

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

Region/Locale: **North America**

Global Technical Committee: **Metrics**

TC Chapter Cochairs: **David Bouldin/Fab Consulting, Vladimir Kraz/BestESD**

Standards Staff: **Michelle Sun**

	Scheduled in Background Statement	Actual
Date	TBD	04/14/2021
Location	TBD	OVTCCM
Reason for Change of Date and/or Location (if changed)	COVID-19 Pandemic	

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

## Document Information

### I. Document Number, Title, Lists of Line Items

<b>Document Number</b> E78-0912		<b>Document Title</b> GUIDE TO ASSESS AND CONTROL ELECTROSTATIC DISCHARGE (ESD) AND ELECTROSTATIC ATTRACTION (ESA) FOR EQUIPMENT
<b>List of Line Items</b>	<b>Line Item 1</b>	<b>Line Item Title</b> Update tables and references with changes needed to replace ITRS references with IRDS 2017 throughout the document
	<b>Line Item 2</b>	<b>Line Item Title</b> Update referenced documents and remove obsolete or outdated documents.
	<b>Line Item 3</b>	<b>Line Item Title</b> Implement editorial and minor technical changes as needed (e.g., to comply with <i>Style Manual</i> , <i>Regulations</i> , and/or <i>Procedure Manual</i> ).

## 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	39	÷ 65	= 60.0%	≥60%
Intercommittee Ballot	0			
Voting Interest Reject(s)	1	Total Voters with Rejects		1
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: Kokusai Electric)

#### Voter Reject 1 (Voter: Mitsuhiro Matsuda / Kokusai Electric)

#### Negative 1

	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		Background Statement	
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.	
		<p>“date, time, and location of the TC Chapter review of Letter Ballot” is not written at Background.  Metrics GTC has already decided to adopt Official Virtual TC Chapter Meetings. So there is no issue to write “date, time, and location of the TC Chapter review of Letter Ballot”.  This violates Regulation § 9.5.  <b>9.5 Letter Ballot Review Timing</b> — Letter Ballot Review shall be completed at the scheduled date and location of the TC Chapter meeting as described in the Background Statement of the Letter Ballot (see <i>Procedure Manual</i> ¶ 2.6.4.1).  <b>EXCEPTION 1:</b> If Standards staff decides to postpone a set of scheduled Standards meetings due to force majeure (e.g., natural disaster, war, loss of necessary infrastructure at the meeting location described in the Background Statement of the Letter Ballot), Letter Ballot Review in question shall be completed during the rescheduled TC Chapter meeting. If rescheduling is not practical, review may be changed to a meeting of a TC Chapter other than the Originating TC Chapter (i.e., this TC Chapter would become the Responsible TC Chapter) if agreed upon by the cochairs of the Originating TC Chapter, and approved by the GCS (see ¶ 5.7.6.1d).  <b>EXCEPTION 2:</b> If the TC Chapter assessment of any patented technology that may be relevant to the Document is postponed in accordance with § 16.3.3.2, the Letter Ballot Review shall be completed during the next scheduled meeting of the Responsible TC Chapter, at which the last one of the postponed assessments of patented technologies in accordance with § 16.3.3.2 is conducted.</p>	
	TF input (optional)		
	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 03/23/2021. GO TO “Final” subsection → (A)
6 R	Motion and Reason	<input type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no motion.) GO TO “Persuasive” subsection

	(check one)	Negative is not related. (Needs $\geq 2/3$ votes to pass.)			
		Reason	XXXX		
	Motion by/ 2 <sup>nd</sup> 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		
		$2/3 \leq$ [Negative is not related.]	GO TO "Final" subsection $\rightarrow$ (B)		
Persuasive	Motion and Reason (check one)	Negative is related and persuasive. (Needs $> 1/3$ votes to pass.)			
		Negative is related and not persuasive. (Needs $\geq 2/3$ votes to pass.)			
		Reason	XXXX		
	Motion by/ 2 <sup>nd</sup> by	Name (Company)/Name (Company)			
	Discussion				
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.			
		[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 $\rightarrow$ (E)
		$2/3 \leq$ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection $\rightarrow$ (C)		
		$90\% \leq$ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection		
Address by Technical Change Option	<b>Technical Change Recommendations</b>				
	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)					

