

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **North America**

Global Technical Committee: **Information and Control**

TC Chapter Cochairs: **Brian Rubow (Cimetrix) Jack Ghiselli (Ghiselli Consulting), James Moyne (Applied Materials, University of Michigan)**

Standards Staff: **Inna Skvortsova**

	Scheduled in Background Statement	Actual
Date	07/10/2019	07/10/2019
Location	Moscone, San Francisco CA	Moscone, San Francisco CA
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
6348B	Revision to SEMI E30-0418 SPECIFICATION FOR THE GENERIC MODEL FOR COMMUNICATIONS AND CONTROL OF MANUFACTURING EQUIPMENT (GEM)

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	86	÷ 143	= 60.1%	≥60%
Intercommittee Ballot	34			
Voting Interest Reject(s)	5	Total Voters with Rejects		6
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: AFF_SCREEN)

Voter Reject 1 (Voter: Nishimura, Takayuki, Screen)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
		5.1.3		
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.		
		5.1.3 'might be' is not appropriate term for Terminology		
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	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)	<input type="checkbox"/>	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 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	<ul style="list-style-type: none"> The word "might" is "used to express possibility" as described in an English language dictionary. The word accurately describes how a collection event has the possibility of being significant to a host. For this reason, a host can disable collection event notification using message S2,F37. 	
	Motion by/ 2 nd by	Chris Maloney (INTEL) / Brian Rubow (Cimetrix)		
Discussion	Voter's explanation: Because this text is not definition of the event, definition can be improved in the future ballot			
	20 Y-0 N; Motion passed.			

Result of Vote (check one)	<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/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)			
Not Significant	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)					
	<input checked="" type="checkbox"/>	It is mutually agreed upon to term the Negative "not significant".			GO TO "Final" subsection → (D)	

	Use of “Not significant finding option” (check one)	<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 type="checkbox"/>	(C)	Related and not persuasive (significant)
		<input checked="" type="checkbox"/>	(D)	Not significant (counted under j in disposition)
		<input type="checkbox"/>	(E)	Related and persuasive and not addressed by technical change
	<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.	

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)	
1	Number of Negatives found not significant	(j)	
0	Number of Negatives addressed by technical change (Negative becomes not significant)	(k)	
Final	<input checked="" type="checkbox"/>	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check
	<input type="checkbox"/>	$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
	<input type="checkbox"/>	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: AFF_Hitachi Ltd)
Voter Reject 1 (Voter: Yuko Toyoshima, Hitachi Ltd)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.				
	Negative Text	<p>5.2</p> <p>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</p> <p>5.2 Variable Definitions</p> <ul style="list-style-type: none"> - Variable(s) are not defined in E5. - Only class is defined in 9.4 of E5. - 'The definition of the variable in E30' should be described exactly in E30. 				
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	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				
	Motion by/ 2nd by	Chris Maloney (INTEL) / Brian Rubow (Cimetrix)				
	Discussion	– Propose change #1 in a ratification ballot				
Result of Vote (check one)	18 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"/>	<input type="checkbox"/>	GO TO "Address by Technical Change Option" subsection
	<input type="checkbox"/>	[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/>	<input type="checkbox"/>	GO TO "Final" subsection → (E)
<input type="checkbox"/>	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 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 Section 5 <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.2 Variable Definitions – See SEMI E5 for full definitions. – 5.3 data variable (DVVAL) — a variable where the value is only valid upon occurrence of one or more associated collection events. – 5.4 status variable (SV) — a variable where the value is always valid. – 5.5 equipment constant (ECV) — a variable where the value is always set by the host or operator. – 5.6 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.7 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 		
			TO: Section/Paragraph Section 5 <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.1.25 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.1.26 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 		
		Justification (If necessary) <ul style="list-style-type: none"> – Delete the controversial definitions – Move non-controversial definitions into section 5.1 Definitions section. 5.1.24 is unchanged; inserted alphabetically and renumbered. – The section is not necessary since, as one voter points out, the classes are defined in SEMI E5. – DVVAL is defined in E5, section 9.7. Usage of DVVAL is consistent with E5. 			
		Motion	Negative is addressed by the technical change(s).		
		Motion by/2 nd by	Chris Maloney (INTEL) / Brian Rubow (Cimterix)		
		Discussion	<i>Matsuda Mitsuhiro asked to follow ballot review template for correct verbiage of the motion. Motion repeated per this request.</i>		
		Result of Vote (check one)	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	Motion	To incorporate the technical change(s).	
	Motion by/2 nd by		Chris Maloney (INTEL) / Brian Rubow (Cimterix)		
	Discussion				
			16 Y-1 N; Motion passed		

	Result of Vote (check one)	<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/ 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 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
	<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 #		

This table is needed for each Negative.

