

Record of Line-item 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	04/05/2017	04/05/2017
Location	SEMI HQ, Milpitas CA	SEMI HQ, Milpitas CA
Reason for Change of Date and/or Location (if changed)		

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

Document Information

I. Document Number, Title, Lists of Line Items

Document Number 6068A	Document Title LINE ITEM REVISION TO SEMI E116-0707E SPECIFICATION FOR EQUIPMENT PERFORMANCE TRACKING and SEMI E116.1-0707 SPECIFICATION FOR SECS-II PROTOCOL FOR EQUIPMENT PERFORMANCE TRACKING (EPT)	
List of Line Items	Line Item 1	Line Item Title Remove the text “an Appendix of” related to E30 because this section does not exist in the current version and is expected to be renamed “Related Information” in a future version; and remove the “Provisional” name from the SEMI 101 reference.
	Line Item 2	Line Item Title Reapprove SEMI E116.1 as published.

Line Item 1 Adjudication

II. Tally

Standards staff to fill in.

Voting Tally: **As-cast tally after close of voting period**

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (*Regulations ¶ 9.7.1.1*)

Voting Tally (with example values):

Voting Interest:	Returned Votes		Distribution		Return Rate	
Letter Ballot	61	÷	101	=	60.4%	≥60%
Intercommittee Ballot	13					
Voting Interest Reject(s)	0		Total Voters with Rejects		0	
Voting Interest Accept(s)	34					

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

III. Rejects NONE

IV. Other Technical Issues NONE

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 § 9.6.4.3* to make a technical change to the Document. (*Regulations ¶ 9.6.2.4.5*)

V. Comments V- (i) Voters' Comments

NONE
V-(ii) Comments Created by Handling Negative
NONE

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

VII. Approval Conditions Check VII. - (i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change. (*Regulations ¶ 9.7.1.2*)

APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations ¶ 9.7.1.3*)

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

		Accepts		(Accepts + Valid Rejects)					
Approval Rate	=	34	/	34	=	100.0%		≥90%	

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

Note: See Regulations § 9.7.2 for further information.

- Globally Approved (No Ratification Ballot needed):**
Line Item 1 meets the Letter Ballot approval conditions for the global technical committee.
- Need a Ratification Ballot:**
Line Item 1 meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

Line Item 2 Adjudication

II. Tally

Standards staff to fill in.

Voting Tally: As-cast tally after close of voting period

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (Regulations ¶ 9.7.1.1)

Voting Tally (with example values):

Voting Interest:	Returned Votes	Distribution	Return Rate	
Letter Ballot	61	÷ 101	= 60.4%	≥60%
Intercommittee Ballot	13			
Voting Interest Reject(s)	2	Total Voters with Rejects		2
Voting Interest Accept(s)	34			

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: 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. SEMI E116.1		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Reapproval is not scope of line item ballot		
TF input (optional)		The original 6068 SNARF was for Reapproval of SEMI E116 and E116.1		
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)	<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)	Negative is related and persuasive. (Needs >1/3 votes to pass.)		
		X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)	
		Reason	The procedure manual neither prohibits a line item from having a re-approval, nor mandates use of an exclusive re-approval ballot. The intent of this ballot is clear. The original 6068 SNARF was for re-approval. Voters all agree that the specification should be re-approved.	
	Motion by/ 2nd by	Brian Rubow (Cimetrix) / Frank Summers (ISGI)		
	Discussion	None		
	Result of Vote (check one)	5 Y-1 N; Motion passed		
		[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one) Y GO TO "Address by Technical Change Option" subsection	
		[Negative is related and not persuasive.] < 2/3	N GO TO "Final" subsection → (E)	
	X	2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)	
		90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection	
Final	(check if applicable)	(A)	Withdrawn (counted under h in disposition)	
		(B)	Not related (counted under i in disposition)	
		X (C)	Related and not persuasive (significant)	
		(D)	Not significant (counted under j in disposition)	
		(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		(F)	Addressed by technical change (counted under k disposition)	
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.	

This table is needed for each Negative.

