

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

Region/Locale: [Japan](#)

Global Technical Committee: [Automation Technology](#)

TC Chapter Cochairs: [Teruaki Ito/Mitsubishi Electric](#), [Terry Asakawa/Independent](#)

Standards Staff: [Mizue Iwamura \(MS.\)](#)

	Scheduled in Background Statement	Actual
Date	<a href="#">4/20/2018</a>	<a href="#">4/20/2018</a>
Location	<a href="#">SEMI Japan, Tokyo, Japan</a>	<a href="#">SEMI Japan, Tokyo, Japan</a>

### Document Information

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

<b>Document Number</b> <a href="#">6329</a>		<b>Document Title</b> <a href="#">LINE ITEM REVISION TO: 'SEMI A1-0617 SPECIFICATION FOR HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT FOR FACTORY AUTOMATION SYSTEM', AND 'SEMI A1.1-0617 SPECIFICATION FOR MEDIA INTERFACE FOR A HORIZONTAL COMMUNICATION (HC) BETWEEN EQUIPMENT'</a>
<b>List of Line Items</b>	<b>Line Item 1</b>	<b>Line Item Title</b> <a href="#">Remove PV specific items.</a>
	<b>Line Item 2</b>	<b>Line Item Title</b> <a href="#">Make the following improvements regarding Data Brock and its messaging</a>
	<b>Line Item 3</b>	<b>Line Item Title</b> <a href="#">Add explanation that Data Handshake may be used for the host and equipment connection</a>
	<b>Line Item 4</b>	<b>Line Item Title</b> <a href="#">Improve English expressions and document readabilities</a>

## Line Item 1 Adjudication

### II. Tally (Standards staff to fill in)

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

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 :

Voting Interest:	Returned Votes		Distribution		Return Rate	
Letter Ballot	67	÷	103	=	65.0%	>=60%
Intercommittee Ballot	34					
Voting Interest Reject(s)	0		Total Voters with Rejects			0
Voting Interest Accept(s)	51					

### III. Rejects

There is no Rejects on Line Item 1 of #6329.

### IV. Other Technical Issues

There is no Other Technical Issues on Line Item 1 of #6329.

### V. Comments

#### V- (i) Voters' Comments

Commenter 1 (Christian Hoffmann/ PEER Group GmbH) - Comment 1

Comment	*TF/TC Chapter to fill in, if necessary.
	Table 10 shows a rather sophisticated communication model. However, the 3 of 9 HC related combinations are not allowing for message propagation. The pink cells refer to VC and the do NOT belong into this HC specification document, and as VC does not use the EquipmentID for identification of the communication peer they appear to be incorrect. The statements above result in the marked left column and the marked first row do not contribute to the actual scope of the standard document and shall be omitted (beside the other pink colored cells).

Table 10 Combinations of Originator ID and Responder ID

<u>Responder ID</u> \ <u>Originator ID</u>		<u>Originator ID Not Specified (Default)</u>	<u>Originator ID Specified</u>	<u>Host Originated</u>
		<u>0x00<sup>#1</sup></u>	<u>0x01<sup>#1</sup>~0xFF<sup>#1</sup></u>	<u>0xFF<sup>#1</sup></u>
<u>Responder ID Not Specified (Default)</u>	<u>0x00<sup>#1</sup></u>	<ul style="list-style-type: none"> <li>&gt; For HC</li> <li>&gt; Communication between adjacent equipment</li> <li>&gt; Propagation of the message is not allowed.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; For HC</li> <li>&gt; Communication between adjacent equipment where Equipment ID of Responder is unknown</li> <li>&gt; Propagation of the message is not allowed.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; For VC</li> <li>&gt; Communication between the host and equipment</li> <li>&gt; Host originated</li> </ul>
<u>Responder ID Specified</u>	<u>0x01<sup>#1</sup>~0xFF<sup>#1</sup></u>	<ul style="list-style-type: none"> <li>&gt; For HC</li> <li>&gt; Communication between adjacent equipment where Equipment ID of Originator is not set.</li> <li>&gt; Propagation of the message is not allowed.</li> </ul>	<ul style="list-style-type: none"> <li>&gt; For HC</li> <li>&gt; Communication between specified equipment</li> <li>&gt; Propagation of message by Propagator is required</li> </ul>	<ul style="list-style-type: none"> <li>&gt; For VC</li> <li>&gt; Communication between the host and equipment with Equipment ID</li> <li>&gt; Host originated</li> <li>&gt; For HC</li> <li>&gt; Communication between equipment in the host position and the specified equipment beyond adjacent equipment</li> <li>&gt; Propagation of message by Propagator is required</li> </ul>
<u>Broadcast / Back to the Host</u>	<u>0xFF<sup>#1</sup></u>	<ul style="list-style-type: none"> <li>&gt; For VC</li> <li>&gt; Communication between the host and equipment</li> <li>&gt; Equipment originated</li> </ul>	<ul style="list-style-type: none"> <li>&gt; For HC</li> <li>&gt; Broadcast from specified equipment</li> <li>&gt; Propagation of message by Propagator is required</li> <li>&gt; For VC</li> <li>&gt; Communication between the host and equipment with Equipment ID</li> <li>&gt; Equipment originated</li> </ul>	<ul style="list-style-type: none"> <li>&gt; For HC</li> <li>&gt; Broadcast from equipment in the host position</li> <li>&gt; Propagation of message by Propagator is required</li> </ul>

#1 0x means the value follows is hexadecimal.

TF Response; This comment does not refer the part which is covered by this line item. Also, this duplicates with the Negative 4 of Line Item 2.

The TC Chapter agreed to do one of the following actions.

**\*No motion is required in this step.**

Action

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 in § VI. Summary of Editorial Changes.

Case 2: Voted in this section :

Original section number and at least one full sentence are required in "FROM" and "TO" fields.

Edit

1 FROM: Section/Paragraph xxx

		TO: Section/Paragraph <b>xxx</b>
		Justification <b>(If necessary)</b>
	2	FROM: Section/Paragraph <b>xxx</b>
		TO: Section/Paragraph <b>xxx</b>
		Justification <b>(If necessary)</b>
<b>Motion</b>		To approve above editorial change(s)
<b>Motion by/2nd by</b>		Name (Company)/Name (Company)
<b>Discussion</b>		XXXX
<b>Vote</b>		XX-XX; Motion passed/failed.

**Commenter 1 (Christian Hoffmann/ PEER Group GmbH) - Comment 2**

	<b>*TF/TC Chapter to fill in, if necessary.</b>
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Table 15, 16 and table 20 show recommendations. This is not proper wording for a standard specification. Standard documents contain requirements. Those can be mandatory or optional. However, they are not just recommendations; otherwise they are implementation specific and shall rather be shown in application notes.