Negative 2

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 5.2		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. 5.3 data variable (DVVAL) 5.4 status variable (SV) 5.5 equipment constant (ECV) The above are not definitions. - They describe only characteristic (such as the behavior).		
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	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.				
		[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)	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			
	Motion by/ 2 nd by	Chris Maloney (INTEL) / Brian Rubow (Cimetrix)				
	Discussion	– Propose change #1 in a ratification ballot				
	Result of Vote (check one)	18 Y-0 N; Motion passed.				
		X	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	X	Y
		[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.					
	Technical Changes 1	FROM: Section/Paragraph Section 5 <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.2 Variable Definitions See SEMI E5 for full definitions. – 5.3 data variable (DVVAL) — a variable where the value is only valid upon occurrence of one or more associated collection events. – 5.4 status variable (SV) — a variable where the value is always valid. – 5.5 equipment constant (ECV) — a variable where the value is always set by the host or operator. – 5.6 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.7 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 				

		TO: Section/Paragraph Section 5 <ul style="list-style-type: none"> 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. 5.1.25 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. 5.1.26 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 		
		Justification (If necessary) <ul style="list-style-type: none"> Delete the controversial definitions Move non-controversial definitions into section 5.1 Definitions section. 5.1.24 is unchanged; inserted alphabetically and renumbered. The section is not necessary since, as one voter points out, the classes are defined in SEMI E5. DVVAL is defined in E5, section 9.7. Usage of DVVAL is consistent with E5. 		
Motion		Negative is addressed by the technical change(s).		
Motion by/2nd by		Chris Maloney (INTEL) / Brian Rubow (Cimterix)		
Discussion				
Result of Vote (check one)		18 Y-1 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		Chris Maloney (INTEL) / Brian Rubow (Cimterix)	
	Discussion			
	Result of Vote (check one)		16 Y-1 N; Motion passed	
		X 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)		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/ 2nd 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)	<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 #		

Negative 3

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.				
		5.2				
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.				
		5.3 data variable (DVVAL) 5.4 status variable (SV) 5.5 equipment constant (ECV) - DVVAL, SV, and ECV are class in E5, but express class, variable data, and variable object in E30.				
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	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)	
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				
Motion by/ 2 nd by	Chris Maloney (INTEL) / Brian Rubow (Cimetrix)					

Discussion		– Propose change #1 in a ratification ballot					
Result of Vote (check one)		18 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"/>	<input type="checkbox"/>	GO TO “Address by Technical Change Option” subsection
		<input type="checkbox"/>	[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/>	<input checked="" type="checkbox"/>	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 Section 5					
		<ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.2 Variable Definitions – See SEMI E5 for full definitions. – 5.3 data variable (DVVAL) — a variable where the value is only valid upon occurrence of one or more associated collection events. – 5.4 status variable (SV) — a variable where the value is always valid. – 5.5 equipment constant (ECV) — a variable where the value is always set by the host or operator. – 5.6 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.7 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 					
		TO: Section/Paragraph Section 5 <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.1.25 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.1.26 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 					
		Justification (If necessary)					
		<ul style="list-style-type: none"> – Delete the controversial definitions – Move non-controversial definitions into section 5.1 Definitions section. 5.1.24 is unchanged; inserted alphabetically and renumbered. – The section is not necessary since, as one voter points out, the classes are defined in SEMI E5. – DVVAL is defined in E5, section 9.7. Usage of DVVAL is consistent with E5. 					
Motion		Negative is addressed by the technical change(s).					
Motion by/2nd by		Chris Maloney (INTEL) / Brian Rubow (Cimterix)					
Discussion		none					
Result of Vote		18 Y-1 N; Motion passed					

	(check one)	<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/2 nd by	Chris Maloney (INTEL) / Brian Rubow (Cimterix)		
	Discussion			
	Result of Vote (check one)	16 Y-1 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/ 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 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
	<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 #		

Disposition of Voting Interest Reject 2

Check only when the Document has not been failed.

3	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)
3	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 3 (Voting Interest Name: AFF_Yokogawa) Voter Reject 1 (Voter: Takashi Nakagawa, Yokogawa)

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. <i>DVNAME should not be removed. I understand that it causes inconsistency and confusable point in the existing standard. But we have too many documents and computer screens including DVNAME and we need huge effort and time to change them.</i>	
TF input (optional)	<ul style="list-style-type: none"> <i>DVNAME is not and never was defined in E30.</i> <i>Removing an ambiguous reference to DVNAME neither causes confusion nor inconsistency. It also does not require or imply that anyone's documents or computer screens be changed.</i> <i>DVNAME remains defined in E5.</i> <i>The author of the ballot and many voters think that keeping references to DVNAME in E30 adds confusion to the document, since a "NAME" is not an ID number.</i> 		
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
	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	<ul style="list-style-type: none"> – Voter falsely claim that removing a single reference to DVNAME would require anyone’s documents or computer screens to change. No such change requirement is stated or implied. – DVNAME was never defined in E30. The only definition of DVNAME remains in SEMI E5. 			
	Motion by/ 2nd by	Chris Maloney (INTEL) / Albert Fuchigami (PEER Group)					
	Discussion	none					
	Result of Vote (check one)	18 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		XX Y-XX N; Motion passed/failed.					

	(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/2nd 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)		
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 checked="" 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 checked="" 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.			

This table is needed for each Negative.