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

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

0	Number of Negatives addressed by technical change (Negative becomes not significant)		(k)
Final		$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. <i>Approval Conditions Check</i>
	X	$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. <i>Approval Conditions Check</i>
		Reject without a Negative	Not Valid

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations ¶ 9.4.3.3*)

Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations ¶ 9.6.4.4.2*)

Voting Interest Reject 2 (Voting Interest Name: Hitachi Ltd) Voter Reject 1 (Voter: Matsuda, Mitsuhiro / Hitachi Ltd)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. SEMI E116.1	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Reapproval of a Standard need reapproval ballot. It violates Procedure Manual 3.3.2.3.	
TF input (optional)		The original 6068 SNARF was for Reapproval of SEMI E116 and E116.1	
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)
Motion and Reason		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	The procedure manual neither prohibits a line item from having a re-approval, nor mandates use of an exclusive re-approval ballot. The intent of this ballot is clear. The original 6068 SNARF was for re-approval. Voters all agree that the specification should be re-approved.		
	Motion by/ 2nd by	Brian Rubow (Cimetrix) / Frank Summers (ISGI)				
	Discussion	None				
	Result of Vote (check one)	5 Y-1 N; Motion passed				
			<input type="checkbox"/>	[Negative is related and not 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 checked="" 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		
Final	(check if applicable)	<input type="checkbox"/>	(A)	Withdrawn (counted under h in disposition)		
		<input type="checkbox"/>	(B)	Not related (counted under i in disposition)		
		<input checked="" type="checkbox"/>	(C)	Related and not persuasive (significant)		
		<input type="checkbox"/>	(D)	Not significant (counted under j in disposition)		
		<input type="checkbox"/>	(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS	
		<input type="checkbox"/>	(F)	Addressed by technical change (counted under k disposition)		
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.			

Disposition of Voting Interest Reject 2

Check only when the Document has not been failed.

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

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)

Need a Ratification Ballot:

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

Checks for Entire Document Including All Approved Line Items

VIII. Safety Check

Note: This Safety check applies to the entire Standard or Safety Guideline including all the approved Line Items. See § 15 of the *Regulations* for further information.

Motion	X	This is not a Safety Document , when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations</i> ¶ 8.7.1)
		This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations</i> ¶ 8.7.2)
		Safety Checklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (<i>Regulations</i> ¶ 15.1.2)
Motion by/2nd by		Brian Rubow (Cimetrix) / Matsuda, Mitsuhiro (Hitachi Ltd)
Discussion		None
Vote		6 Y-0 N; Motion passed

IX. Intellectual Property (IP) Check

Note: This IP check applies to the entire Standard or Safety Guideline including all the approved Line Items. See § 16 of the *Regulations* for further information.

X	The TC Chapter meeting chair asked those participating, if they were aware of any potentially material patented technology or copyrighted items* in the Standard or Guideline. (<i>Regulations</i> ¶ 8.8.1)	
X	No potentially material patented technology or reproduction of copyrighted items is known.	GO TO SECTION X.
	Potentially material patented technology or reproduction of copyrighted items is known, but a Letter of Assurance (LOA) or copyright release letter for such items has been obtained or presented to the TC Chapter.	GO TO SECTION X.
	Potentially material patented technology or reproduction of copyrighted items is known and use of such materials is technically justified by the TC Chapter, but an LOA or copyright release letter for some of the item(s) has NOT been obtained or presented to the TC Chapter.	
Motion		Ask ISC for special permission to publish.
		Quit activity.
		Wait for LOA for patented technology or release of copyrighted items.
Motion by/2nd by		Name (Company)/Name (Company)
Discussion		XXXX

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

* Note: Such potentially material patented technology or copyrighted items might have become known since the Standard or Safety Guideline was last reviewed, or might become relevant due to this Letter Ballot.

X. Action for This Document

Motion (Check all applicable items)	X	Line item(s) [1], [2] passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.	
	Motion by/ 2nd by	Brian Rubow (Cimetrix) / Albert Fuchigami (PEER Group)	
	Discussion	NONE	
	Vote	6 Y-0N	
	Final Action	<input checked="" type="checkbox"/>	Motion passed
<input type="checkbox"/>		Motion failed	

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

A&R	<input type="checkbox"/>	Line item(s) [X], [X] and [X] are Approved for publication
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] are Approved pending acceptance of the Ratification Ballot
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] are Not approved
	<input type="checkbox"/>	Reason: