

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 6066A	Document Title LINE ITEM REVISION TO SEMI E130-1104 (Reapproved 0710), <i>SPECIFICATION FOR PROBER SPECIFIC EQUIPMENT MODEL FOR 300 mm ENVIRONMENT (PSEM300)</i> and SEMI E130.1-1104 (Reapproved 0710), <i>SPECIFICATION FOR SECS-II PROTOCOL FOR PROBER SPECIFIC EQUIPMENT MODEL FOR 300 mm ENVIRONMENT (PSEM300)</i>	
List of Line Items	Line Item 1	Line Item Title Remove from SEMI E130 the reference to the “Data Types” section in Standard E30 as this section no longer exists.
	Line Item 2	Line Item Title SEMI E130.1 Specification is balloted for reapproval with no changes.

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)	1	Total Voters with Rejects		1
Voting Interest Accept(s)	30			

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

III. Rejects

Voting Interest Reject 1 (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. Referenced Section/ Paragraph: 9.1.2 SEMI E30 Exclusions		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. I believe there are no E30 exclusions (conflicts) between E30 and E130. This section should be removed.		
TF input (optional)		This is not technically persuasive. It is harmless to leave the text in the specification. It could be useful in the future to have this section.		
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			
	Discussion			
Result of Vote (check one)	<input type="checkbox"/>	[Negative is not related.] < 2/3	GO TO "Persuasive" subsection	

			$2/3 \leq$ [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 $\geq 2/3$ votes to pass.)			
			Reason	This is not technically persuasive. It is harmless to leave the text in the specification. It could be useful in the future to have this section.		
	Motion by/ 2 nd 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		$2/3 \leq$ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)			
		$90\% \leq$ [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.			

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. Approval Conditions Check
	X	$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
		Reject without a Negative	Not Valid

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3)
 Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

IV. Other Technical Issues

NONE

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

Commenter 1 (**Mochizuki, Tadashi / TEL**) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	I think 'Data Types' did not exist in E30 from the beginning and 'Data Items' was correct. If so, I think it would be better to change to 'Data Items' instead of deleting it.	
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

This table is needed for each Comment.

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	=	30	/	31	=	96.8%		≥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)	29					

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 E130.1			
Negative	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 6066 SNARF was for Reapproval of SEMI E130 and E130.1			
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)			
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	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 6066 SNARF was for re-approval. Voters all agree that the specification should be re-approved.		
	Motion by/ 2 nd by	Brian Rubow (Cimetrix) /Albert Fuchigami (PEER Group)			
	Discussion	None			
Result of Vote (check one)	5 Y-1 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 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)	

	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
		(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. Approval Conditions Check
	X	$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
		Reject without a Negative	Not Valid

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

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

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 E130.1	
	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 6066 SNARF was for Reapproval of SEMI E130 and E130.1	
	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)						
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 6066 SNARF was for re-approval. Voters all agree that the specification should be re-approved.				
		Motion by/ 2 nd 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.				

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		$g - (h + i + j + k) = 0$	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)

IV. Other Technical Issues

None

V. Comments

V- (i) Voters' Comments

None

V-(ii) Comments Created by Handling Negative

None

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

None

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	=	29	/	31	=	93.5%		≥90%	

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

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

X	Globally Approved (No Ratification Ballot needed): Line Item 2 meets the Letter Ballot approval conditions for the global technical committee.
	Need a Ratification Ballot: Line Item 1 meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

Checks for Entire Document Including All Approved Line Items

VIII. Safety Check

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

Motion	X	This is not a Safety Document , when all safety-related information is removed, the Document is still technically sound and complete. (<i>Regulations</i> ¶ 8.7.1)
		This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations</i> ¶ 8.7.2)
		Safety Checklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (<i>Regulations</i> ¶ 15.1.2)
Motion by/2nd by		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.

* 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)	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	<table border="1"> <tr> <td style="background-color: #e0f2f1;">X</td> <td>Motion passed</td> </tr> <tr> <td></td> <td>Motion failed</td> </tr> </table>	X	Motion passed	
X	Motion passed				
	Motion failed				

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

A&R		Line item(s) [X], [X] and [X] are Approved for publication
		Line item(s) [X], [X] and [X] are Approved pending acceptance of the Ratification Ballot
		Line item(s) [X], [X] and [X] are Not approved
	Reason:	