Ss20	Power On <DH_RDY: * DH_ERR: * DH_RST: * GD_RDY: *>	Power is on and system is running	Ts01	DH_Reset_Request	dc	dc	off	dc	Turn DH_RST on and start T_DRST <sup>#2</sup> then, turn the other control signals off	Ss2	
			Ts02	DH_RST on from DR <sup>#1</sup>	dc	dc	on	dc	Turn all control signals off. In case T_DRST <sup>#2</sup> is started, cancel T_DRST <sup>#2</sup> .	Ss0	
			Ts20	DH_Enable off	dc	dc	dc	dc	Turn all control signals off	Ss0	
			<#11 > Ts21	DH_Media_Error	dc	dc	dc	dc	Turn DH_ERR on. Recommend preserving the other control signals for Material Handshake unchanged.	Ss3	<#11>

Comment

									started, cancel T_DRST. <sup>#2</sup>		
			Tr20	DH_Enable off	dc	dc	dc	dc	Turn all control signals off	Sr0	
			<#11 > Tr21	DH_Media_Error	dc	dc	dc	dc	Turn DH_ERR on. Recommend preserving the other control signals for Material Handshake unchanged.	Sr3	<#11>
Sr0	Receiver Not Ready <DH_RDY: off	Data Receiver is not ready yet (All	Tr03	DH_Enable, and all control signals off except DH_RDY	dc	off	off	off	Turn DH_RDY on.	Sr4	

										signals to inactive state.			
			<#11> Tm30	MH_Media_Error from Media Interface tier	dc	dc	dc	dc	dc	dc	Turn MH_ERR on. Recommend preserving the other control signals for Material Handshake unchanged.	Sm12	Call some assistance for recovery if required. <#11>
Sm10	MH_Reset	MH_RST	Tm27	T_MRST#2	off	off	off	off	off	off	Turn all	Sm11	

TF Response; This comment does not refer the part which is covered by this line item.

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 in <u>§ VI. Summary of Editorial Changes.</u>
		Case 2: Voted in this section :
		Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Change	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-XX; Motion passed/failed.	

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

There is no Comments Created by handling Negative on Line Item 1 of #6329.

## VI. Editorial Changes other than those dealt with in Section V.

There is no Editorial Changes other than those dealt with in Section V on Line Item 1 of #6329.

## 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	=	51	/	51	=	100.0%	>=90%

## VII-(ii). Approval Level (check one)

See § 9.7.2 of the *Regulations* for further information

- ☒ Line Item 1 meets the Letter Ballot Approval Conditions for the global technical committee
- ☐ Line Item 1 meets the Letter Ballot Approval Conditions for the TC Chapter and a Ratification Ballot will be issued to verify Technical Changes

## Line Item 2 Adjudication

## II. Tally (Standards staff to fill in)

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

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 :

Voting Interest:	Returned Votes		Distribution		Return Rate	
Letter Ballot	67	÷	103	=	65.0%	>=60%
Intercommittee Ballot	34					
Voting Interest Reject(s)	1		Total Voters with Rejects			1
Voting Interest Accept(s)	49					

### III. Rejects

#### Voting Interest Reject 1 (Voting Interest Name: PEER Group GmbH)

#### Voting Interest Reject 1- Voter Reject 1 (Voter: Hoffmann, Christian / PEER Group GmbH)

#### Negative 1 of Voting Interest Reject 1- Voter Reject 1

Negative	Referenced Section/ Paragraph	<p><b>*TF/TC Chapter to fill in including text in the ballot if necessary.</b></p> <p>1.</p> <p>&lt;#22&gt;</p> <p>5.2.23 <i>Propagator</i> — an equipment role which relays a General Data message to the next adjacent equipment.</p> <p>&lt;/#22&gt;</p> <p>5.2.24 <i>Receive Port</i> — a material transfer Port which has a function of receiving a material.</p> <p>2.</p> <p><b>1 Purpose</b></p> <p>1.1 The purpose of this Standard is to provide a specification for communication between adjacent equipment in material flow (hereinafter referred to as horizontal communication [HC]) to be used for Factory Automation system (equipment here includes process equipment, metrology equipment, transport equipment and clustered one of those, etc.).</p>		
	Negative Text	<p><b>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</b></p> <p>1. The change #22 attempts to allow/enable for HC between equipment instances that are not adjacent to each other but just logical successors. However, the definition of “Propagator” still refers to adjacent equipment. This does not seem to be correct or seem to be incompletely worded.</p> <p>2. The Purpose section of the document already sets the scope to logically adjacent equipment:</p>		
TF input (optional)				
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.)	
		<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)	
		Reason	XXXX	
	Motion by/2nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XX-XX; Motion passed/failed.		
<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)	
	Motion and Reason	<input type="checkbox"/>	Negative is related and persuasive. (Needs >1/3 votes to pass.)	



Persuasive	(check one)	<input checked="" type="checkbox"/>	Negative is related and not persuasive. <b>(Needs ≥2/3 votes to pass.)</b>																						
			Reason	<p>Firstly, the Purpose section is not a section which sets scope. The Scope section does not say “Logically” adjacent.</p> <p>1. The communication specification defined in this document does not define handshake between non-adjacent logical successors. This Document defines the communication between adjacent equipment, and Propagator is one of the equipment roles of adjacent equipment.</p> <p>2. As the Scope says, this standard defines communication specifications which completes between adjacent equipment. However, it is also possible to relay information by repeatedly using this specification to every connection of equipment in an array of equipment in the production line.</p>																					
	Motion by/2nd by	Katsuyoshi Takahashi (Mitsubishi electric) / Takashi Nakagawa (Yokogawa Solution Service)																							
	Discussion	None.																							
	Result of Vote (check one)	8-0; Motion passed. <table border="1"> <tr> <td><input type="checkbox"/></td> <td>[Negative is related and persuasive.] &gt;1/3</td> <td>Is a Technical Change Recommended ? (Y/N)</td> <td>Y</td> <td>GO TO “Address by Technical Change Option” subsection</td> </tr> <tr> <td><input type="checkbox"/></td> <td>[Negative is related and not persuasive.] &lt;2/3</td> <td></td> <td>N</td> <td>GO TO “Final” subsection → (E)</td> </tr> <tr> <td><input type="checkbox"/></td> <td>2/3 ≤ [Negative is related and not persuasive.] &lt;90%</td> <td colspan="3">GO TO “Final” subsection → (C)</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>90% ≤ [Negative is related and not persuasive.]</td> <td colspan="3">GO TO “Not Significant Finding Option” subsection</td> </tr> </table>					<input type="checkbox"/>	[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended ? (Y/N)	Y	GO TO “Address by Technical Change Option” subsection	<input type="checkbox"/>	[Negative is related and not persuasive.] <2/3		N	GO TO “Final” subsection → (E)	<input type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] <90%	GO TO “Final” subsection → (C)			<input checked="" type="checkbox"/>	90% ≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection	
<input type="checkbox"/>	[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended ? (Y/N)	Y	GO TO “Address by Technical Change Option” subsection																					
<input type="checkbox"/>	[Negative is related and not persuasive.] <2/3		N	GO TO “Final” subsection → (E)																					
<input type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] <90%	GO TO “Final” subsection → (C)																							
<input checked="" type="checkbox"/>	90% ≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection																							
Address by Technical Change Option	<b>Technical Change Recommended by the TF</b>																								
	<b>Note: Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.</b>																								
	Technical Change	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.																						
	Motion by/2nd by		Name (Company)/Name (Company)																						
Discussion																									
Result of Vote (check one)		XX-XX; Motion passed/failed. <table border="1"> <tr> <td><input type="checkbox"/></td> <td>2/3 ≤ [Negative is addressed by the Technical Change.]</td> <td>GO TO “Incorporation of the Technical Change” subsection</td> </tr> </table>			<input type="checkbox"/>	2/3 ≤ [Negative is addressed by the Technical Change.]	GO TO “Incorporation of the Technical Change” subsection																		
<input type="checkbox"/>	2/3 ≤ [Negative is addressed by the Technical Change.]	GO TO “Incorporation of the Technical Change” subsection																							