Disposition of Voting Interest Reject 3

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)
1	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. <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

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 4 (Voting Interest Name: AFF_PEER)

Voter Reject 1 (Voter: Eberhard Teichmann, PEER Group)

Negative 1

	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
	Negative Text	<p>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</p> <p><i>This ballot deletes DVNAME from SEMI E30:</i></p> <p><i>The second statement in section "What is the history of this issue and ballot" is not correct:</i></p> <p>2. <i>The controversial acronym DVNAME, which currently is defined in E5 as the ID of a data variable, is not used in E30 due to the confusion it causes readers. Hopefully in E5 this can be changed in the future.</i></p> <p><i>DVNAME is used in SEMI E30 0717 on page 22:</i></p> <p><i>7.3.1.3.2.4 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VID's is the union of all SVID's, ECID's, and ID's for DVVAL's (DVNAME's). See SEMI E5 for a full definition of this data item.</i></p>	
	TF input (optional)	Same as Reject 3 negative 1.	
	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		
	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		
		<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	<ul style="list-style-type: none"> - Voter falsely claim that removing a single reference to DVNAME would require anyone's documents or computer screens to change. No such change requirement is stated or implied. - DVNAME was never defined in E30. The only definition of DVNAME remains in SEMI E5 			
	Motion by/ 2 nd by	Name (Company)/Name (Company) Chris Maloney (INTEL) / Albert Fuchigami (PEER Group)				
	Discussion					
		18 Y-0 N; Motion passed				
Result of Vote (check one)	<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/2 nd by		Name (Company)/Name (Company)			
	Discussion					
Result of Vote		XX Y-XX N; Motion passed/failed.				

	(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	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)		
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 checked="" 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 type="checkbox"/>	(C)	Related and not persuasive (significant)	
		<input checked="" 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.			

This table is needed for each Negative.

Negative 2

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.

		<p>- Usage of DVVAL in this ballot:</p> <p>The usage of DVVAL is not clear. SEMI E5 defines it as 'data value' and it is used as 'data value' and as 'variable' in E30 (see e.g. E30 0717 - page 41).</p> <p>The new section 5.3 in the ballot on page 7 describes DVVAL as data variable – see:</p> <p>5.3 data variable (DVVAL) — a variable where the value is only valid upon occurrence of one or more associated collection events.</p> <p>These modifications of the ballot are not helping to make SEMI E30 better understandable. For that reason I reject the ballot #6348B.</p>				
	TF input (optional)	<p>– Proposal to remove the referenced section 5.3 in a Ratification ballot, change #1.</p> <p>– DVVAL is defined in E5, section 9.7. Usage of DVVAL is consistent with E5.</p>				
	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			
	Motion by/ 2nd by	Chris Maloney (INTEL) / Brian Rubow (Cimetrix)				
	Discussion	– Propose change #1 in a ratification ballot				
	Result of Vote (check one)	18 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"/>	<input type="checkbox"/>	GO TO “Address by Technical Change Option” subsection
<input type="checkbox"/>		[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/>	<input type="checkbox"/>	GO TO “Final” subsection → (E)
<input type="checkbox"/>		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 Changes	Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.		
		1	<p>FROM: Section/Paragraph Section 5</p> <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.2 Variable Definitions – See SEMI E5 for full definitions. – 5.3 data variable (DVVAL) — a variable where the value is only valid upon occurrence of one or more associated collection events. – 5.4 status variable (SV) — a variable where the value is always valid. – 5.5 equipment constant (ECV) — a variable where the value is always set by the host or operator. – 5.6 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.7 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 	
			<p>TO: Section/Paragraph Section 5</p> <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.1.25 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.1.26 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 	
		<p>Justification (If necessary)</p> <ul style="list-style-type: none"> – Delete the controversial definitions – Move non-controversial definitions into section 5.1 Definitions section. 5.1.24 is unchanged; inserted alphabetically and renumbered. – The section is not necessary since, as one voter points out, the classes are defined in SEMI E5. – DVVAL is defined in E5, section 9.7. Usage of DVVAL is consistent with E5. 		
		Motion	Negative is addressed by the technical change(s).	
		Motion by/2nd by	Chris Maloney (INTEL) / Brian Rubow (Cimterix)	
		Discussion	none	
		Result of Vote (check one)	18 Y-1 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	Motion	To incorporate the technical change(s).	
		Motion by/2nd by	Chris Maloney (INTEL) / Brian Rubow (Cimterix)	
		Discussion	none	
			16 Y-1 N; Motion passed	

		<input checked="" type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO “Final” subsection → (F)
	Result of Vote (check one)	<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 #		

**Voting Interest Reject 4 (Voting Interest Name: AFF_PEER)
Voter Reject 2 (Voter: Christian Hoffman PEER Group)**

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. <i>The LI in the Ballot does not resolve the inconsistency in current usage of wording, acronyms and Terms. The values, names and IDs should be formed consistently (SVID, SVV(AL), SVNAME; DVID, DVV(AL), DVNAME; ECID, ECV(AL), ECNAM; CEID, CENAME) or they should not get changed at al.</i>		
TF input (optional)	– Same as other votes. Proposal to address in a Ratification ballot, change #1.			
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)	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			
	Motion by/ 2 nd by	Name (Company)/Name (Company)					
	Discussion						
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				
	Motion by/ 2 nd by	Chris Maloney (INTEL) / Brian Rubow (Cimetrix)					
Discussion	– Propose change #1 in a ratification ballot						
Add ress	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)		
		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				
Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.							

