD	4/1/2021
Location	TBD	OVTCCM
Reason for Change of Date and/or Location (if changed)	COVID-19	

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

Document Information

I. Document Number, Title, Lists of Line Items

Document Number 6552B	Document Title Line Item Revision to SEMI E5-0219: Specification For SEMI Equipment Communications Standard 2 Message Content (SECS-II)
☐ ☐ Line Item 1	Line Item Title Logical Naming Conventions

Line Item 1 Adjudication

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 Votes	Distribution	Return Rate	
Letter Ballot	94	÷ 156	= 60.3%	≥60%
Intercommittee Ballot	0			
Voting Interest Reject(s)	3	Total Voters with Rejects		3
Voting Interest Accept(s)	25			

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: Yokogawa)

Voter Reject 1 (Voter: Nakagawa, Takashi / Yokogawa)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. Table 1		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. VNAME is described as 'This is not used in any message' in Table 1. If so, it should not be defined. It should be defined if it is used in the message.		
	TF input (optional)	VNAME can be defined without using it in a message. It is referenced by the definitions proposed in the ballot. Alternatives Proposal to move definition out of the table, into the section where it is mentioned, as an Editorial Change. 2 in favor Possibly ratification ballot to be safe. 3 in favor Possibly ratification ballot to change the table definition to allow this. 2 in favor		
	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/ 2 nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	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)
	Motion and Reason	<input checked="" type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)	

Persuasive	(check one)	<input type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)										
		<input type="checkbox"/>	Reason	XXXX									
	Motion by/ 2 nd by	By: Brian Rubow / Cimatrix Incorporated Second: James Moyne / University of Michigan											
	Discussion	None											
	Result of Vote (check one)	11 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	GO TO "Address by Technical Change Option" subsection							
<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							
Address by Technical Change Option	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 Section 9.6 / Table 3 <ul style="list-style-type: none"> From Table 3 Data Item Dictionary in section 9.6 <table border="1"> <tr> <td>VNAME</td> <td>20</td> <td>The name of a Data Variable, Status Variable or Equipment Constant. This is not used in any message.</td> <td></td> <td></td> <td></td> </tr> </table>					VNAME	20	The name of a Data Variable, Status Variable or Equipment Constant. This is not used in any message.			
		VNAME	20	The name of a Data Variable, Status Variable or Equipment Constant. This is not used in any message.									
1	TO: Section/Paragraph Section 9.6 / Table 3 <ul style="list-style-type: none"> To Table 3 Data Item Dictionary in section 9.6 <table border="1"> <tr> <td><u>VNAME</u></td> <td><u>20</u></td> <td><u>The name of a Data Variable, Status Variable or Equipment Constant. This is not used in any message.</u></td> <td></td> <td></td> <td></td> </tr> </table> <p>Justification (if necessary) VNAME is not in any SECS-II messages; therefore this definition is relocated (see next technical change).</p>					<u>VNAME</u>	<u>20</u>	<u>The name of a Data Variable, Status Variable or Equipment Constant. This is not used in any message.</u>					
<u>VNAME</u>	<u>20</u>	<u>The name of a Data Variable, Status Variable or Equipment Constant. This is not used in any message.</u>											
2	FROM: Section/Paragraph Section 9.7 <ul style="list-style-type: none"> From Section 9.7 <ul style="list-style-type: none"> For reference and convenience, each of the variable classes have acronyms to identify attributes of the variable which are described below in Table 6. Additionally, there are general acronyms applicable to any variable class also listed in the table below as variable class "Any". Note that DVVALNAME is use for the name of a data variable to avoid confusion because DVNAME was previously associated with the ID of a data variable. 												

