

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

Region/Locale: **North America**

Global Technical Committee: **Information & Control**

TC Chapter Cochairs: **Brian Rubow/Cimetrix, Albert Fuchigami/PEER Group, Jack Ghiselli/Ghiselli Consulting, James Moyne/AMAT/University of Michigan**

Standards Staff: **Michelle Sun**

	Scheduled in Background Statement	Actual
Date	3/27/2024	3/27/2024
Location	SEMI HQ/Milpitas	SEMI HQ/Milpitas
Reason for Change of Date and/or Location (if changed)		

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

Document Information

I. Document Number, Title, Lists of Line Items

Document Number 7176		Document Title Line Item Revision to SEMI E134-0923 Specification for Data Collection Management and SEMI E134.2-0923 Specification for Protocol Buffers of Data Collection Management
List of Line Items	Line Item 1	Line Item Title Address issues in the primary and subordinate standards and .proto files.
	Line Item 2	Line Item Title Remove configuration switch to treat NewData message delivery error as SEMI E132 Communication Errors.

Line Item 1 Adjudication

II. Tally

Standards staff to fill in.

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

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (*Regulations* ¶ 9.6.2.1.1)

Voting Tally (with example values):

Voting Interest:	Returned Votes	Distribution	Return Rate	
Letter Ballot	80	÷ 133	= 60.2%	≥60%
Intercommittee Ballot	43			
Voting Interest Reject(s)	0	Total Voters with Rejects		0
Voting Interest Accept(s)	47			

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

III. Rejects

None

IV. Other Technical Issues

None

V. Comments

Commenter 1 (Tadashi Mochizuki/TEL) - Comment 1

Comment	<p>*TF/TC Chapter to fill in section/paragraph #, if necessary.</p>
	<p>I am sorry, this comment is not related with this ballot, however related StartOn/StopOn about TraceRequest.</p> <p>According to Figure 19 of SEMI E134-0923, StartOn/StopOn related to TraceRequest is an array of Trigger, Trigger is either EventTrigger or ExceptionTrigger. On the other hand, in .proto file definition, StartOn/StopOn is an array of TriggerSelector, and TriggerSelector has both EventTrigger array and ExceptionTrigger array.</p> <p>That is, StartOn/StopOn should be an array of Trigger, but in .proto, it is an array of "EventTrigger array and ExceptionTrigger array", which seems to be an error definition. If the above understanding is correct, I would like to make the following proposal.</p> <pre> <Current definition> message TriggerSelectorType { repeated EventType EventTrigger = 1; repeated ExceptionTriggerType ExceptionTrigger = 2; } <Proposal definition> message TriggerSelectorType { oneof Trigger { EventType EventTrigger = 1; ExceptionTriggerType ExceptionTrigger = 2; } } </pre>
▶	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 type="checkbox"/>	No further action was taken by the TC Chapter.	
<input checked="" 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: 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.
Editorial Changes	1	FROM: Section/Paragraph xxx
		TO: Section/Paragraph xxx
		Justification (If necessary)
	2	FROM: Section/Paragraph xxx
		TO: Section/Paragraph xxx
		Justification (If necessary)
Motion	To approve above editorial change(s)	
Motion by/2nd by	Name (Company)/Name (Company)	
Discussion	XXXX	
Vote	XX Y-XX N; Motion passed/failed.	

This table is needed for each Comment accompanied a Vote

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

None

VII. Approval Conditions Check

VII. - (i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change. (Regulations ¶ 9.6.2.1.2)

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

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

		Accepts		(Accepts + Valid Rejects)				
Approval Rate	=	47	/	47	=	100.0%		≥90%

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

Note: See *Regulations* § 9.6.2 for further information.

Globally Approved (No Ratification Ballot needed):

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

Need a Ratification Ballot:

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

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* ¶ 9.6.2.1.1)

Voting Tally (with example values):

Voting Interest:	Returned Votes	Distribution	Return Rate
Letter Ballot	80	÷ 133	= 60.2% ≥60%
Intercommittee Ballot	43		
Voting Interest Reject(s)	0	Total Voters with Rejects	0
Voting Interest Accept(s)	48		

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

III. Rejects

None

Motion	<input checked="" type="checkbox"/>	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)
	<input type="checkbox"/>	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)
	<input type="checkbox"/>	Safety Checklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (<i>Regulations</i> ¶ 15.1.2)
Motion by/2nd by		By: Albert Fuchigami / PEER Group Inc. Second: James Moyne / Applied Materials, Inc.
Discussion		None
Vote		10 Y-0 N; Motion passed

