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

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

	Scheduled in Background Statement	Actual
Date	**11/8/2023**	**11/8/2023**
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	**Document Title**
7120	**Line Item Revision to SEMI E157-0611, Specification for Module Process Tracking**
☐ **Line Item 1**	**Line Item Title** **Well-Known Names for E157**

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	84	÷	140	=	60.0%	≥60%
Intercommittee Ballot	36					
Voting Interest Reject(s)	1		**Total Voters with Rejects**		1	
Voting Interest Accept(s)	44					

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

III. Rejects
Voting Interest Reject 1 (Voting Interest Name: Kokusai Electric)
Voter Reject 1 (Voter: Matsuda Mitsuhiro / Kokusai Electric)
Negative 1

<table>
<tr><td rowspan="4">Negative</td><td rowspan="2">Referenced Section/ Paragraph</td><td colspan="3">*TF/TC Chapter to fill in, including text in the ballot if necessary.</td></tr>
<tr><td colspan="3">Appendix 1</td></tr>
<tr><td rowspan="2">Negative Text</td><td colspan="3">*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</td></tr>
<tr><td colspan="3">APPENDIX 1 title shall be 'RETIRED VARIABLE' and change contents of APPENDIX from 'retired well-known names' to 'retired variables',</td></tr>
<tr><td colspan="2">TF input (optional)</td><td colspan="3"></td></tr>
<tr><td colspan="2" rowspan="2">Withdrawal (check one)</td><td></td><td>No Negative withdrawal made by Voter.</td><td>GO TO "Related" subsection</td></tr>
<tr><td>x</td><td>Withdrawal document received by Standards staff on 11/7/2023.</td><td>GO TO "Final" subsection → (A)</td></tr>
<tr><td rowspan="7">Final</td><td rowspan="6">(check if applicable)</td><td>x</td><td>(A)</td><td colspan="2">Withdrawn (counted under h in disposition)</td></tr>
<tr><td></td><td>(B)</td><td colspan="2">Not related (counted under i in disposition)</td></tr>
<tr><td></td><td>(C)</td><td colspan="2">Related and not persuasive (significant)</td></tr>
<tr><td></td><td>(D)</td><td colspan="2">Not significant (counted under j in disposition)</td></tr>
<tr><td></td><td>(E)</td><td>Related and persuasive and not addressed by technical change</td><td rowspan="2">DOCUMENT FAILS</td></tr>
<tr><td></td><td>(F)</td><td>Addressed by technical change (counted under k disposition)</td></tr>
<tr><td>(check if applicable)</td><td>x</td><td colspan="3">Comment generated. See Section V-(ii) Comment # 1.</td></tr>
</table>

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)**
1	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	x	**g** - (**h** + **i** +**j** + **k**) = 0	Reject is Not Valid and is not included in the denominator of § VI. *Approval Conditions Check*
		g - (**h** + **i** +**j** + **k**) >0	Reject is included in the denominator of § VI. *Approval Conditions Check*
		Reject without a Negative	**Not Valid**

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3)
Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.1.4.5.2)

IV. Other Technical Issues
None

V. Comments
V- (i) Voters' Comments
Commenter 1 (Hyungsu Kim / Doople) - Comment 1

Comment	***TF/TC Chapter to fill in section/paragraph #, if necessary.**
	Well-Known Name is a name that is too abstract to be used in standards. Other representative names are recommended. (e.g. Standardized Name or Representational Name, Substant Name)

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

This table is needed for each Comment accompanied a Vote

Commenter 1 (Hyungsu Kim / Doople) - Comment 2

Comment	***TF/TC Chapter to fill in section/paragraph #, if necessary.**
	The Well-Know Name proposed in this Ballot seems to be intended to use the Name used in Freeze.2 E164 as it is, but I hope it will be more advanced in Freeze.3. In other words, even if it cannot be expressed up to the variable class of the parameter, I hope it can at least distinguish between the parameter and the event.