	<b>Motion</b>	Negative is addressed by the technical change(s).		
	<b>Motion by/2<sup>nd</sup> by</b>	Name (Company)/Name (Company)		
	<b>Discussion</b>			
	<b>Result of Vote (check one)</b>	<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)	
<b>Incorporation of the Technical Change</b>	<b>Motion</b>	To incorporate the technical change(s).		
	<b>Motion by/2<sup>nd</sup> by</b>	Name (Company)/Name (Company)		
	<b>Discussion</b>			
	<b>Result of Vote (check one)</b>	<input type="checkbox"/> 90% ≤ [Agree to incorporate.]	GO TO "Final" subsection → (F)	
<input type="checkbox"/> [Disagree to incorporate.] > 10%		GO TO "Final" subsection → (E)		
<b>Not Significant Finding Option</b>	<b>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)</b>			
	<b>Use of "Not significant finding option" (check one)</b>	<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.		
	<b>Motion</b>	The Negative is "not significant".		
	<b>Motion by/ 2<sup>nd</sup> by</b>	Name (Company)/Name (Company)		
<b>Vote</b>	<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)		
<b>Final</b>	<b>(check if applicable)</b>	<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)		
<b>(check if applicable)</b>	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)	
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 <b>(Negative becomes not significant)</b>	(k)	
Final	X	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. <b>Approval Conditions Check</b>
		$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. <b>Approval Conditions Check</b>
		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

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 # (Voter: Name and company) / A reason not addressed by a Vote response		
	Referenced Section/ Paragraph	*TF/TC Chapter to fill in including text in the ballot as appropriate.		
	Reason	*Original Comment text, if applicable, and problem statement, including justification and suggestion, should be copied.		
Handle technical issue identified above as a Negative.				
Related	Motion and Reason (check one)	<input 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				
	XX Y-XX N; Motion passed/failed.			

			[Negative is not related.] <2/3			GO TO "Persuasive" subsection
			2/3 ≤ [Negative is not related] and assigned to TF.			GO TO "Final" subsection → (B)
			2/3 ≤ [Negative is not related] and placed on agenda of current TC Chapter meeting as new business.			
Persuasive	Motion and Reason (check one)		Negative is related and persuasive. (Needs >1/3 votes to pass.)			
			Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
			Reason	XXXX		
	Motion by/ 2 <sup>nd</sup> by	Name (Company)/Name (Company)				
	Discussion					
	Result of Vote (check one)	XX Y-XX N; Motion passed/failed.				
		[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)
		2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)			
Address by Technical Change Option	<b>Technical Change Recommendations</b>					
	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 <sup>nd</sup> by	Name (Company)/Name (Company)				
Discussion						
Result of Vote (check one)	XX Y-XX N; Motion passed/failed.					
		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 <sup>nd</sup> 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)	
Final	(check one)	<input type="checkbox"/>	(B) Not related	
		<input type="checkbox"/>	(C) Related and not persuasive	
		<input type="checkbox"/>	(E) Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		<input type="checkbox"/>	(F) Addressed by technical change	
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.	