			[Negative is not addressed by the Technical Change.] < 2/3	GO TO "Final" subsection → (E)	
	Incorporation of the Technical Change	Motion	To incorporate the Technical Change.		
		Motion by/2nd by	Name (Company)/Name (Company)		
		Discussion			
		Result of Vote (check one)	XX-XX; Motion passed/failed.		
				90% ≤ [Agree to incorporate.]	GO TO "Final" subsection → (F)
		[Disagree to incorporate.] > 10%	GO TO "Final" subsection → (E)		
Not Significant Finding Option	This option can only be used "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 ¶ 9.6.4.4.2)				
	Use of "Not significant finding option" (check one)	X	It is mutually agreed upon to term the Negative "not significant".	GO TO "Final" subsection → (D)	
			It is mutually agreed upon to term the Negative "significant".	GO TO "Final" subsection → (C)	
			Whether or not the Negative is "not significant" is decided by a vote.		
	Motion	The Negative is "not significant".			
	Motion by/2nd by	Name (Company)/Name (Company)			
	Vote		XX-XX; Motion passed with simple majority	GO TO "Final" subsection → (D)	
			XX-XX; Motion failed with simple majority	GO TO "Final" subsection → (C)	
Final	(check if applicable)		(A)	withdrawn (counted under h in disposition)	
			(B)	not related (counted under i in disposition)	
			(C)	related and not persuasive (significant)	
		X	(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.		

### Negative 2 of Voting Interest Reject 1- Voter Reject 1

Ne gati		*TF/TC Chapter to fill in including text in the ballot if necessary.
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	Referenced Section/ Paragraph	<table border="1"> <tr> <td colspan="2">Addressing ID</td><td colspan="2">Identifiers which manages addressing of the message. See 'Addressing ID' section for detail.</td></tr> <tr> <td>Originator ID</td><td>ORIG_ID</td><td>2</td><td>BYTE</td><td>Identifier of the Originator of this message.</td></tr> <tr> <td>Responder ID</td><td>RESP_ID</td><td>3</td><td>BYTE</td><td>Identifier of the Responder of this message.</td></tr> <tr> <td colspan="2">Message Control ID</td><td colspan="2">MC_ID</td><td>Identifiers which manage message thread and its interleave. See 'Message Control ID' section for detail.</td></tr> <tr> <td>Thread ID</td><td>THREAD_ID</td><td>4</td><td>BYTE</td><td>An identifier which contains thread control information.</td></tr> <tr> <td>Path ID</td><td>PATH_ID</td><td>5</td><td>BYTE</td><td>An identifier which contains path control information.</td></tr> <tr> <td>(Reserved)</td><td>(Reserved)</td><td>6</td><td>BYTE</td><td>Reserved for future use. Set to 0x00<sup>#1</sup></td></tr> <tr> <td>(Reserved)</td><td>(Reserved)</td><td>7</td><td>BYTE</td><td>Reserved for future use. Set to 0x00<sup>#1</sup></td></tr> <tr> <td>Time Stamp</td><td>TIME_STAMP</td><td>8</td><td>STRUCT</td><td>The time when General Data is sent. Note that TIME_STAMP is for communication</td></tr> <tr> <td></td><td></td><td>~</td><td></td><td></td></tr> </table>			Addressing ID		Identifiers which manages addressing of the message. See 'Addressing ID' section for detail.		Originator ID	ORIG_ID	2	BYTE	Identifier of the Originator of this message.	Responder ID	RESP_ID	3	BYTE	Identifier of the Responder of this message.	Message Control ID		MC_ID		Identifiers which manage message thread and its interleave. See 'Message Control ID' section for detail.	Thread ID	THREAD_ID	4	BYTE	An identifier which contains thread control information.	Path ID	PATH_ID	5	BYTE	An identifier which contains path control information.	(Reserved)	(Reserved)	6	BYTE	Reserved for future use. Set to 0x00 <sup>#1</sup>	(Reserved)	(Reserved)	7	BYTE	Reserved for future use. Set to 0x00 <sup>#1</sup>	Time Stamp	TIME_STAMP	8	STRUCT	The time when General Data is sent. Note that TIME_STAMP is for communication			~		
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		~																																																			
	Negative Text	<p><b>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</b></p> <p>In table 3 there are definitions that require clarification:  AddressingID is not properly defined; the 3 components are not shown how to be arranged in a message (even not in the referenced section). Where is the propagator related component defined?  In my opinion identifiers do not manage anything but they allow for managing something. The statement "Identifiers which manages addressing..." is unclear as it mixes singular and plural in addition.  In the definition of the OriginatorID and the ResponderID there is a "this message". What does it refer to?  The definition of the "Message Control ID" has an unclear statement: "Identifiers which manage message thread and its interleave". The wording needs improvement.</p>																																																			
TF input (optional)																																																					
Withdrawal (check one)		<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GO TO "Related" subsection																																																
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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.)																																																		
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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.)																																																		

			<p>AddressingID only needs to have OriginatorID and ResponderID because Propagator does not need to have ID as the role of Propagator is simply relay a General Data message to the next adjacent equipment.</p> <p>“Identifiers which manages addressing...” should be changed to “Identifiers which manage addressing...” to make it plural expression. → See editorial change</p> <p>“This message” means a message created with the definitions in the table.</p> <p>Both “Message thread” and “Interleave” are technical terms generally used in message protocol definitions and are appropriate.</p>					
	<b>Motion by/2nd by</b>	Katsuyoshi Takahashi (Mitsubishi Electric) / Takashi Nakagawa (Yokogawa Solution Service)						
	<b>Discussion</b>	None.						
	<b>Result of Vote (check one)</b>	8-0; Motion passed.						
		<input type="checkbox"/>	[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended	Y	GO TO “Address by Technical Change Option” subsection		
		<input type="checkbox"/>	[Negative is related and not persuasive.] <2/3	?	N	GO TO “Final” subsection → (E)		
		<input type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] <90%	GO TO “Final” subsection → (C)				
		<input checked="" type="checkbox"/>	90% ≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection				
Address by Technical Change Option	<b>Technical Change Recommended by the TF</b>  <b>Note: Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.</b>							
	Technical Change	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.					
	<b>Motion by/2nd by</b>		Name (Company)/Name (Company)					
	<b>Discussion</b>							
		XX-XX; Motion passed/failed.						