Technical Changes	1	<p>FROM: Section/Paragraph Section 5</p> <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.2 Variable Definitions – See SEMI E5 for full definitions. – 5.3 data variable (DVVAL) — a variable where the value is only valid upon occurrence of one or more associated collection events. – 5.4 status variable (SV) — a variable where the value is always valid. – 5.5 equipment constant (ECV) — a variable where the value is always set by the host or operator. – 5.6 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.7 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 	
	<p>TO: Section/Paragraph Section 5</p> <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.1.25 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.1.26 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 		
	<p>Justification (If necessary)</p> <ul style="list-style-type: none"> – Delete the controversial definitions – Move non-controversial definitions into section 5.1 Definitions section. 5.1.24 is unchanged; inserted alphabetically and renumbered. – The section is not necessary since, as one voter points out, the classes are defined in SEMI E5. – DVVAL is defined in E5, section 9.7. Usage of DVVAL is consistent with E5. 		
Motion		Negative is addressed by the technical change(s).	
Motion by/2nd by		Chris Maloney (INTEL) / Brian Rubow (Cimterix)	
Discussion		none	
Result of Vote (check one)		18 Y-1 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		Chris Maloney (INTEL) / Brian Rubow (Cimterix)
	Discussion		none
	Result of Vote (check one)		16 Y-1 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
	<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 #		

Disposition of Voting Interest Reject 4

Check only when the Document has not been failed.

3	Original number (#) of Negatives	(g)	
0	Number of Negatives withdrawn	(h)	
0	Number of Negatives found not related	(i)	
1	Number of Negatives found not significant	(j)	
2	Number of Negatives addressed by technical change (Negative becomes not significant)	(k)	
Final	<input checked="" type="checkbox"/>	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check
	<input type="checkbox"/>	$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
	<input type="checkbox"/>	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 5 (Voting Interest Name: AFF_KKR)
Voter Reject 1 (Voter: Matsuda Mitsuhiro, KOKUSAI ELECTRIC CORPORATION)**

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
	Negative Text	<p>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</p> <p><i>E30 shall follow E5 definition to harmonize SEMI Standards as a set. See E5 ¶9.7, class definition is as following.</i></p> <ul style="list-style-type: none"> <i>Class — The data type classification (SV, ECV, or DVVAL) of the item. Status values (SVs) always contain valid information, while data values (DVVALs) may only be valid upon the occurrence of a particular event. All equipment constants (ECVs) are settable by the Host.</i> <p><i>So SV shall be defined as “status value”, DVVAL shall be defined “data value” and ECV shall be defined “equipment constant”.</i></p> <p><i>However this ballot introduce new word “... variable” to confuse current Standard user.</i></p>	
TF input (optional)		<p><i>– Strongly disagree. The classification “status value” makes no sense. The term “status variable” is used many, many times in E5, including the definition of SVID.</i></p> <p><i>– Ratification ballot proposes to removed the referenced section (technical change #1).</i></p>	
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)		
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			

	Motion by/ 2nd by	Chris Maloney (INTEL) / Brian Rubow (Cimetrix)					
	Discussion	– Propose change #1 in a ratification ballot					
	Result of Vote (check one)	16 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 Change Option	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 Section 5					
		<ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.2 Variable Definitions – See SEMI E5 for full definitions. – 5.3 data variable (DVVAL) — a variable where the value is only valid upon occurrence of one or more associated collection events. – 5.4 status variable (SV) — a variable where the value is always valid. – 5.5 equipment constant (ECV) — a variable where the value is always set by the host or operator. – 5.6 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.7 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 					
		TO: Section/Paragraph Section 5					
	<ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.1.25 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.1.26 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 						
	Justification (if necessary)						
	<ul style="list-style-type: none"> – Delete the controversial definitions – Move non-controversial definitions into section 5.1 Definitions section. 5.1.24 is unchanged; inserted alphabetically and renumbered. – The section is not necessary since, as one voter points out, the classes are defined in SEMI E5. – DVVAL is defined in E5, section 9.7. Usage of DVVAL is consistent with E5. 						
	Motion	Negative is addressed by the technical change(s).					
	Motion by/2nd by	Chris Maloney (INTEL) / Brian Rubow (Cimetrix)					
	Discussion	none					

	Result of Vote (check one)	18 Y-1 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/2 nd by	Chris Maloney (INTEL) / Brian Rubow (Cimterix)	
Discussion		none		
Result of Vote (check one)		16 Y-1 N; Motion passed		
	X	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)		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)	
		(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 #		

Negative 2

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.
		5.1 Variable Definitions
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.

		<i>Ballot says "See SEMI E5 for full definitions." However I can't find any definition except ¶9.7, class definition.</i>				
	TF input (optional)	– <i>Correct. Needs to be fixed in E5. Addressed with ratification ballot(technical change #1).</i>				
	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.)			
		<input type="checkbox"/>	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.)			
		<input type="checkbox"/>	Reason			
	Motion by/ 2nd by	Chris Maloney (INTEL) / Brian Rubow (Cimetrix)				
	Discussion	– <i>Propose change #1 in a ratification ballot</i>				
	Result of Vote (check one)	16 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"/>	<input type="checkbox"/>
<input type="checkbox"/>		[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/>	<input type="checkbox"/>	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				
Add	Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.					