		TO: Section/Paragraph Section 9.7 <ul style="list-style-type: none"> For reference and convenience, each of the variable classes have acronyms to identify attributes of the variable which are described below in Table 6. Additionally, there are general acronyms applicable to any variable class also listed in the table below as variable class "Any". Note that DVVALNAME is use for the name of a data variable to avoid confusion because DVNAME was previously associated with the ID of a data variable. <u>VNAME is the name of a Data Variable, Status Variable or Equipment Constant.</u> 		
		Justification (if necessary) See picture.		
Motion		Negative is addressed by the technical change(s).		
Motion by/2nd by		By: Brian Rubow / Cimatrix Incorporated Second: Chris Maloney / Intel Corporation		
Discussion				
Result of Vote (check one)		9 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		By: Brian Rubow / Cimatrix Incorporated Second: Albert Fuchigami / PEER Group Inc.	
	Discussion			
	Result of Vote (check one)		11 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)	
Not Significant Finding Option	This option can be used only "if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action". (Regulations ¶ 9.6.1.4.5.2)			
	Use of "Not significant finding option" (check one)	<input type="checkbox"/>	It is mutually agreed upon to term the Negative "not significant". GO TO "Final" subsection → (D)	
		<input type="checkbox"/>	It is mutually agreed upon to term the Negative "significant". GO TO "Final" subsection → (C)	
			<input type="checkbox"/> Whether or not the Negative is "not significant" is decided by a vote.	
	Motion		The Negative is "not significant".	
	Motion by/ 2nd by		Name (Company)/Name (Company)	
Vote		<input type="checkbox"/>	XX Y-XX N; Motion passed with simple majority GO TO "Final" subsection → (D)	
		<input type="checkbox"/>	XX Y-XX N; Motion failed with simple majority GO TO "Final" subsection → (C)	
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)	
		<input type="checkbox"/>	(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)	
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

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: ZAMA Consulting) Voter Reject 1 (Voter: Sakamoto, Mitsune / ZAMA Consulting)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
		1.1.8 Proposal		
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. 12.1 The following list of items from E5 are subject to deprecation. This means that they shall be removed from the specification in a future version. NEGATIVE: Removing DVNAME exposes the costs of updating equipment manuals. DVNAMEs appears on manuals for thousands of equipment already in use. If the Standard does not officially support it, that DVNAMEs will not comply. DVNAME should be left as it is.		
	TF input (optional)	This is a misunderstanding. DVNAME is not deprecated. It is subject to future deprecation. Consider effect to current equipment. Previous versions of standards can always be referenced. Ballots proposes to help new users, new readers to avoid the confusing data item.		
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)	* 'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection		
		Negative is not related. (Needs ≥2/3 votes to pass.)			
	Reason	XXXX			
	Motion by/ 2 nd by	Name (Company)/Name (Company)			
	Discussion				
Persuasive	Motion and Reason (check one)	Negative is related and persuasive. (Needs >1/3 votes to pass.)			
		x Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
	Reason	There was a misunderstanding regarding the definition of deprecation.			
	Motion by/ 2 nd by	By: Brian Rubow / Cimetrix Incorporated Second: Mitsune Sakamoto / ZAMA Consulting			
Address by Technical Change Option	Discussion	None			
	Result of Vote (check one)	6 Y-3 N; Motion passed.			
		[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		N	GO TO "Final" subsection → (E)
		x 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				
Technical Changes	Technical Change Recommendations				
	Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.				
	1	FROM: Section/Paragraph			
		TO: Section/Paragraph			
2	Justification (if necessary)				
	FROM: Section/Paragraph				

		TO: Section/Paragraph		
		Justification (if necessary)		
	Motion	Negative is addressed by the technical change(s).		
	Motion by/2 nd by			
	Discussion			
	Result of Vote (check one)	<input 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/2 nd by			
	Discussion			
	Result of Vote (check one)	<input type="checkbox"/> 90% ≤ [Agree to incorporate.]	GO TO “Final” subsection → (F)	
<input type="checkbox"/> [Disagree to incorporate.] > 10%		GO TO “Final” subsection → (E)		
Not Significant Finding Option	This option can be used only “if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action”. (Regulations ¶ 9.6.1.4.5.2)			
	Use of “Not significant finding option” (check one)	<input type="checkbox"/> It is mutually agreed upon to term the Negative “not significant”.	GO TO “Final” subsection → (D)	
		<input type="checkbox"/> It is mutually agreed upon to term the Negative “significant”.	GO TO “Final” subsection → (C)	
		<input type="checkbox"/> Whether or not the Negative is “not significant” is decided by a vote.		
	Motion	The Negative is “not significant”.		
	Motion by/ 2 nd by	Name (Company)/Name (Company)		
Vote	<input type="checkbox"/>	XX Y-XX N; Motion passed with simple majority	GO TO “Final” subsection → (D)	
	<input type="checkbox"/>	XX Y-XX N; Motion failed with simple majority	GO TO “Final” subsection → (C)	
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 checked="" type="checkbox"/> (C)	Related and not persuasive (significant)	
		<input type="checkbox"/> (D)	Not significant (counted under j in disposition)	
		<input type="checkbox"/> (E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
	<input type="checkbox"/> (F)	Addressed by technical change (counted under k disposition)		
(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.		