	Result of Vote one (check one)		<input type="checkbox"/>	2/3 ≤ [Negative is addressed by the Technical Change.]	GO TO "Incorporation of the Technical Change" subsection	
			<input type="checkbox"/>	[Negative is not addressed by the Technical Change.] < 2/3	GO TO "Final" subsection → (E)	
	Incorporation of the Technical Change	Motion		To incorporate the Technical Change.		
		Motion by/2nd by		Name (Company)/Name (Company)		
		Discussion				
		Result of Vote (check one)		XX-XX; 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 only be used "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 ¶ 9.6.4.4.2)					
	Use of "Not significant finding option" (check one)	<input checked="" 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/2nd by		Name (Company)/Name (Company)			
	Vote	<input type="checkbox"/>	XX-XX; Motion passed with simple majority		GO TO "Final" subsection → (D)	
<input type="checkbox"/>		XX-XX; Motion failed with simple majority		GO TO "Final" subsection → (C)		
Final	(check if applicable)	<input type="checkbox"/>	(A)	withdrawn (counted under h in disposition)		
		<input type="checkbox"/>	(B)	not related (counted under i in disposition)		
		<input type="checkbox"/>	(C)	related and not persuasive (significant)		
		<input checked="" type="checkbox"/>	(D)	not significant (counted under j in disposition)		
		<input type="checkbox"/>	(E)	related and persuasive and not addressed by Technical Change	DOCUMENT FAILS	
		<input type="checkbox"/>	(F)	addressed by Technical Change (counted under k disposition)		
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.			

### Negative 3 of Voting Interest Reject 1- Voter Reject 1

Ne gati		*TF/TC Chapter to fill in including text in the ballot if necessary.
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	<p>Referenced Section/ Paragraph</p>	<p>7.4.2 Message Control ID (MC ID) <del>Command Sequence No. (CS No.)</del> <del>Sequence No. (CS No.)</del> is defined to support <del>above</del> message protocol for Ger consists of Thread ID and Path ID. <del>Originator/Responder byte and Interleave</del></p> <p><del>7.4.2.1 Originator/Responder Byte — Originator/Responder byte indicates Originator or Responder of the particular message stream. Originator/Responder byte to 01, and Responder shall set it to 03.</del></p> <p>7.4.2.2 Thread ID (THREAD ID) <del>Interleave Byte</del> — Thread ID <del>Interleave b</del> message <del>thread stream</del> the message belongs to. Thread ID shall be assign Responder shall use the same value. <del>Interleave byte is set by the Port w</del> incremented by one for every new message stream. The Port which respond number to keep the message stream number the same. 01 to FF is used cyclic case interleave is not used.</p> <p>7.4.2.3 Path ID (PATH ID) — Path ID indicates message</p> <p>Table 12 Definition of Path ID (PATH ID)</p> <table border="1"> <thead> <tr> <th>Bit</th> <th>mnemonic</th> <th>Value</th> <th>Definitio</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Bit	mnemonic	Value	Definitio								
Bit	mnemonic	Value	Definitio											
	<p>Negative Text</p>	<p>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</p> <p>(uncertain about the proper numbering of the LI as the hashes hard to identify)</p> <p>The marked section number shall get corrected to 7.4.2.1</p> <p>The marked section number shall get corrected to 7.4.2.2</p>												
	<p>TF input (optional)</p>													
	<p>Withdrawal (check one)</p>	<table border="1"> <tr> <td>X</td> <td>No Negative withdrawal made by Voter.</td> <td>GO TO "Related" subsection</td> </tr> <tr> <td></td> <td>Withdrawal document received by Standards staff on MM/DD/YYYY.</td> <td>GO TO "Final" subsection → (A)</td> </tr> </table>	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)						
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)												
<p>Related</p>	<p>Motion and Reason (check one)</p>	<table border="1"> <tr> <td>X</td> <td colspan="2">'Related' is mutually agreed upon. (Needs no Motion.)</td> <td>GO TO "Persuasive" subsection</td> </tr> <tr> <td></td> <td colspan="3">Negative is not related. (Needs ≥2/3 votes to pass.)</td> </tr> <tr> <td></td> <td>Reason</td> <td colspan="2">XXXX</td> </tr> </table>	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	
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												
<p>Motion by/2nd by</p> <p>Name (Company)/Name (Company)</p>														
<p>Discussion</p>														
<p>Result of Vote (check one)</p>	<p>XX-XX; Motion passed/failed.</p> <table border="1"> <tr> <td></td> <td>[Negative is not related.] &lt;2/3</td> <td>GO TO "Persuasive" subsection</td> </tr> <tr> <td></td> <td>2/3≤ [Negative is not related.]</td> <td>GO TO "Final" subsection → (B)</td> </tr> </table>		[Negative is not related.] <2/3	GO TO "Persuasive" subsection		2/3≤ [Negative is not related.]	GO TO "Final" subsection → (B)							
	[Negative is not related.] <2/3	GO TO "Persuasive" subsection												
	2/3≤ [Negative is not related.]	GO TO "Final" subsection → (B)												
<table border="1"> <tr> <td></td> <td colspan="2">Negative is related and persuasive. (Needs &gt;1/3 votes to pass.)</td> </tr> <tr> <td>X</td> <td colspan="2">Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)</td> </tr> <tr> <td></td> <td>Reason</td> <td>As noted in the Ballot, adjustment of section numbers based on the Pass/Fail result of the ballot will be done by SEMI staff.</td> </tr> </table>		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	As noted in the Ballot, adjustment of section numbers based on the Pass/Fail result of the ballot will be done by SEMI staff.					
	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	As noted in the Ballot, adjustment of section numbers based on the Pass/Fail result of the ballot will be done by SEMI staff.												
<p>Motion by/2nd by</p>	<p>Katsuyoshi Takahashi (Mitsubishi Electric) / Takashi Nakagawa (Yokogawa Solution Service)</p>													

	Discussion		None.				
	Result of Vote (check one)		8-0; Motion passed.				
			[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended	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)			
X	90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection					
Address by Technical Change Option	Technical Change Recommended by the TF						
	Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.						
	Technical Change	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.				
	Motion by/2nd by		Name (Company)/Name (Company)				
	Discussion						
	Result of Vote (check one)		XX-XX; Motion passed/failed.				
				2/3 ≤ [Negative is addressed by the Technical Change.]	GO TO "Incorporation of the Technical Change" subsection		
				[Negative is not addressed by the Technical Change.] < 2/3	GO TO "Final" subsection → (E)		
	Incorporation of the Technical Change	Motion		To incorporate the Technical Change.			
		Motion by/2nd by		Name (Company)/Name (Company)			
		Discussion					
Result of Vote (check one)		XX-XX; Motion passed/failed.					
			90% ≤ [Agree to incorporate.]	GO TO "Final" subsection → (F)			
			[Disagree to incorporate.] >10%	GO TO "Final" subsection → (E)			
Not Significant	This option can only be used "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 ¶ 9.6.4.4.2)						

	Use of “Not significant finding option” (check one)	X	It is mutually agreed upon to term the Negative “not significant”.		GO TO “Final” subsection → (D)
			It is mutually agreed upon to term the Negative “significant”.		GO TO “Final” subsection → (C)
			Whether or not the Negative is “not significant” is decided by a vote.		
	Motion	The Negative is “not significant”.			
	Motion by/2nd by	Name (Company)/Name (Company)			
	Vote		XX-XX; Motion passed with simple majority		GO TO “Final” subsection → (D)
		XX-XX; Motion failed with simple majority		GO TO “Final” subsection → (C)	
Final	(check if applicable)		(A)	withdrawn (counted under h in disposition)	
			(B)	not related (counted under i in disposition)	
			(C)	related and not persuasive (significant)	
		X	(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.		