Technical Changes	1	<p>FROM: Section/Paragraph Section 5</p> <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.2 Variable Definitions – See SEMI E5 for full definitions. – 5.3 data variable (DVVAL) — a variable where the value is only valid upon occurrence of one or more associated collection events. – 5.4 status variable (SV) — a variable where the value is always valid. – 5.5 equipment constant (ECV) — a variable where the value is always set by the host or operator. – 5.6 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.7 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 	
	<p>TO: Section/Paragraph Section 5</p> <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.1.25 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.1.26 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 		
	<p>Justification (If necessary)</p> <ul style="list-style-type: none"> – Delete the controversial definitions – Move non-controversial definitions into section 5.1 Definitions section. 5.1.24 is unchanged; inserted alphabetically and renumbered. – The section is not necessary since, as one voter points out, the classes are defined in SEMI E5. – DVVAL is defined in E5, section 9.7. Usage of DVVAL is consistent with E5. 		
Motion		Negative is addressed by the technical change(s).	
Motion by/2nd by		Chris Maloney (INTEL) / Brian Rubow (Cimterix)	
Discussion		none	
Result of Vote (check one)		18 Y-1 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 GO TO “Final” subsection → (E)	
<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3		
Incorporation of the Technical Change	Motion		To incorporate the technical change(s).
	Motion by/2nd by		Chris Maloney (INTEL) / Brian Rubow (Cimterix)
	Discussion		none
	Result of Vote (check one)		16 Y-1 N; Motion passed
<input checked="" type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO “Final” subsection → (F) GO TO “Final” subsection → (E)	
<input type="checkbox"/>	[Disagree to incorporate.] > 10%		

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”. (<i>Regulations ¶ 9.6.1.4.5.2</i>)		
	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 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 #	

Negative 3

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 5.3 data variable (DVVAL), 5.4 status variable (SV), 5.5 equipment constant (ECV)	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. 5.3 data variable (DVVAL), 5.4 status variable (SV), 5.5 equipment constant (ECV) They are not definition. They are characteristic of data variable.	
TF input (optional)		– Disagree. By this rationale, SV, DVVAL, ECV are not defined anywhere, not even in E5. – Addressed by ratification ballot (technical change #1).	
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	

	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 (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.)					
	<input type="checkbox"/>	Reason					
	<input type="checkbox"/>						
Persuasive	Motion by/ 2 nd by	Chris Maloney (INTEL) / Brian Rubow (Cimetrix)					
	Discussion	– Propose change #1 in a ratification ballot					
	Result of Vote (check one)	16 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"/>	<input type="checkbox"/>	GO TO "Address by Technical Change Option" subsection
		<input type="checkbox"/>	[Negative is related and not persuasive.] < 2/3		<input type="checkbox"/>	<input type="checkbox"/>	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	<p>FROM: Section/Paragraph Section 5</p> <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.2 Variable Definitions See SEMI E5 for full definitions. – 5.3 data variable (DVVAL) — a variable where the value is only valid upon occurrence of one or more associated collection events. – 5.4 status variable (SV) — a variable where the value is always valid. – 5.5 equipment constant (ECV) — a variable where the value is always set by the host or operator. – 5.6 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.7 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 					

		TO: Section/Paragraph Section 5 <ul style="list-style-type: none"> 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. 5.1.25 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. 5.1.26 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 		
		Justification (If necessary) <ul style="list-style-type: none"> Delete the controversial definitions Move non-controversial definitions into section 5.1 Definitions section. 5.1.24 is unchanged; inserted alphabetically and renumbered. The section is not necessary since, as one voter points out, the classes are defined in SEMI E5. DVVAL is defined in E5, section 9.7. Usage of DVVAL is consistent with E5. 		
Motion		Negative is addressed by the technical change(s).		
Motion by/2nd by		Chris Maloney (INTEL) / Brian Rubow (Cimterix)		
Discussion		none		
Result of Vote (check one)		18 Y-1 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		Chris Maloney (INTEL) / Brian Rubow (Cimterix)	
	Discussion		none	
	Result of Vote (check one)		16 Y-1 N; Motion passed	
		X	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)		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/ 2nd 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)	<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
		X	(F)	Addressed by technical change (counted under k disposition)	
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment #		

Negative 4

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.							
		5.7 Variable Data ID (VID)							
Negative Text		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.							
		VID is defined as "Variable ID" in E5 Table 3 Data Item Dictionary.							
		<table border="1"> <tr> <td>VID</td> <td>20, 30, 50</td> <td>Variable ID.</td> <td></td> <td>S1F21, F22, F24; S2F33, F45, F46, F47, F48; S6F13, F18, F22; S16F9; S17F1</td> </tr> </table>	VID	20, 30, 50	Variable ID.		S1F21, F22, F24; S2F33, F45, F46, F47, F48; S6F13, F18, F22; S16F9; S17F1		
VID	20, 30, 50	Variable ID.		S1F21, F22, F24; S2F33, F45, F46, F47, F48; S6F13, F18, F22; S16F9; S17F1					
	Because E5 and E30 are closely associated, definitions shall be harmonized.								
	TF input (optional)								
Withdrawal (check one)	X	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)	X	'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							
	Motion by/ 2 nd by	Name (Company)/Name (Company)							
	Discussion								
Result of Vote (check one)		XX Y-XX N; Motion passed/failed.							
	X	[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 type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)						

Persuasive	(check one)		<input checked="" type="checkbox"/>	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)				
	Reason			<ul style="list-style-type: none"> - The ballot does not change the definition of VID, but only moves the location of the definition. - The definition in E5 is vague. Changes to E5 are out of scope for this ballot. - Voter does not explain why he thinks there is a lack of harmony. 				
	Motion by/ 2 nd by		Name (Company)/Name (Company) Chris Maloney (INTEL) / Albert Fuchigami (PEER Group)					
	Discussion		Voter states that definitions should be the same in E5 and E30. This should be addressed in the future.					
	Result of Vote (check one)		16 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/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)	
Inco rpor	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)		
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 checked="" type="checkbox"/> X	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 type="checkbox"/>	(C)	Related and not persuasive (significant)	
		<input checked="" type="checkbox"/> X	(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 5

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. – 5.3 data variable (DVVAL)
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.