IX. Intellectual Property (IP) Check

Note: This Letter Ballot may cover all or part of a Standard or Safety Guideline. Regardless of the coverage, this IP check applies to the entire Standard or Safety Guideline including all the approved Line Items*. See Regulations § 16 for further information.

x	The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see <i>Regulations</i> ¶ 16.3.1.1) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations</i> ¶ 16.4.1.2) in the Standard or Safety Guideline. (Also see, <i>Regulations</i> § 8.8)			
	<input type="checkbox"/>	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.	
	<input checked="" type="checkbox"/>	The question is answered in affirmative	Is any of the known IPs a patented technology?	<input checked="" type="checkbox"/>
				<input type="checkbox"/>
			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

1 Fill number	(l) Known Patented Technology that might be relevant to the Standard/Safety Guideline	0 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.
		1 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 <u>Asyst Patent Application</u>	Date of Assessment (If different from the date of Letter Ballot adjudication)
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<u>Multi-protocol multi-client equipment server</u> <u>Automation Job Management</u> <u>Automated tool management in a multi-protocol environment</u> <u>Apparatus and method for web-based tool management</u>		12/1/2007				
NON-ASSERTION AGREEMENT (LOA) between SEMI and Asyst Technologies has been signed with for US Patents #11/340101, #11/107508, #09/899833, and 09/496009, in 2008.						
Is disclosed patented technology #1 found to be "might be material" to the Standard/Safety Guideline?	<input checked="" type="checkbox"/>	YES (It is a PMPT)	Is the use of this PMPT technically justified?	<input checked="" type="checkbox"/>	YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(a3)
	<input type="checkbox"/>			<input type="checkbox"/>	NO	The Document is failed and returned to the TF
	<input type="checkbox"/>	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 ?	<input checked="" type="checkbox"/>	YES	PROCEED to check NEXT one, or if this is the last one, GO TO IX(b)			
	<input type="checkbox"/>	NO	MOTION	<input type="checkbox"/>	Ask ISC for special permission to publish.	
				<input type="checkbox"/>	Quit activity.	The Document is failed and returned to the TF
				<input type="checkbox"/>	Wait for LOA	PROCEED to check NEXT one, or if this is the last one, GO TO IX(b1)
			Motion by/ 2 nd by	Name (Company)/Name (Company)		
			Discussion	XXXX		
			Vote	XX Y-XX N; Motion passed (or failed)		

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

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

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

IX(b2) Assessment of disclosed copyrighted items

Disclosed copyrighted item #1 <i>(Brief description of its use in the Document):</i>					
Is disclosed copyrighted item #1 used or reproduced in the Standard/Safety Guideline?		YES	Is the use/reproduction of this copyrighted item technically justified?	YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(b3)
		NO		NO	
		NO	No further action is needed for copyrighted item #1		

This table is needed for each disclosed copyrighted item.

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

Copyright release Status of copyrighted item #1					
Has the copyright release been received from its owner ?.		YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(c)		
	MOTION	NO		Ask ISC for special permission to publish.	
				Quit activity.	The Document is failed and returned to the TF
				Wait for copyright release letter	PROCEED to check NEXT one, or if this is the last one, GO TO IX(c)
		Motion by/ 2 nd 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?	x	YES	Is every instance of trademark use technically justified?	x	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)		YES	Sections IX(a2) and IX(a3) shall be completed and recorded for such patented technologies at next scheduled meeting of the TC Chapter. Until then, the TC Chapter shall NOT go to X (making motion to pass/fail this Document) (see Regulations ¶ 16.4.1.2) Until then this Letter Ballot Review is on hold.			
	x	NO	GO TO X			

X. Action for This Document

Motion (Check all applicable items)	<input checked="" type="checkbox"/>	Line item(s) [1], [2] passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] passed TC Chapter review with technical changes and with or without editorial changes and will be forwarded to the ISC A&R SC for procedural review. A Ratification Ballot will be issued to verify the technical changes.
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] failed TC Chapter review and will be returned to the TF for rework.
	<input type="checkbox"/>	Line item(s) [X], [X] and [X] failed TC Chapter review and work will be discontinued.
Motion by/ 2nd by	By: Albert Fuchigami / PEER Group Inc. Second: Daniel Judd / Arlington Laboratory	
Discussion	None	
Vote	11 Y-0 N	
Final Action	<input checked="" type="checkbox"/>	Motion passed
	<input type="checkbox"/>	Motion failed

Note: If the use of PMPT or copyrighted item is justified by the TC Chapter, LOA or release form must be received before publication can proceed.