### Negative 4 of Voting Interest Reject 1- Voter Reject 1

Ne gati		*TF/TC Chapter to fill in including text in the ballot if necessary.
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	<p>Referenced Section/ Paragraph</p>	<p><b>Table 10 Combinations of Originator ID and Responder ID</b></p> <table border="1"> <thead> <tr> <th colspan="2">Originator ID \ Responder ID</th><th>Originator ID Not Specified (Default)</th><th>Originator ID Specified</th><th>Host Originated</th></tr> <tr> <th colspan="2"></th><th>0x00<sup>#1</sup></th><th>0x01<sup>#1</sup> ~ 0xFF<sup>#1</sup></th><th>0xFF<sup>#1</sup></th></tr> </thead> <tbody> <tr> <td>Responder ID Not Specified (Default)</td><td>0x00<sup>#1</sup></td><td> <ul style="list-style-type: none"> <li>For HC</li> <li>Communication between adjacent equipment</li> <li>Propagation of the message is not allowed.</li> </ul> </td><td> <ul style="list-style-type: none"> <li>For HC</li> <li>Communication between adjacent equipment where Equipment ID of Responder is unknown</li> <li>Propagation of the message is not allowed.</li> </ul> </td><td> <ul style="list-style-type: none"> <li>For VC</li> <li>Communication between the host and equipment</li> <li>Host originated</li> </ul> </td></tr> <tr> <td>Responder ID Specified</td><td>0x01<sup>#1</sup> ~ 0xFF<sup>#1</sup></td><td> <ul style="list-style-type: none"> <li>For HC</li> <li>Communication between adjacent equipment where Equipment ID of Originator is not set</li> <li>Propagation of the message is not allowed.</li> </ul> </td><td> <ul style="list-style-type: none"> <li>For HC</li> <li>Communication between specified equipment</li> <li>Propagation of message by Propagator is required</li> </ul> </td><td> <ul style="list-style-type: none"> <li>For VC</li> <li>Communication between the host and equipment with Equipment ID</li> <li>Host originated</li> <li>For HC</li> <li>Communication between equipment in the host position and the specified equipment beyond adjacent equipment</li> <li>Propagation of message by Propagator is required</li> </ul> </td></tr> <tr> <td>Broadcast / Back to the Host</td><td>0xFF<sup>#1</sup></td><td> <ul style="list-style-type: none"> <li>For VC</li> <li>Communication between the host and equipment</li> <li>Equipment originated</li> </ul> </td><td> <ul style="list-style-type: none"> <li>For HC</li> <li>Broadcast from specified equipment</li> <li>Propagation of message by Propagator is required</li> <li>For VC</li> <li>Communication between the host and equipment with Equipment ID</li> <li>Equipment originated</li> </ul> </td><td> <ul style="list-style-type: none"> <li>For HC</li> <li>Broadcast from equipment in the host position</li> <li>Propagation of message by Propagator is required</li> </ul> </td></tr> </tbody> </table> <p><small>#1 0x means the value follows is hexadecimal.</small></p>	Originator ID \ Responder ID		Originator ID Not Specified (Default)	Originator ID Specified	Host Originated			0x00 <sup>#1</sup>	0x01 <sup>#1</sup> ~ 0xFF <sup>#1</sup>	0xFF <sup>#1</sup>	Responder ID Not Specified (Default)	0x00 <sup>#1</sup>	<ul style="list-style-type: none"> <li>For HC</li> <li>Communication between adjacent equipment</li> <li>Propagation of the message is not allowed.</li> </ul>	<ul style="list-style-type: none"> <li>For HC</li> <li>Communication between adjacent equipment where Equipment ID of Responder is unknown</li> <li>Propagation of the message is not allowed.</li> </ul>	<ul style="list-style-type: none"> <li>For VC</li> <li>Communication between the host and equipment</li> <li>Host originated</li> </ul>	Responder ID Specified	0x01 <sup>#1</sup> ~ 0xFF <sup>#1</sup>	<ul style="list-style-type: none"> <li>For HC</li> <li>Communication between adjacent equipment where Equipment ID of Originator is not set</li> <li>Propagation of the message is not allowed.</li> </ul>	<ul style="list-style-type: none"> <li>For HC</li> <li>Communication between specified equipment</li> <li>Propagation of message by Propagator is required</li> </ul>	<ul style="list-style-type: none"> <li>For VC</li> <li>Communication between the host and equipment with Equipment ID</li> <li>Host originated</li> <li>For HC</li> <li>Communication between equipment in the host position and the specified equipment beyond adjacent equipment</li> <li>Propagation of message by Propagator is required</li> </ul>	Broadcast / Back to the Host	0xFF <sup>#1</sup>	<ul style="list-style-type: none"> <li>For VC</li> <li>Communication between the host and equipment</li> <li>Equipment originated</li> </ul>	<ul style="list-style-type: none"> <li>For HC</li> <li>Broadcast from specified equipment</li> <li>Propagation of message by Propagator is required</li> <li>For VC</li> <li>Communication between the host and equipment with Equipment ID</li> <li>Equipment originated</li> </ul>	<ul style="list-style-type: none"> <li>For HC</li> <li>Broadcast from equipment in the host position</li> <li>Propagation of message by Propagator is required</li> </ul>
Originator ID \ Responder ID		Originator ID Not Specified (Default)	Originator ID Specified	Host Originated																							
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Broadcast / Back to the Host	0xFF <sup>#1</sup>	<ul style="list-style-type: none"> <li>For VC</li> <li>Communication between the host and equipment</li> <li>Equipment originated</li> </ul>	<ul style="list-style-type: none"> <li>For HC</li> <li>Broadcast from specified equipment</li> <li>Propagation of message by Propagator is required</li> <li>For VC</li> <li>Communication between the host and equipment with Equipment ID</li> <li>Equipment originated</li> </ul>	<ul style="list-style-type: none"> <li>For HC</li> <li>Broadcast from equipment in the host position</li> <li>Propagation of message by Propagator is required</li> </ul>																							
	<p>Negative Text</p>	<p><b>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</b></p> <p>Table 10 shows a rather sophisticated communication model. However, the 3 of 9 HC related combinations are not allowing for message propagation. The pink cells refer to VC and the do NOT belong into this HC specification document, and as VC does not use the EquipmentID for identification of the communication peer they appear to be incorrect.</p> <p>The statements above result in the marked left column and the marked first row do not contribute to the actual scope of the standard document and shall be omitted (beside the other pink colored cells).</p>																									
<p>TF input (optional)</p>																											
<p>Withdrawal (check one)</p>	<p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>No Negative withdrawal made by Voter.</p> <p>Withdrawal document received by Standards staff on MM/DD/YYYY.</p>																									
<p>Related</p>	<p>Motion and Reason (check one)</p>	<p><input checked="" type="checkbox"/> 'Related' is mutually agreed upon. (Needs no Motion.)</p> <p><input type="checkbox"/> Negative is not related. (Needs ≥2/3 votes to pass.)</p>																									
	<p>Reason</p>	<p>XXX</p>																									
	<p>Motion by/2nd by</p>	<p>Name (Company)/Name (Company)</p>																									
	<p>Discussion</p>																										
		<p>XX-XX; Motion passed/failed.</p>																									