(e.g E40:ProcessJob:ObjID -> E40:Variable:ProcessJob:ObjID, E40:PRJobSetup -> E40:Event:PRJobSetup) |
| A | **The TC Chapter agreed to do one of the following actions.** |

3

		*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

V-(ii) Comments Created by Handling Negative

Comment (Created by Handling Negative) NC – 1

Comment	***TF/TC Chapter to fill in**			
	Negative submitted by Matsuda Mitsuhiro / Kokusai Electric **APPENDIX 1 title shall be 'RETIRED VARIABLE' and change contents of APPENDIX from 'retired well-known names' to 'retired variables',**			
Action	**The TC Chapter agreed to do one of the following actions.**			
	*No motion is required in this step.			
		Already addressed by Commenter #, Comment #		
		No further action was taken by the TC Chapter.		
		Refer to the TF for more consideration.		
		New business		
	x	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:	
		x	**Original section number and at least one full sentence are required in "FROM" and "TO" fields.**	
Editorial Changes	1	**FROM: Section/Paragraph Appendix 1** Text: RETIRED WELL KNOWN NAMES		
		TO: Section/Paragraph Appendix 1 Text: ~~RETIRED~~ WELL KNOWN NAMES <u>FOR RETIRED VARIABLES, COLLECTION EVENTS and ALARMS</u>		
		Justification (If necessary) The additional text in the title is more descriptive.		

Motion	To approve above editorial change(s)
Motion by/2nd by	By: Brian Rubow / Cimetrix Incorporated Second: Chris Maloney / Intel Corporation
Discussion	None
Vote	10 **Y**-0 **N**; Motion passed.

This table is needed for each Comment created by handling Negative.

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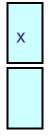
APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations* ¶ 9.6.2.1.3)

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

		Accepts	**(Accepts + Valid Rejects)**			
Approval Rate	=	**44**	/	**44**	=	**100.0%**	**≥90%**

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

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

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

Checks for Entire Document Including All Approved Line Items

VIII. Safety Check

Note: This Safety check <u>applies to the entire Standard or Safety Guideline</u> 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. (*Regulations* ¶ 8.7.1)
		This is a Safety Document, when all safety-related information is removed, the Document is not technically sound and complete. (*Regulations* ¶ 8.7.2)
		Safety Checklist (*Regulations* ¶ 15.3) is complete and has been included with the Document throughout the balloting process. (*Regulations* ¶ 15.1.2)
Motion by/2nd by		By: Brian Rubow / Cimetrix Incorporated Second: Chris Maloney / Intel Corporation
Discussion		None
Vote		11 **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 <u>applies to the entire Standard or Safety Guideline</u> 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 *Regulations* ¶ 16.3.1.1) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see *Regulations* ¶ 16.4.1.2) in the Standard or Safety Guideline. (Also see, *Regulations* § 8.8)			
	x	The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.)	**GO TO SECTION X.**		
		The question is answered in affirmative	Is any of the known IPs a patented technology?	**Yes, at least one of them is a patented technology**	**GO TO IX (a) "Patented Technology" subsection**
				No	**GO TO IX (b) "Copyright items" subsection**

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

# **Fill number**	**(l)** Known Patented Technology that might be relevant to	**#** **Fill number**	**(m)** Number of patented technologies first became known to the TC Chapter on or after the day of the issuance of this Letter Ballot	**Postpone assessment of such patented technologies to be performed at the next scheduled TC Chapter meeting.**

	the Standard/Safety Guideline	**#** **Fill number**	**(n)** Number of patented technologies first became known to the TC Chapter before the day of the issuance of this Letter Ballot	**GO TO IX (a2)**

IX(a2) Assessment of disclosed patented technologies

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

This table is needed for each disclosed patented technology.

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

LOA Status of PMPT #1					
Has an LOA for this patented technology been received from every owner ?		YES	**PROCEED to check NEXT one,** **or if this is the last one, GO TO IX(b)**		
		NO	MOTION		Ask ISC for special permission to publish.
				Quit activity.	**The Document is failed and returned to the TF**
				Wait for LOA	**PROCEED to check NEXT one,** **or if this is the last one, GO TO IX(b1)**
			Motion by/ 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						
(*Brief description of its use in the Document*):						
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	**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.	
				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)		YES	**Sections IX(a2) and IX(a3) shall be completed and recorded for such patented technologies at next scheduled meeting of the TC Chapter. Until then, the TC Chapter shall NOT go to** X (making motion to pass/fail this Document) **(see *Regulations* ¶ 16.4.1.2)** **Until then this Letter Ballot Review is on hold.**
		NO	**GO TO X**

X. Action for This Document

Motion (Check all applicable items)			
			Line item(s) [X], [X] and [X] passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
	x		Line item(s) [1] passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
			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.
			Line item(s) [X], [X] and [X] failed TC Chapter review and will be returned to the TF for rework.
			Line item(s) [X], [X] and [X] failed TC Chapter review and work will be discontinued.

Motion by/ 2nd by	By: Brian Rubow / Cimetrix Incorporated Second: Chris Maloney / Intel Corporation
Discussion	None
Vote	10 **Y**-0 **N**
Final Action	x Motion passed
	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.