## V. Comments

### V- (i) Voters' Comments

#### Commenter 1 (Albert Fuchigami / PEER Group) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	Comment #1 - Revision 1 - IRDS is trademarked. Think first instance of this needs to be properly attributed per Style Manual. Think trademark notation and footnote of can be addressed via Editorial Changes.	
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 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 checked="" 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 checked="" 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"/>	
Editorial	1	<p><b>FROM: Section/Paragraph 1.4</b></p> <p>1.4 Semiconductor process technology continues to move toward smaller product geometries. Acceptable static charge levels continue to decrease with product feature size. This Document provides recommendations for equipment static charge limits that are appropriate for the product being manufactured, referencing the feature sizes contained in the International Roadmap for Devices and Systems (IRDS).</p>

	<p><b>TO: Section/Paragraph 1.4</b>  1.4 Semiconductor process technology continues to move toward smaller product geometries. Acceptable static charge levels continue to decrease with product feature size. This Document provides recommendations to help assure that facility static charge limits are appropriate for the product being manufactured, referencing the feature sizes contained in the International Roadmap for Devices and Systems™ (IRDS™<sup>1</sup>).</p> <p><a href="#"><sup>1</sup> International Roadmap for Devices and Systems and IRDS trademarks are owned by the Institute of Electrical and Electronics Engineers.</a></p> <p><b>Justification (If necessary)</b>  Compliance with <i>Regulations, Procedure Manual, and Style Manual.</i></p>
<b>Motion</b>	To approve above editorial change(s)
<b>Motion by/2<sup>nd</sup> by</b>	By: Charles McClain / Micron Technology, Inc. Second: Albert Fuchigami / PEER Group Inc.
<b>Discussion</b>	None
<b>Vote</b>	14 Y-0 N; Motion passed.



**Commenter 1 (Albert Fuchigami / PEER Group) - Comment 2**

<b>Comment</b>	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	Comment #2 - Revision 3 - I think the ITRS acronym was incorrectly changed to IRDS. i.e. (formally International Technology Roadmap for Semiconductors (IRDS))	
<b>Action</b>	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 type="checkbox"/>	Refer to the TF for more consideration.
	<input type="checkbox"/>	New Business
	<input checked="" type="checkbox"/>	Editorial Change
<b>Editorial Changes</b>	Options for editorial change (check one)	<input type="checkbox"/> <b>Case 1: No vote in this section:</b> <i>To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.</i>
		<input checked="" type="checkbox"/> <b>Case 2: Voted in this section:</b> <i>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</i>
	1	<b>FROM: Section/Paragraph 12.6.3</b> 12.6.3 It is desirable in this Document to harmonize with SEMI E129 recommended electrostatic levels, as well as to synchronize with the major changes in technology mapped in the International Roadmap for Devices and Systems (IRDS) (formerly International Technology Roadmap for Semiconductors (IRDS)).
		<b>TO: Section/Paragraph 12.6.3</b> 12.6.3 It is desirable in this Document to harmonize with SEMI E129 recommended electrostatic levels, as well as to synchronize with the major changes in technology mapped in the International Roadmap for Devices and Systems (IRDS) (formerly International Technology Roadmap for Semiconductors (ITRDS)).
<b>Justification (If necessary)</b> Correct error in acronym.		
<b>Motion</b>	To approve above editorial change(s)	
<b>Motion by/2<sup>nd</sup> by</b>	By: Albert Fuchigami / PEER Group Inc. Second: Vladimir Kraz / BestESD Technical Services	
<b>Discussion</b>	None	
<b>Vote</b>	13 Y-0 N; Motion passed.	

This table is needed for each Comment accompanied a Vote

**Commenter 2 (Clark Cao / Naura) - Comment 1**

*TF/TC Chapter to fill in section/paragraph #, if necessary.
--

Co	It is recommended to refer to the latest roadmap IRDS2020.	
	The TC Chapter agreed to do one of the following actions.	
Action	<b>*No motion is required in this step.</b>	
	<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"/>
<input type="checkbox"/>		<b>Case 2: Voted in this section:</b> <b>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</b>
<input type="checkbox"/>		
<input type="checkbox"/>		
Editorial Changes	1	FROM: Section/Paragraph <b>xxx</b>
		TO: Section/Paragraph <b>xxx</b>
		<b>Justification (If necessary)</b> Compliance with <i>Regulations, Procedure Manual, and Style Manual.</i>
Motion	To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by	Name (Company)/Name (Company)	
Discussion	XXXX	
Vote	XX Y-XX N; Motion passed/failed.	