	Result of Vote (check one)	<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)	
Persuasive	Motion and Reason (check one)	<input checked="" 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.)			
		<input type="checkbox"/>	Reason	<p>This Document defines the communication between adjacent equipment, and Propagator is one of the equipment roles of adjacent equipment. Message propagation is one of the reactions of adjacent equipment and is in scope.</p> <p>Regarding VC, the negative from the voter is persuasive. Issue the following ratification ballot.</p>		
	Motion by/2nd by	Katsuyoshi Takahashi (Mitsubishi Electric) / Takashi Nakagawa (Yokogawa Solution Service)				
	Discussion	None.				
	Result of Vote (check one)	8-0; Motion passed.				
		<input checked="" type="checkbox"/>	[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended ? (Y/N)	<input checked="" type="checkbox"/>	GO TO "Address by Technical Change Option" subsection
<input type="checkbox"/>		[Negative is related and not persuasive.] <2/3		<input type="checkbox"/>	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			
Address by	<p><b>Technical Change Recommended by the TF</b></p> <p><b>Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.</b></p>					

**FROM: Section/Paragraph**

7.4.1.3 Originator Responder Combinations — The following table shows Originator-Responder combinations. The combinations for HC are coexistent in one production line connected by HCs.

Table 10 Combinations of Originator ID and Responder ID

<div>Originator ID</div> <div>Responder ID</div>		Originator ID Not Specified (Default)	Originator ID Specified	Host Originated
		0x00 <sup>#1</sup>	0x01 <sup>#1</sup> ~0xFE <sup>#1</sup>	0xFF <sup>#1</sup>
Responder ID Not Specified (Default)	0x00 <sup>#1</sup>	<ul style="list-style-type: none"> <li>➤ For HC</li> <li>➤ Communication between adjacent equipment</li> <li>➤ Propagation of the message is not allowed.</li> </ul>	<ul style="list-style-type: none"> <li>➤ For HC</li> <li>➤ Communication between adjacent equipment where Equipment ID of Responder is unknown.</li> <li>➤ Propagation of the message is not allowed.</li> </ul>	<ul style="list-style-type: none"> <li>➤ For VC</li> <li>➤ Communication between the host and equipment</li> <li>➤ Host originated</li> </ul>
Responder ID Specified	0x01 <sup>#1</sup> ~0xFE <sup>#1</sup>	<ul style="list-style-type: none"> <li>➤ For HC</li> <li>➤ Communication between adjacent equipment where Equipment ID of Originator is not set.</li> <li>➤ Propagation of the message is not allowed.</li> </ul>	<ul style="list-style-type: none"> <li>➤ For HC</li> <li>➤ Communication between specified equipment</li> <li>➤ Propagation of message by Propagator is required</li> </ul>	<ul style="list-style-type: none"> <li>➤ For VC</li> <li>➤ Communication between the host and equipment with Equipment ID</li> <li>➤ Host originated</li> </ul>
Broadcast / Back to the Host	0xFF <sup>#1</sup>	<ul style="list-style-type: none"> <li>➤ For VC</li> <li>➤ Communication between the host and equipment</li> <li>➤ Equipment originated</li> </ul>	<ul style="list-style-type: none"> <li>➤ For HC</li> <li>➤ Broadcast from specified equipment</li> <li>➤ Propagation of message by Propagator is required</li> </ul>	<ul style="list-style-type: none"> <li>➤ For HC</li> <li>➤ Broadcast from equipment the host position</li> <li>➤ Propagation of message by Propagator is required</li> </ul>
			<ul style="list-style-type: none"> <li>➤ For VC</li> <li>➤ Communication between the host and equipment with Equipment ID</li> <li>➤ Equipment originated</li> </ul>	

<sup>#1</sup> 0x means the value follows is hexadecimal.

TO: Section/Paragraph

7.4.1.3 Originator Responder Combinations — The following table shows Originator-Responder combinations. The combinations for HC are coexistent in one production line connected by HCs. The combinations for VC are not part of the requirements but references for comparison between HC applications and possible VC applications.

Table 10 Combinations of Originator ID and Responder ID

<div> <div>Originator ID</div> <div>Responder ID</div> </div>		Originator ID Not Specified (Default)	Originator ID Specified	Host Originated
		0x00 <sup>#1</sup>	0x01 <sup>#1</sup> ~0xFE <sup>#1</sup>	0xFF <sup>#1</sup>
<div> <div>Responder ID Not Specified (Default)</div> <div>Responder ID Specified</div> </div>	0x00 <sup>#1</sup>	<ul style="list-style-type: none"> <li>➤ For HC</li> <li>➤ Communication between adjacent equipment</li> <li>➤ Propagation of the message is not allowed.</li> </ul>	<ul style="list-style-type: none"> <li>➤ For HC</li> <li>➤ Communication between adjacent equipment where Equipment ID of Responder is unknown.</li> <li>➤ Propagation of the message is not allowed.</li> </ul>	<ul style="list-style-type: none"> <li>➤ For VC<sup>#2</sup></li> <li>➤ Communication between the host and equipment</li> <li>➤ Host originated</li> </ul>
	0x01 <sup>#1</sup> ~0xFE <sup>#1</sup>	<ul style="list-style-type: none"> <li>➤ For HC</li> <li>➤ Communication between adjacent equipment where Equipment ID of Originator is not set.</li> <li>➤ Propagation of the message is not allowed.</li> </ul>	<ul style="list-style-type: none"> <li>➤ For HC</li> <li>➤ Communication between specified equipment</li> <li>➤ Propagation of message by Propagator is required</li> </ul>	<ul style="list-style-type: none"> <li>➤ For VC<sup>#2</sup></li> <li>➤ Communication between the host and equipment with Equipment ID</li> <li>➤ Host originated</li> </ul>
Broadcast / Back to the Host	0xFF <sup>#1</sup>	<ul style="list-style-type: none"> <li>➤ For VC<sup>#2</sup></li> <li>➤ Communication between the host and equipment</li> <li>➤ Equipment originated</li> </ul>	<ul style="list-style-type: none"> <li>➤ For HC</li> <li>➤ Broadcast from specified equipment</li> <li>➤ Propagation of message by Propagator is required</li> </ul>	<ul style="list-style-type: none"> <li>➤ For HC</li> <li>➤ Broadcast from equipment the host position</li> <li>➤ Propagation of message by Propagator is required</li> </ul>
			<ul style="list-style-type: none"> <li>➤ For VC<sup>#2</sup></li> <li>➤ Communication between the host and equipment with Equipment ID</li> <li>➤ Equipment originated</li> </ul>	

#1 0x means the value follows is hexadecimal.