		<p>Word “data variable” is already used the set of SV’s, ECV’s, and DVVAL’s. One example, ¶7.3.2.5.1.1 Host Requests Report, 7.3.2.5.1.1 Host Requests Report:</p> <pre> COMMENT HOST EQUIPMENT COMMENT Host requests data variables contained in report RPTID S6,F19--> <--S6,F20 Equipment responds with a list of variable data for the given RPTID. </pre> <p>Another example, ¶7.3.2.3,</p> <p>7.3.2.3 Detailed Description — The host may request a report containing data variables from the equipment by specifying the RPTID. It is assumed that the report has been previously defined (e.g., using the Define Report S2.F33 transaction [see § 7.3.1]). The values of any status variables (SV’s) and equipment constants (ECV’s) contained within the report must be current. Discrete data values (DVVAL’s) are only guaranteed to be valid upon the occurrence of a specific collection event. If DVVAL cannot be specified in equipment due to some restrictions depend on hardware and/or software conditions, the zero length item is reported.</p>		
	TF input (optional)	<ul style="list-style-type: none"> – The voter is not correct. “variable data” is not the same as “data variable”. – Section 7.3.2.3 is accurate as stated. The host may request reports containing data variables. This is not a definition of reports. – The term “data variable” was introduced long ago in to E30. See E30 section 7.3.1.4. Finding a new term would confuse readers. – Ratification ballot removes the data variable definition. 		
	Withdrawal (check one)	<input type="checkbox"/> No Negative withdrawal made by Voter.	GO TO “Related” subsection	
		<input checked="" type="checkbox"/> Withdrawal document received by Standards staff on 7/10/2019	GO TO “Final” subsection → (A)	
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)	Comment generated. See Section V-(ii) Comment # X.		

Negative 6

Negative	Referenced Section/ Paragraph	<p>*TF/TC Chapter to fill in, including text in the ballot if necessary.</p> <p>5.3 data variable and 5.6 Variable Data</p>
	Negative Text	<p>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</p> <ul style="list-style-type: none"> – These words are very similar but different meaning. It may introduce confusion. – New definition “data variable” should be changed.

TF input (optional)		<ul style="list-style-type: none"> - This is essentially a duplicate of another reject which referenced a usage of "variable data" - Addressed by ratification ballot (technical change #1). 				
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		
	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)	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			
	Motion by/ 2 nd by	Chris Maloney (INTEL) / Brian Rubow (Cimetrix)				
	Discussion	- Propose change #1 in a ratification ballot				
	Result of Vote (check one)	16 Y-0 N; Motion passed.				
		X	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	X	Y
		[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				
Add less	Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.					

Technical Changes	1	<p>FROM: Section/Paragraph Section 5</p> <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.2 Variable Definitions – See SEMI E5 for full definitions. – 5.3 data variable (DVVAL) — a variable where the value is only valid upon occurrence of one or more associated collection events. – 5.4 status variable (SV) — a variable where the value is always valid. – 5.5 equipment constant (ECV) — a variable where the value is always set by the host or operator. – 5.6 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.7 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 	
	<p>TO: Section/Paragraph Section 5</p> <ul style="list-style-type: none"> – 5.1.24 user — a human or humans who represent the factory and enforce the factory operation model and . A user is considered to be responsible for many setup and configuration activities that cause the equipment to best conform to factory operations practices. – 5.1.25 Variable Data (V) — A data item containing a status variable (SV), data variable (DVVAL), or equipment constant (ECV) value. – 5.1.26 Variable Data ID (VID) — A unique identifier of a variable data item. The set of VIDs is the union of all SVIDs, ECIDs, and IDs for DVVALs. 		
	<p>Justification (If necessary)</p> <ul style="list-style-type: none"> – Delete the controversial definitions – Move non-controversial definitions into section 5.1 Definitions section. 5.1.24 is unchanged; inserted alphabetically and renumbered. – The section is not necessary since, as one voter points out, the classes are defined in SEMI E5. – DVVAL is defined in E5, section 9.7. Usage of DVVAL is consistent with E5. 		
Motion		Negative is addressed by the technical change(s).	
Motion by/2nd by		Chris Maloney (INTEL) / Brian Rubow (Cimterix)	
Discussion		none	
Result of Vote (check one)		18 Y-1 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 GO TO “Final” subsection → (E)	
<input type="checkbox"/>	[Negative is not addressed by the technical change(s).] < 2/3		
Incorporation of the Technical Change	Motion		To incorporate the technical change(s).
	Motion by/2nd by		Chris Maloney (INTEL) / Brian Rubow (Cimterix)
	Discussion		none
	Result of Vote (check one)		16 Y-1 N; Motion passed
<input checked="" type="checkbox"/>	90% ≤ [Agree to incorporate.]	GO TO “Final” subsection → (F) GO TO “Final” subsection → (E)	
<input type="checkbox"/>	[Disagree to incorporate.] > 10%		

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
	<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 #		

Disposition of Voting Interest Reject 5

Check only when the Document has not been failed.