Disposition of Voting Interest Reject 2

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)	
0	Number of Negatives addressed by technical change (Negative becomes not significant)	(k)	
Final	<input type="checkbox"/>	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. <i>Approval Conditions Check</i>
	<input checked="" type="checkbox"/>	$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. <i>Approval Conditions Check</i>
	<input type="checkbox"/>	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 ¶ 9.6.1.4.5.2)

Voting Interest Reject 3 (Voting Interest Name: KOKUSAI ELECTRIC) Voter Reject 1 (Voter: Mitsuhiro Matsuda / KOKUSAI ELECTRIC)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 1.1.2 Proposal	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Table 1 Data Item Dictionary does not exist in E5-0219. Table 3 Data Item Dictionary exist in E5-0219.	
TF input (optional)		This is a minor editorial mistake in the ballot introduced by Microsoft Word. The ballot intention is clear. No technical flaw is introduced that would confuse any voters.	
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/ 2 nd by	Name (Company)/Name (Company)	
	Discussion		
		XX Y-XX N; Motion passed/failed.	

	Result of Vote (check one)	<input type="checkbox"/>	[Negative is not related.] < 2/3	GO TO “Persuasive” subsection	
	Result of Vote (check one)	<input type="checkbox"/>	2/3 ≤ [Negative is not related.]	GO TO “Final” subsection → (B)	
Persuasive	Motion and Reason (check one)	<input type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)		
			Reason	Typo; will be corrected before publication.	
	Motion by/ 2nd by	By: Brian Rubow / Cimatrix Incorporated Second: Frank Summers / Industrial Strength Graphics			
	Discussion				
	Result of Vote (check one)	11 Y-0 N; Motion passed.			
		<input type="checkbox"/>	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input type="checkbox"/> Y GO TO “Address by Technical Change Option” subsection
<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 checked="" type="checkbox"/>		90% ≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection		
Address by Technical Change Option	Technical Change Recommendations				
	Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.				
	1	FROM: Section/Paragraph XXX			
		TO: Section/Paragraph xxx			
		Justification (if necessary)			
	2	FROM: Section/Paragraph XXX			
		TO: Section/Paragraph xxx			
		Justification (if necessary)			
	Motion		Negative is addressed by the technical change(s).		
	Motion by/2nd by		Name (Company)/Name (Company)		
Discussion					
Result of Vote (check one)	XX Y-XX N; Motion passed/failed.				
	<input type="checkbox"/>	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/2 nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.		
		90% ≤ [Agree to incorporate.]	GO TO “Final” subsection → (F)	
		[Disagree to incorporate.]>10%	GO TO “Final” subsection → (E)	
Not Significant Finding Option	This option can be used only “if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action”. (Regulations ¶ 9.6.1.4.5.2)			
	Use of “Not significant finding option” (check one)	x	It is mutually agreed upon to term the Negative “not significant”. GO TO “Final” subsection → (D)	
			It is mutually agreed upon to term the Negative “significant”. GO TO “Final” subsection → (C)	
			Whether or not the Negative is “not significant” is decided by a vote.	
	Motion	The Negative is “not significant”.		
	Motion by/ 2 nd by	Name (Company)/Name (Company)		
	Vote		XX Y-XX N; Motion passed with simple majority	GO TO “Final” subsection → (D)
		XX Y-XX N; Motion failed with simple majority	GO TO “Final” subsection → (C)	
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)	
		x	(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.		