#2 The descriptions regarding VC in this table are not requirements but references for possible VC applications.

Justification (If necessary)

FROM: Section/Paragraph XXX

		TO: Section/Paragraph <b>xxx</b>		
		Justification (If necessary)		
Motion		Negative is addressed by the Technical Change.		
Motion by/2nd by		Katsuyoshi Takahashi (Mitsubishi Electric)/ Takashi Nakagawa (Yokogawa Solution Service)		
Discussion		None.		
Result of Vote (check one)		8-0; Motion passed.		
		<input checked="" type="checkbox"/> 2/3 ≤ [Negative is addressed by the Technical Change.]	GO TO “Incorporation of the Technical Change” subsection	
		<input type="checkbox"/> [Negative is not addressed by the Technical Change.] < 2/3	GO TO “Final” subsection → (E)	
Incorporation of the Technical Change	Motion	To incorporate the Technical Change.		
	Motion by/2nd by	Katsuyoshi Takahashi (Mitsubishi Electric) / Takashi Nakagawa (Yokogawa Solution Service)		
	Discussion	None.		
	Result of Vote (check one)	8-0; Motion passed.		
<input checked="" type="checkbox"/> 90% ≤ [Agree to incorporate.]		GO TO “Final” subsection → (F)		
		<input type="checkbox"/> [Disagree to incorporate.] > 10%	GO TO “Final” subsection → (E)	
<b>This option can only be used “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 ¶ 9.6.4.4.2)</b>				
Not Significant Finding Option	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)	
		Whether or not the Negative is “not significant” is decided by a vote.		
	Motion	The Negative is “not significant”.		
	Motion by/2nd by	Name (Company)/Name (Company)		
	Vote	<input type="checkbox"/> XX-XX; Motion passed with simple majority	GO TO “Final” subsection → (D)	
		<input type="checkbox"/> XX-XX; Motion failed with simple majority	GO TO “Final” subsection → (C)	
Final	(check if applicable)	<input type="checkbox"/> (A)	withdrawn (counted under <b>h</b> in disposition)	
		<input type="checkbox"/> (B)	not related (counted under <b>i</b> in disposition)	
		<input type="checkbox"/> (C)	related and not persuasive (significant)	
		<input type="checkbox"/> (D)	not significant (counted under <b>j</b> in disposition)	
		<input type="checkbox"/> (E)	related and persuasive and not addressed by Technical Change	DOCUMENT FAILS
		<input checked="" type="checkbox"/> (F)	addressed by Technical Change (counted under <b>k</b> disposition)	
	(check if applicable)		Comment generated. See Section V-(ii) Comment # <b>X</b> .	

## Negative 5 of Voting Interest Reject 1- Voter Reject 1

Negative	Referenced Section/ Paragraph	<p><b>*TF/TC Chapter to fill in including text in the ballot if necessary.</b></p> <p>Table 11 <u>Definition of Thread ID (THREAD_ID)</u></p> <table border="1"> <thead> <tr> <th><u>Thread Status</u></th> <th><u>Value of THREAD_ID</u></th> <th><u>Definition</u></th> <th><u>Note</u></th> </tr> </thead> <tbody> <tr> <td><u>Thread Inactive (Optional)</u></td> <td>0x00<sup>#1</sup></td> <td>Thread function is inactive. ➤ <u>Interleave of messages cannot be used.</u></td> <td></td> </tr> <tr> <td><u>Thread Active (Default)</u></td> <td>0x01<sup>#1</sup>~0xFF<sup>#1</sup></td> <td>Thread function is active. ➤ <u>Shall be unique under ORIG_ID or the equipment.</u> ➤ <u>The value of Thread ID is cyclically incremented by one by the Originator for every new message thread.</u></td> <td></td> </tr> </tbody> </table> <p><small>#1 0x means the value follows is hexadecimal.</small></p>			<u>Thread Status</u>	<u>Value of THREAD_ID</u>	<u>Definition</u>	<u>Note</u>	<u>Thread Inactive (Optional)</u>	0x00 <sup>#1</sup>	Thread function is inactive. ➤ <u>Interleave of messages cannot be used.</u>		<u>Thread Active (Default)</u>	0x01 <sup>#1</sup> ~0xFF <sup>#1</sup>	Thread function is active. ➤ <u>Shall be unique under ORIG_ID or the equipment.</u> ➤ <u>The value of Thread ID is cyclically incremented by one by the Originator for every new message thread.</u>		LETTER BALLOT
	<u>Thread Status</u>	<u>Value of THREAD_ID</u>	<u>Definition</u>	<u>Note</u>													
<u>Thread Inactive (Optional)</u>	0x00 <sup>#1</sup>	Thread function is inactive. ➤ <u>Interleave of messages cannot be used.</u>															
<u>Thread Active (Default)</u>	0x01 <sup>#1</sup> ~0xFF <sup>#1</sup>	Thread function is active. ➤ <u>Shall be unique under ORIG_ID or the equipment.</u> ➤ <u>The value of Thread ID is cyclically incremented by one by the Originator for every new message thread.</u>															
Negative Text	<p><b>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</b></p> <p>Table 11 has a statement “Shall be unique under ORIG_ID or the equipment.” While it is marked as a sentence it is not a sentence as there is no subject. What shall be unique? The statement “ ... incremented one by one by the Originator....” lacks a word.</p>																
TF input (optional)																	
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.)														
		<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)														
		Reason	XXX														
	Motion by/2nd by	Name (Company)/Name (Company)															
	Discussion																
	Result of Vote (check one)	XX-XX; Motion passed/failed.															
<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)														
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	<p>1. As this table is “Definition of Thread ID”, the subject is Thread_ID which is in the left column.</p> <p>2. “incremented by one” means “add 1 to the current value” and appropriate. “Increment one by one” may have a meaning of “increment plural things one by one” and is an uncertain expression for here.</p>															