6	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)	
4	Number of Negatives addressed by technical change (Negative becomes not significant)	(k)	
Final	<input checked="" type="checkbox"/>	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check
	<input type="checkbox"/>	$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
	<input type="checkbox"/>	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

Note: TC Chapter may choose to address a technical issue that is not part of a Negative received on a Letter Ballot (i.e., a Comment or a reason not addressed by a Vote response) by handling it as a Negative and finding it related and technically persuasive. The TC Chapter may then fail the Document or address such technical issue by using the procedure defined in *Regulations* § 9.6.1.4.3 to make a technical change to the Document. (*Regulations* ¶ 9.6.1.4.2.5)

Technical Issue	Origin	*TF/TC Chapter to choose Comment 1 and 2 (Voter: Albert Fuchigami, PEER Group)		
	Referenced Section/ Paragraph	*TF/TC Chapter to fill in including text in the ballot as appropriate.		
		sections 7.7.5.5.2 and 7.9.3.3		
Reason	*Original Comment text, if applicable, and problem statement, including justification and suggestion, should be copied.			
	<ul style="list-style-type: none"> - Comment #1 - In section 7.7.5.5.2. The footnote reference (superscript 21) was not removed on the S7,F1 entry. <ul style="list-style-type: none"> - Think this can be addressed with an editorial change? - Comment #2 - Definition of 'message recognition' was moved to new section 7.9.3.3; was this meant to go in Section 5 - Terminology? <ul style="list-style-type: none"> - Think this can be addressed with an editorial change? 			
Handle technical issue identified above as a Negative.				
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 and assigned to TF. (Needs ≥2/3 votes to pass.)	
		<input type="checkbox"/>	Negative is not related and placed on agenda of current TC Chapter meeting as new business. (Needs ≥2/3 votes to pass.)	
			Reason	XXXX
	Motion by/ 2nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	<input type="checkbox"/>	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] and assigned to TF.		GO TO "Final" subsection → (B)
<input type="checkbox"/>	2/3 ≤ [Negative is not related] and placed on agenda of current TC Chapter meeting as new business.			
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	XXXX	
	Motion by/ 2nd by	Chris Maloney (INTEL) / Albert Fuchigami (PEER Group)		
	Discussion	Comment #1 to be addressed with technical change #2 by Ratification ballot proposal. No action needed for Comment #2.		
	18 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
	Result of Vote (check one)		[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)			
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 in section 7.7.5.5.2 Process Program Load Inquire S7,F1 ²¹ -->				
			TO: Section/Paragraph in section 7.7.5.5.2 Process Program Load Inquire S7,F1 -->				
			Justification (if necessary) Agree. Remove the footnote superscript.				
	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		Chris Maloney (INTEL) / Albert Fuchigami (PEER Group)				
	Discussion		None				
Result of Vote (check one)		18 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/2 nd by		Chris Maloney (INTEL) / Albert Fuchigami (PEER Group)				
	Discussion		none				
	Result of Vote (check one)		18 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 one)		(B)	Not related			
			(C)	Related and not persuasive			
			(E)	Related and persuasive and not addressed by technical change		DOCUMENT FAILS	

	X	(F)	Addressed by technical change
(check if applicable)			Comment generated. See Section V-(ii) Comment # X.

V. Comments

V- (i) Voters' Comments

Commenter 1 (Dawn Meinhardt / INTEL) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	<i>Pg4 : NOTICE: Unless otherwise indicated, all documents cited ARE the latest published versions.' indicates all documents later published are correct</i>	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
		Already addressed by Commenter #, Comment #
	X	No further action was taken by the TC Chapter.
		Refer to the TF for more consideration.
		New Business
		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. <i>Editorial Changes Other than Those Voted on in § V.</i>
		Case 2: Voted in this section:
		Original section number and at least one full sentence are required in "FROM" and "TO" fields.