Negative 2

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. VNAME raw at Table 1 Data Item Dictionary	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. This raw does not have value at “Where Used” column and VNAME is not used in any SECS-II messages. ¶9.6 defines this table future. “Where Used” is mandatory required. So this raw shall be deleted and VNAME may define other place if needed.	
TF input (optional)	VNAME can be defined without using it in a message. It is referenced by the definitions proposed in the ballot.		
Withdrawal (check one)		No Negative withdrawal made by Voter.	GO TO “Related” subsection

		X	Withdrawal document received by Standards staff on 4/1/2021.			GO TO "Final" subsection → (A)	
Related	Motion and Reason (check one)		'Related' is mutually agreed upon. (Needs no motion.)			GO TO "Persuasive" subsection	
			Negative is not related. (Needs ≥2/3 votes to pass.)				
		Reason	XXXX				
	Motion by/ 2 nd by	Name (Company)/Name (Company)					
	Discussion						
Result of Vote (check one)	XX Y-XX N; Motion passed/failed.						
		[Negative is not related.] < 2/3					GO TO "Persuasive" subsection
		2/3 ≤ [Negative is not related.]					GO TO "Final" subsection → (B)
Persuasive	Motion and Reason (check one)		Negative is related and persuasive. (Needs >1/3 votes to pass.)				
			Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)				
		Reason	Typo; will be corrected before publication.				
	Motion by/ 2 nd by						
	Discussion						
	Result of Vote (check one)		[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			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 Change Option	Technical Change Recommendations						
	Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.						
	1	FROM: Section/Paragraph XXX					
		TO: Section/Paragraph xxx					
Justification (if necessary)							
2	FROM: Section/Paragraph XXX						

		TO: Section/Paragraph xxx	
		Justification (if necessary)	
	Motion	Negative is addressed by the technical change(s).	
	Motion by/2 nd by	Name (Company)/Name (Company)	
	Discussion		
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.	
		<input 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/2 nd by	Name (Company)/Name (Company)	
	Discussion		
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.	
<input 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 checked="" 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)
		<input type="checkbox"/>	(D) Not significant (counted under j in disposition)
		<input type="checkbox"/>	(E) Related and persuasive and not addressed by technical change DOCUMENT FAILS
		<input type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.

Negative 3

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 12.1
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Deprecation of DVNAME is acceptable. However removing DVNAME need another consensus. ¶12.1 shall be “The following list of items from E5 are subject to deprecation. Items are listed to encourage implementers to discontinue use of deprecated items.” This is same as proposal at 6552A and had consensus at NA GEM300 TF.
	TF input (optional)	No technical objection is included. During ballot review, some task force member requested further clarification. The actual text in the ballot is more clear. The following list of items from E5 are subject to deprecation. This means that they shall be removed from the specification in a future version. Items are listed to encourage implementers to discontinue use of deprecated items.

	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)	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	A Ratification Ballot shall be issued to validate technical changes.		
	Motion by/ 2nd by	By: Brian Rubow / Cimatrix Incorporated Second: James Moyne / University of Michigan			
	Discussion				
	Result of Vote (check one)	9 Y-0 N; Motion passed.			
<input type="checkbox"/>		[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	<input checked="" type="checkbox"/>	Y GO TO "Address by Technical Change Option" subsection
<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			
Address by	Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.				

Technical Changes

FROM: Section/Paragraph [Table 2, Data Item Dictionary](#)

- From

DVID (or DVNAME)	3(), 20, 5()	Data Variable value name- identifier . Recommend using DVID . Note that DVNAME is subject to deprecation .	S1F21, F22, F24; S6F3, F8
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1

TO: Section/Paragraph [Table 2, Data Item Dictionary](#)

- To

DVID (or DVNAME)	3(), 20, 5()	Data Variable value name- identifier . Recommend using DVID .	S1F21, F22, F24; S6F3, F8
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Justification (If necessary)

FROM: Section/Paragraph [Section 12 / Proposal 1.1.8](#)

Item	Version Listed	Version Deprecate d	Explanation
DVNAME	<MMYY>		DVNAME has been used historically to refer to a Data Variable. However, the name of a Data Variable is designated by DVID to eliminate confusion from the "NAME" in DVNAME. DVID is introduced.