## V-(ii) Comments Created by Handling Negative

### Comment (Created by Handling Negative) NC – 1

Comment	<b>*TF/TC Chapter to fill in</b>	
Acti	The TC Chapter agreed to do one of the following actions.	
	<b>*No motion is required in this step.</b>	

	<input type="checkbox"/>	Already addressed by Commenter #, Comment #
	<input 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"/>	Options for editorial change (check one)
		<b>Case 1: No vote in this section:</b> <b>To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.</b>
		<b>Case 2: Voted in this section:</b> <b>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</b>
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/2 <sup>nd</sup> by	Name (Company)/Name (Company)	
Discussion	XXXX	
Vote	XX Y-XX N; Motion passed/failed.	

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

## 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.**

	<input type="checkbox"/>	Origin of this editorial change (Check one)	Commenter(s) / Comment(s) #
		<input checked="" type="checkbox"/>	Other, brought up during meeting
1		<b>FROM: Section/Paragraph Section 4.6</b> IRDS 2017— International Roadmap for Devices and Systems <sup>8</sup> (Formerly ITRS 1999, 2002, 2011 — International Technology Roadmap for Semiconductors – ITRS <sup>9</sup> ) <sup>8</sup> Institute of Electrical and Electronics Engineers, IEEE Operations Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, New Jersey 08855-1331, USA. Telephone: +1.732.981.0060; Fax: +1.732.562.6380; <a href="https://irds.ieee.org">https://irds.ieee.org</a> <sup>9</sup> ITRS Worldwide Distribution Center; <a href="http://public.itrs.net">http://public.itrs.net</a>	

<b>TO: Section/Paragraph Section 4.6</b>	
IRDS 2017— International Roadmap for Devices and Systems <sup>8</sup> (Formerly ITRS <sup>9</sup> <del>1999, 2002, 2011</del> — International Technology Roadmap for Semiconductors <del>ITRS<sup>5</sup></del> )	
<sup>8</sup> Institute of Electrical and Electronics Engineers, IEEE Operations Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, New Jersey 08855-1331, USA. Telephone: +1.732.981.0060; Fax: +1.732.562.6380; <a href="https://irds.ieee.org">https://irds.ieee.org</a>	
<sup>9</sup> ITRS Worldwide Distribution Center; <a href="http://public.itrs.net">http://public.itrs.net</a> . ITRS trademark is owned by the Semiconductor Industry Association®.	
<b>Justification: (If necessary) To comply with the Style Manual.</b>	
2	Origin of this editorial change <b>(Check one)</b>
	<input type="checkbox"/> Commenter(s) / Comment(s) #
	<input type="checkbox"/> Other [ ]
	<b>FROM: Section/Paragraph XXX</b>
	<b>TO: Section/Paragraph XXX</b>
<b>Justification: (If necessary)</b>	
<b>Motion</b>	To approve the above editorial change(s).
<b>Motion by/ 2<sup>nd</sup> by</b>	By: Charles McClain / Micron Technology, Inc. Second: Vladimir Kraz / BestESD Technical Services
<b>Discussion</b>	None
<b>Vote</b>	13 Y-0 N; Motion passed

## 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)**

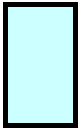
**Note: If both approval conditions are not satisfied, the Document fails.**

		Accepts		(Accepts + Valid Rejects)			
Approval Rate	=	29	/	29	=	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.