This table is needed for each Comment accompanied a Vote

Commenter 2 (Tadashi Mochizuki / TEL) - Comment 1

Comment	<p>*TF/TC Chapter to fill in section/paragraph #, if necessary.</p>																													
	<p>5.2 Variable Definitions:</p> <p>Reason:</p> <ul style="list-style-type: none"> – Thank you for revising the VID acronyms. – I recommend to add a table that describes the acronym to Related Information (or some section). – Following is sample table. This is my understanding for this ballot. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2"></th> <th colspan="4">acronyms</th> </tr> <tr> <th>variable type (class)</th> <th>Variable data ID</th> <th>variable data</th> <th>variable name</th> </tr> </thead> <tbody> <tr> <td>variable</td> <td>---</td> <td>VID</td> <td>V</td> <td>---</td> </tr> <tr> <td> data variable</td> <td>DVVAL</td> <td>ID for DVVAL</td> <td>data variable value (DVVAL)</td> <td>DVVALNAME</td> </tr> <tr> <td> status variable</td> <td>SV</td> <td>SVID</td> <td>Status variable value (SV)</td> <td>SVNAME</td> </tr> <tr> <td> equipment constant</td> <td>ECV</td> <td>ECID</td> <td>Equipment constant value (ECV)</td> <td>ECNAME</td> </tr> </tbody> </table>			acronyms				variable type (class)	Variable data ID	variable data	variable name	variable	---	VID	V	---	data variable	DVVAL	ID for DVVAL	data variable value (DVVAL)	DVVALNAME	status variable	SV	SVID	Status variable value (SV)	SVNAME	equipment constant	ECV	ECID	Equipment constant value (ECV)
	acronyms																													
	variable type (class)	Variable data ID	variable data	variable name																										
variable	---	VID	V	---																										
data variable	DVVAL	ID for DVVAL	data variable value (DVVAL)	DVVALNAME																										
status variable	SV	SVID	Status variable value (SV)	SVNAME																										
equipment constant	ECV	ECID	Equipment constant value (ECV)	ECNAME																										
Action	<p>The TC Chapter agreed to do one of the following actions.</p>																													
	<p>*No motion is required in this step.</p>																													
	<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)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20px;"><input type="checkbox"/></td> <td>Case 1: No vote in this section:</td> </tr> <tr> <td></td> <td>To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Case 2: Voted in this section:</td> </tr> <tr> <td></td> <td>Original section number and at least one full sentence are required in “FROM” and “TO” fields.</td> </tr> </table>	<input type="checkbox"/>	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.	<input type="checkbox"/>	Case 2: Voted in this section:		Original section number and at least one full sentence are required in “FROM” and “TO” fields.																				
<input type="checkbox"/>	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.																													
<input type="checkbox"/>	Case 2: Voted in this section:																													
	Original section number and at least one full sentence are required in “FROM” and “TO” fields.																													

Commenter 3 (Franz Putz / ZNT) - Comment 1

Comment	<p>*TF/TC Chapter to fill in section/paragraph #, if necessary.</p>	
	<ul style="list-style-type: none"> – 7.7.5.5.2 Host-Initiated Process Program Download — Formatted: The reference to footer 21 is obsolete. 	
Action	<p>The TC Chapter agreed to do one of the following actions.</p>	

	*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)	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.
		Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields.

Commenter 4 (Hyosung Kim / Doople) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	<ul style="list-style-type: none"> - <i>Hi,</i> - <i>In Section 5.2</i> - <i>Can we have Alarm ID(ALID) as of standard?</i> 	
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)	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.
		Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields.

Commenter 5 (Matsuda Mitsuhiro / KOKUSAI ELECTRIC) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	<ul style="list-style-type: none"> - I think we first revise E30 without introducing “variable” concept. - As I wrote Comment 2, their already exist inconsistency in E30 and E5. (not only inconsistency between E30 and E5, but also inconsistency each in E5 and in E30.) 	
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:
	<input type="checkbox"/>	To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.
	<input type="checkbox"/>	Case 2: Voted in this section:
	<input type="checkbox"/>	Original section number and at least one full sentence are required in “FROM” and “TO” fields.

Commenter 5 (Matsuda Mitsuhiro / KOKUSAI ELECTRIC) - Comment 2

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	<ul style="list-style-type: none"> - At introducing Stream Function from S1,F21 to S1,F24 of SEMI E5 and related revision of SEMI E30 are misleading for using new definitions without consistency., - We should modify to harmonize other definitions. 	
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
	<input type="checkbox"/>	Case 1: No vote in this section:

	Options for editorial change (check one)		To be included and voted on as a group in § VI. <i>Editorial Changes Other than Those Voted on in § V.</i>
			Case 2: Voted in this section:
			Original section number and at least one full sentence are required in “FROM” and “TO” fields.

V-(ii) Comments Created by Handling Negative

NONE

VI. Editorial Changes Other than Those Voted on in § V

Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.

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)

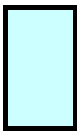
APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations* ¶ 9.6.2.1.3)

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

		Accepts		(Accepts + Valid Rejects)					
Approval Rate	=	49	/	49	=	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.

**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		Chris Maloney (INTEL) / James Moyne (AMAT/UMICH)
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. 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 <i>Regulations ¶ 16.3.1.1</i>) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations ¶ 16.4.1.2</i>) in the Standard or Safety Guideline. (Also see, <i>Regulations § 8.8</i>)			
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 the Standard/Safety Guideline	# 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.
		# 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)

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.	The Document is failed and returned to the TF
				Quit activity.	
				Wait for LOA	PROCEED to check NEXT one, or if this is the last one, GO TO IX(b1)
			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 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	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)			
	NO	MOTION	Ask ISC for special permission to publish.	The Document is failed and returned to the TF	
			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	The Document is failed and returned to the TF
	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)	<input type="checkbox"/>	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.
	<input type="checkbox"/>	NO	GO TO X

X. Action for This Document

Motion	<input type="checkbox"/>	This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
	<input type="checkbox"/>	This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
	<input checked="" type="checkbox"/>	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.
	<input type="checkbox"/>	This Document failed TC Chapter review and will be returned to the TF for rework.
	<input type="checkbox"/>	This Document failed TC Chapter review and work will be discontinued.
Motion by/ 2nd by	Chris Maloney (INTEL) / Albert Fuchigami (PEER Group)	
Discussion	none	
Vote	15 Y-1 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.