2

TO: Section/Paragraph [Section 12 / Proposal 1.1.8](#)

~~[Deleted]~~

Item	Version Listed	Version Deprecate d	Explanation
DVNAME	<MMYY>	-	DVNAME has been used historically to refer to a Data Variable. However, the name of a Data Variable is designated by DVID to eliminate confusion from the "NAME" in DVNAME. DVID is introduced.

Justification (If necessary)

Motion

Negative is addressed by the technical change(s).

Motion by/2nd by

By: Brian Rubow / Cimatrix Incorporated
Second: Takayuki Nishimura / SCREEN Semiconductor Solution Co., Ltd.

Discussion

Result of Vote (check one)		10 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	By: Brian Rubow / Cimatrix Incorporated Second: Takayuki Nishimura / SCREEN Semiconductor Solution Co., Ltd.		
	Discussion			
	Result of Vote (check one)		12 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)	
Not Significant Finding Option	This option can be used only “if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action”. (Regulations ¶ 9.6.1.4.5.2)			
	Use of “Not significant finding option” (check one)	<input type="checkbox"/>	It is mutually agreed upon to term the Negative “not significant”. GO TO “Final” subsection → (D)	
		<input type="checkbox"/>	It is mutually agreed upon to term the Negative “significant”. GO TO “Final” subsection → (C)	
		<input type="checkbox"/>	Whether or not the Negative is “not significant” is decided by a vote.	
	Motion	The Negative is “not significant”.		
	Motion by/ 2nd by	Name (Company)/Name (Company)		
	Vote	<input type="checkbox"/>	XX Y-XX N; Motion passed with simple majority	GO TO “Final” subsection → (D)
<input type="checkbox"/>		XX Y-XX N; Motion failed with simple majority	GO TO “Final” subsection → (C)	
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)	
		<input type="checkbox"/>	(D) Not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E) Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		<input checked="" type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)	
(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.		

Disposition of Voting Interest Reject 3

Check only when the Document has not been failed.

3	Original number (#) of Negatives	(g)
1	Number of Negatives withdrawn	(h)
0	Number of Negatives found not related	(i)

1	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. <i>Approval Conditions Check</i>
		$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. <i>Approval Conditions Check</i>
		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 ¶ 9.6.1.4.5.2*)

IV. Other Technical Issues

None.

V. Comments

V- (i) Voters' Comments

Commenter 1 (**Mitsuhiro Matsuda (KOKUSAI ELECTRIC)**) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	Referenced Section/ Paragraph: The latest version of E5 is E5-0220. It is better to revise E5-0220. Discussion True. When ballot 6552 was created, E5-0220 was not yet published.	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #
	<input checked="" type="checkbox"/>	No further action was taken by the TC Chapter.
	<input type="checkbox"/>	Refer to the TF for more consideration.
	<input type="checkbox"/>	New Business
<input type="checkbox"/>	Editorial Change	
Options for editorial change (check one)	<input type="checkbox"/>	Case 1: No vote in this section: <i>To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.</i>
	<input type="checkbox"/>	Case 2: Voted in this section: <i>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</i>
	<input type="checkbox"/>	
	<input type="checkbox"/>	
Editorial Changes	1	FROM: Section/Paragraph xxx
		TO: Section/Paragraph xxx
		Justification (If necessary)
	2	FROM: Section/Paragraph xxx
		TO: Section/Paragraph xxx
		Justification (If necessary)
Motion	To approve above editorial change(s)	
Motion by/2 nd by	Name (Company)/Name (Company)	
Discussion	XXXX	

Vote	XX Y-XX N; Motion passed/failed.
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This table is needed for each Comment accompanied a Vote

Commenter 1 (Mitsuhiro Matsuda (KOKUSAI ELECTRIC)) - Comment 2

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	Referenced Section/ Paragraph: 1.1.8 Proposal Table needs Table number.	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #
	<input checked="" type="checkbox"/>	No further action was taken by the TC Chapter.
	<input type="checkbox"/>	Refer to the TF for more consideration.
	<input type="checkbox"/>	New Business
<input type="checkbox"/>	Editorial Change	

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 ¶ 9.6.2.1.2)

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	=	61	/	62	=	98.4%		≥90%	

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

Note: See Regulations § 9.6.2 for further information.