### III. Rejects

Voting Interest Reject 1 (Voting Interest Name: **Kokusai Electric**)

Voter Reject 1 (Voter: **Mitsuhiro Matsuda / Kokusai Electric**)

Negative 1

	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		Background Statement	
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.	
		<p>“date, time, and location of the TC Chapter review of Letter Ballot” is not written at Background.</p> <p>Metrics GTC has already decided to adopt Official Virtual TC Chapter Meetings. So there is no issue to write “date, time, and location of the TC Chapter review of Letter Ballot”.</p> <p>This violates Regulation § 9.5.</p> <p>9.5 Letter Ballot Review Timing — Letter Ballot Review shall be completed at the scheduled date and location of the TC Chapter meeting as described in the Background Statement of the Letter Ballot (see <i>Procedure Manual</i> ¶ 2.6.4.1).</p> <p>EXCEPTION 1: If Standards staff decides to postpone a set of scheduled Standards meetings due to force majeure (e.g., natural disaster, war, loss of necessary infrastructure at the meeting location described in the Background Statement of the Letter Ballot), Letter Ballot Review in question shall be completed during the rescheduled TC Chapter meeting. If rescheduling is not practical, review may be changed to a meeting of a TC Chapter other than the Originating TC Chapter (i.e., this TC Chapter would become the Responsible TC Chapter) if agreed upon by the cochairs of the Originating TC Chapter, and approved by the GCS (see ¶ 5.7.6.1d).</p> <p>EXCEPTION 2: If the TC Chapter assessment of any patented technology that may be relevant to the Document is postponed in accordance with § 16.3.3.2, the Letter Ballot Review shall be completed during the next scheduled meeting of the Responsible TC Chapter, at which the last one of the postponed assessments of patented technologies in accordance with § 16.3.3.2 is conducted.</p>	
TF input (optional)			
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 03/23/2021.	GO TO “Final” subsection → (A)
Related	Motion and Reason (check one)	<input 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 <sup>nd</sup> by	Name (Company)/Name (Company)	
Discussion			

		XX Y-XX N; Motion passed/failed.					
	<b>Result of Vote (check one)</b>	<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)		
<b>Persuasive</b>	<b>Motion and Reason (check one)</b>	<input 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			
	<b>Motion by/ 2<sup>nd</sup> by</b>	Name (Company)/Name (Company)					
	<b>Discussion</b>						
			XX Y-XX N; Motion passed/failed.				
	<b>Result of Vote (check one)</b>	<input type="checkbox"/>	[Negative is related and persuasive.] > 1/3	<b>Is a technical change recommended? (check one)</b>	<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 type="checkbox"/>	90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection			
<b>Address by Technical Change Option</b>	<b>Technical Change Recommendations</b>						
	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)					
	<b>Motion</b>		Negative is addressed by the technical change(s).				
	<b>Motion by/2<sup>nd</sup> by</b>		Name (Company)/Name (Company)				
<b>Discussion</b>							
<b>Result of Vote</b>		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 <sup>nd</sup> 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 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 <sup>nd</sup> 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 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
	<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)
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 ( <b>Negative becomes not significant</b> )		(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

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

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 ¶ 9.6.2.1.2)

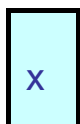
**APPROVAL CONDITION 2:** At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (Regulations ¶ 9.6.2.1.3)

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

		Accepts		(Accepts + Valid Rejects)					
Approval Rate	=	28	/	28	=	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 2 meets the Letter Ballot approval conditions for the global technical committee.

**Need a Ratification Ballot:**

Line Item 2 meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.

**Line Item 3 Adjudication**

**II. Tally**

Standards staff to fill in.

**III. Rejects**

**Voting Interest Reject 1 (Voting Interest Name: Kokusai Electric)**

**Voter Reject 1 (Voter: Mitsuhiro Matsuda / Kokusai Electric)**

**Negative 1**

	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
		Background Statement	
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.	
		<p>“date, time, and location of the TC Chapter review of Letter Ballot” is not written at Background.</p> <p>Metrics GTC has already decided to adopt Official Virtual TC Chapter Meetings. So there is no issue to write “date, time, and location of the TC Chapter review of Letter Ballot”.</p> <p>This violates Regulation § 9.5.</p> <p>9.5 Letter Ballot Review Timing — Letter Ballot Review shall be completed at the scheduled date and location of the TC Chapter meeting as described in the Background Statement of the Letter Ballot (see Procedure Manual ¶ 2.6.4.1).</p> <p>EXCEPTION 1: If Standards staff decides to postpone a set of scheduled Standards meetings due to force majeure (e.g., natural disaster, war, loss of necessary infrastructure at the meeting location described in the Background Statement of the Letter Ballot), Letter Ballot Review in question shall be completed during the rescheduled TC Chapter meeting. If rescheduling is not practical, review may be changed to a meeting of a TC Chapter other than the Originating TC Chapter (i.e., this TC Chapter would become the Responsible TC Chapter) if agreed upon by the cochairs of the Originating TC Chapter, and approved by the GCS (see ¶ 5.7.6.1d).</p> <p>EXCEPTION 2: If the TC Chapter assessment of any patented technology that may be relevant to the Document is postponed in accordance with § 16.3.3.2, the Letter Ballot Review shall be completed during the next scheduled meeting of the Responsible TC Chapter, at which the last one of the postponed assessments of patented technologies in accordance with § 16.3.3.2 is conducted.</p>	
	TF input (optional)		
	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 03/23/2021. GO TO “Final” subsection → (A)
Related	Motion and Reason (check one)	<input 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 <sup>nd</sup> by	Name (Company)/Name (Company)			
	Discussion				
		XX Y-XX N; Motion passed/failed.			
	Result of Vote (check one)	[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.)			
		Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
		Reason	XXXX		
	Motion by/ 2 <sup>nd</sup> by	Name (Company)/Name (Company)			
	Discussion				
		XX Y-XX N; Motion passed/failed.			
	Result of Vote (check one)	[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)
		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	<b>Technical Change Recommendations</b>				
	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			
2	Justification (if necessary)				
	FROM: Section/Paragraph XXX				
	TO: Section/Paragraph xxx				
	Justification (if necessary)				

	<b>Motion</b>	Negative is addressed by the technical change(s).		
	<b>Motion by/2<sup>nd</sup> by</b>	Name (Company)/Name (Company)		
	<b>Discussion</b>			
	<b>Result of Vote (check one)</b>	<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)	
<b>Incorporation of the Technical Change</b>	<b>Motion</b>	To incorporate the technical change(s).		
	<b>Motion by/2<sup>nd</sup> by</b>	Name (Company)/Name (Company)		
	<b>Discussion</b>			
	<b>Result of Vote (check one)</b>	<input type="checkbox"/> 90% ≤ [Agree to incorporate.]	GO TO "Final" subsection → (F)	
<input type="checkbox"/> [Disagree to incorporate.] > 10%		GO TO "Final" subsection → (E)		
<b>Not Significant Finding Option</b>	<b>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)</b>			
	<b>Use of "Not significant finding option" (check one)</b>	<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.		
	<b>Motion</b>	The Negative is "not significant".		
	<b>Motion by/ 2<sup>nd</sup> by</b>	Name (Company)/Name (Company)		
<b>Vote</b>	<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)		
<b>Final</b>	<b>(check if applicable)</b>	<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)		
<b>(check if applicable)</b>	<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)	
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 <b>(Negative becomes not significant)</b>	(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

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

## V. Comments

### V- (i) Voters' Comments

#### Commenter 1 (Clark Cao / Naura) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	It is recommended to refer to the latest roadmap IRDS2020.	
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.

Editorial Changes	1	FROM: Section/Paragraph <b>xxx</b>
		TO: Section/Paragraph <b>xxx</b>
		Justification (If necessary) Compliance with <i>Regulations</i> , <i>Procedure Manual</i> , and <i>Style Manual</i> .
Motion	To approve above editorial change(s)	
Motion by/2 <sup>nd</sup> by	Name (Company)/Name (Company)	
Discussion	XXXX	
Vote	XX Y-XX N; Motion passed/failed.	