Globally Approved (No Ratification Ballot needed):

Line Item 1 meets the Letter Ballot approval conditions for the global technical committee.

Need a Ratification Ballot:

Line Item 1 meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

Checks for Entire Document Including All Approved Line Items

VIII. Safety Check

Note: This Safety check applies to the entire Standard or Safety Guideline including all the approved Line Items. See § 15 of the *Regulations* 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</i> ¶ 8.7.1)
		This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations</i> ¶ 8.7.2)
		Safety Checklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (<i>Regulations</i> ¶ 15.1.2)
Motion by/2nd by		By: Brian Rubow / Cimatrix Incorporated Second: Albert Fuchigami / PEER Group Inc.
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. Regardless of the coverage, this IP check applies to the entire Standard or Safety Guideline including all the approved Line Items*. 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 <i>Regulations</i> ¶ 16.3.1.1) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations</i> ¶ 16.4.1.2) in the Standard or Safety Guideline. (Also see, <i>Regulations</i> § 8.8)			
x	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.		
	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
			No	GO TO IX (b) "Copyright items" subsection

IX(a) Patented Technologies subsection

IX(a1) Total numbers of Patented Technologies to be dealt with

# Fill number	(l) Known Patented Technology that might be relevant to	# Fill number	(m) Number of patented technologies first became known to the TC Chapter on or after the day of the issuance of this Letter Ballot	Postpone assessment of such patented technologies to be performed at the next scheduled TC Chapter meeting.
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	the Standard/Safety Guideline	# Fill number	(n) Number of patented technologies first became known to the TC Chapter before the day of the issuance of this Letter Ballot	GO TO IX (a2)
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IX(a2) Assessment of disclosed patented technologies

Disclosed patented technology #1 (Brief description, e.g., patent title and number):		Date of Assessment (If different from the date of Letter Ballot adjudication) MM/DD/YYYY		
Is disclosed patented technology #1 found to be "might be material" to the Standard/Safety Guideline?	YES (It is a PMPT)	Is the use of this PMPT technically justified?	YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(a3)
			NO	The Document is failed and returned to the TF
	NO	No further action is needed for patented technology #1		

This table is needed for each disclosed patented technology.

IX(a3) LOA status check of PMPT of which inclusion assessed to be justified

LOA Status of PMPT #1				
Has an LOA for this patented technology been received from every owner ?	YES	PROCEED to check NEXT one, or if this is the last one, GO TO IX(b)		
	NO	MOTION	Ask ISC for special permission to publish.	
			Quit activity.	The Document is failed and returned to the TF
			Wait for LOA	PROCEED to check NEXT one, or if this is the last one, GO TO IX(b1)
		Motion by/ 2 nd by	Name (Company)/Name (Company)	
		Discussion	XXXX	
		Vote	XX Y-XX N; Motion passed (or failed)	

This table is needed for each PMPT of which inclusion assessed to be justified.

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

# Fill number	(o) Known copyrighted items that are used or reproduced to the Standard/Safety Guideline	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 <i>(Brief description of its use in the Document):</i>					
Is disclosed copyrighted item #1 used or reproduced in the Standard/Safety Guideline?		YES	Is the use/reproduction of this copyrighted item technically justified?	YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(b3)
		NO		NO	
		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)		
	MOTION	NO		Ask ISC for special permission to publish.	
				Quit activity.	The Document is failed and returned to the TF
				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	Name (Company)/Name (Company)		
		Discussion	XXXX		
		Vote	XX Y-XX N; Motion passed (or failed)		

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	
		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.
		NO	GO TO X

X. Action for This Document

Motion (Check all applicable items)	<input type="checkbox"/>	Line item(s) [X], [X] and [X] passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
	<input checked="" type="checkbox"/>	Line item(s) [1] 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 type="checkbox"/>	Line item(s) [X], [X] and [X] failed TC Chapter review and will be returned to the TF for rework.
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] failed TC Chapter review and work will be discontinued.
Motion by/ 2nd by	By: Brian Rubow / Cimetrix Incorporated Second: Albert Fuchigami / PEER Group Inc.	
Discussion	None	
Vote	12 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.