## V-(ii) Comments Created by Handling Negative

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

### 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)

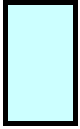
Note: If both approval conditions are not satisfied, the Document

		Accepts		(Accepts + Valid Rejects)					
Approval Rate	=	28	/	28	=	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 3 meets the Letter Ballot approval conditions for the global technical committee.



**Need a Ratification Ballot:**

Line Item 3 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.

<b>Motion</b>	<input checked="" type="checkbox"/>	<b>This is not a Safety Document</b> , when all safety-related information is removed, the Document is still technically sound and complete. ( <i>Regulations</i> ¶ 8.7.1)
	<input type="checkbox"/>	<b>This is a Safety Document</b> , 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)
<b>Motion by/2<sup>nd</sup> by</b>	By: Steven Meyer / Intel Corporation Second: Vladimir Kraz / BestESD Technical Services	
<b>Discussion</b>	None	
<b>Vote</b>	13 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.

<input checked="" type="checkbox"/>	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.)	<b>GO TO SECTION X.</b>		
<input checked="" type="checkbox"/>	The question is answered in affirmative	Is any of the known IPs a patented technology?	<input type="checkbox"/>	<b>Yes, at least one of them is a patented technology</b>
			<input checked="" type="checkbox"/>	<b>No</b>
				<b>GO TO IX (a) "Patented Technology" subsection</b>
				<b>GO TO IX (b) "Copyright items" subsection</b>

#### IX(a) Patented Technologies subsection

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

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



	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**

<b>Disclosed patented technology #1</b> (Brief description, e.g., patent title and number):			<b>Date of Assessment (If different from the date of Letter Ballot adjudication)</b> 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		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**

<b>LOA Status of PMPT #1</b>					
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/ 2 <sup>nd</sup> 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	o > 0	There is at least one known copy righted items that might be relevant to the Standard/Safety Guideline	GO TO IX (b2)
		x	o = 0	There is no disclosed copyrighted item

**IX(b2) Assessment of disclosed copyrighted items**

<b>Disclosed copyrighted item #1</b> <i>(Brief description of its use in the Document):</i>						
Is disclosed copyrighted item #1 used or reproduced in the Standard/Safety Guideline?	<b>x</b>	YES	Is the use/reproduction of this copyrighted item technically justified?	<b>x</b>	YES	<b>PROCEED to assess NEXT one, or if this is the last one, GO TO IX(b3)</b>
				NO	<b>The Document is failed and returned to the TF</b>	
		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**

<b>Copyright release Status of copyrighted item #1</b>					
Has the copyright release been received from its owner ?.		YES	<b>PROCEED to assess NEXT one, or if this is the last one, GO TO IX(c)</b>		
	MOTION	NO		Ask ISC for special permission to publish.	
				Quit activity.	<b>The Document is failed and returned to the TF</b>
				Wait for copyright release letter	<b>PROCEED to check NEXT one, or if this is the last one, GO TO IX(c)</b>
		<b>Motion by/ 2<sup>nd</sup> by</b>	Name (Company)/Name (Company)		
		<b>Discussion</b>	XXXX		
		<b>Vote</b>	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?	<b>x</b>	YES	Is every instance of trademark use technically justified?	<b>x</b>	YES	<b>GO TO IX(d)</b>
				NO	<b>The Document is failed and returned to the TF</b>	
		NO	<b>GO TO IX(d)</b>			

**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	<b>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.</b>			
	<b>x</b>	NO	<b>GO TO X</b>			

## X. Action for This Document

<b>Motion (Check all applicable items)</b>	<input checked="" type="checkbox"/>	Line item(s) [2] and [3] passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
	<input checked="" type="checkbox"/>	Line item(s) [1] 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.
<b>Motion by/ 2nd by</b>	By: Vladimir Kraz / BestESD Technical Services Second: Larry Levit / LBL Scientific	
<b>Discussion</b>	None	
<b>Vote</b>	12 Y-0 N	
<b>Final Action</b>	<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.**