Address by Technical Change Option	Motion by/2nd by		Takahashi Katsuyoshi (Mitsubishi Electric) / Takeo Yamaki (Yokogawa Solution Service)				
	Discussion		None.				
	Result of Vote (check one)		8-0; Motion passed.				
			<input type="checkbox"/>	[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended	Y	GO TO "Address by Technical Change Option" subsection
			<input type="checkbox"/>	[Negative is related and not persuasive.] <2/3	?	N	GO TO "Final" subsection → (E)
			<input type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] <90%	GO TO "Final" subsection → (C)		
			<input checked="" type="checkbox"/>	90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection		
	<b>Technical Change Recommended by the TF</b> <b>Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.</b>						
	Technical Change	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.					
Motion by/2nd by		Name (Company)/Name (Company)					
Discussion							
Result of Vote (check one)		XX-XX; Motion passed/failed.					
		<input type="checkbox"/>	2/3 ≤ [Negative is addressed by the Technical Change.]	GO TO "Incorporation of the Technical Change" subsection			
		<input type="checkbox"/>	[Negative is not addressed by the Technical Change.] < 2/3	GO TO "Final" subsection → (E)			
Incorporation of the Technical Change	Motion		To incorporate the Technical Change.				
	Motion by/2nd by		Name (Company)/Name (Company)				
	Discussion						
	Result of Vote (check one)		XX-XX; 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 only be used “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”. ( <i>Regulations</i> ¶ 9.6.4.4.2)			
	Use of “Not significant finding option” (check one)	<input checked="" 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/2nd by	Name (Company)/Name (Company)		
	Vote	<input type="checkbox"/>	XX-XX; Motion passed with simple majority	GO TO “Final” subsection → (D)
		<input type="checkbox"/>	XX-XX; Motion failed with simple majority	GO TO “Final” subsection → (C)
Final	(check if applicable)	<input type="checkbox"/>	(A)	withdrawn (counted under h in disposition)
		<input type="checkbox"/>	(B)	not related (counted under i in disposition)
		<input type="checkbox"/>	(C)	related and not persuasive (significant)
		<input checked="" type="checkbox"/>	(D)	not significant (counted under j in disposition)
		<input type="checkbox"/>	(E)	related and persuasive and not addressed by Technical Change DOCUMENT FAILS
		<input type="checkbox"/>	(F)	addressed by Technical Change (counted under k disposition)
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.	

### Negative 6 of Voting Interest Reject 1- Voter Reject 1

Ne gati		*TF/TC Chapter to fill in including text in the ballot if necessary.
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Referenced Section/ Paragraph	<p>7.7.2.1 <i>Data Handshake</i> — Logical Signal set for Data Handshake shall be arranged in <del>e Data Handshake Byte</del> <u>Data Handshake Transfer Bytes (DH T BYTES) and Data Handshake Acknowledge Bytes (DH A BYTES)</u> as shown below. <u>One DH T BYTES and DH A BYTES pair is required for</u> <del>One Data Handshake Byte provides</del> a connection between one <del>set of</del> Data Sender and Data Receiver <u>pair</u>. Two <u>pairs</u> <del>Data Handshake Bytes</del> are required for full duplex operation <u>by with</u> <del>two sets of</del> Data Sender and Data Receiver <u>pairs</u>. <u>Revision number 'DH_REV' is incremented by one when definition is revised.</u></p> <p><b>Table 26 Logical Signal Layout for Data Handshake Transfer Bytes (DH T BYTES)</b></p> <table border="1"> <thead> <tr> <th><u>Byte Name</u></th> <th><u>Byte Order</u></th> <th colspan="8"><u>Bit Map: Type of each bit is BOOL</u></th> <th><u>Note</u></th> </tr> <tr> <th></th> <th></th> <th><u>D7</u></th> <th><u>D6</u></th> <th><u>D5</u></th> <th><u>D4</u></th> <th><u>D3</u></th> <th><u>D2</u></th> <th><u>D1</u></th> <th><u>D0</u></th> <th></th> </tr> </thead> <tbody> <tr> <td><u>DH_REV</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>Revision No.</u></td> </tr> <tr> <td><u>DH_T_SIG</u></td> <td><u>1</u></td> <td><u>DH_RDY</u></td> <td><u>DH_ERR</u></td> <td><u>DH_RST</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>GD_RDY</u></td> <td></td> </tr> </tbody> </table> <p><b>Table 27 Logical Signal Layout for Data Handshake Acknowledge Bytes (DH A BYTES)</b></p> <table border="1"> <thead> <tr> <th><u>Byte Name</u></th> <th><u>Byte Order</u></th> <th colspan="8"><u>Bit Map: Type of each bit is BOOL</u></th> <th><u>Note</u></th> </tr> <tr> <th></th> <th></th> <th><u>D7</u></th> <th><u>D6</u></th> <th><u>D5</u></th> <th><u>D4</u></th> <th><u>D3</u></th> <th><u>D2</u></th> <th><u>D1</u></th> <th><u>D0</u></th> <th></th> </tr> </thead> <tbody> <tr> <td><u>DH_REV</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>Revision No.</u></td> </tr> <tr> <td><u>DH_A_SIG</u></td> <td><u>1</u></td> <td><u>DH_RDY</u></td> <td><u>DH_ERR</u></td> <td><u>DH_RST</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>0</u></td> <td><u>GD_RCV</u></td> <td></td> </tr> </tbody> </table> <p><b>Table 28 Logical Signal Layout for Data Handshake</b></p> <table border="1"> <thead> <tr> <th colspan="8"><u>Data Handshake Byte</u></th> <th><u>Direction<sup>#</sup></u></th> <th><u>Note</u></th> </tr> <tr> <th><u>D7</u></th> <th><u>D6</u></th> <th><u>D5</u></th> <th><u>D4</u></th> <th><u>D3</u></th> <th><u>D2</u></th> <th><u>D1</u></th> <th><u>D0</u></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td><u>DH_RDY</u></td> <td><u>DH_ERR</u></td> <td><u>DH_RST</u></td> <td></td> <td></td> <td></td> <td></td> <td><u>GD_RCV</u></td> <td><u>DS&lt;-DR</u></td> <td></td> </tr> <tr> <td><u>DH_RDY</u></td> <td><u>DH_ERR</u></td> <td><u>DH_RST</u></td> <td></td> <td></td> <td></td> <td><u>GD_RDY</u></td> <td></td> <td><u>DR-&gt;DS</u></td> <td></td> </tr> <tr> <td colspan="4"><u>Status signals</u></td> <td colspan="4"><u>Timing signals</u></td> <td></td> <td></td> </tr> </tbody> </table> <p><sup>#</sup> This column shows a signal direction. DS means Data Sender, DR means Data Receiver.</p>			<u>Byte Name</u>	<u>Byte Order</u>	<u>Bit Map: Type of each bit is BOOL</u>								<u>Note</u>			<u>D7</u>	<u>D6</u>	<u>D5</u>	<u>D4</u>	<u>D3</u>	<u>D2</u>	<u>D1</u>	<u>D0</u>		<u>DH_REV</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>Revision No.</u>	<u>DH_T_SIG</u>	<u>1</u>	<u>DH_RDY</u>	<u>DH_ERR</u>	<u>DH_RST</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>GD_RDY</u>		<u>Byte Name</u>	<u>Byte Order</u>	<u>Bit Map: Type of each bit is BOOL</u>								<u>Note</u>			<u>D7</u>	<u>D6</u>	<u>D5</u>	<u>D4</u>	<u>D3</u>	<u>D2</u>	<u>D1</u>	<u>D0</u>		<u>DH_REV</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>Revision No.</u>	<u>DH_A_SIG</u>	<u>1</u>	<u>DH_RDY</u>	<u>DH_ERR</u>	<u>DH_RST</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>GD_RCV</u>		<u>Data Handshake Byte</u>								<u>Direction<sup>#</sup></u>	<u>Note</u>	<u>D7</u>	<u>D6</u>	<u>D5</u>	<u>D4</u>	<u>D3</u>	<u>D2</u>	<u>D1</u>	<u>D0</u>			<u>DH_RDY</u>	<u>DH_ERR</u>	<u>DH_RST</u>					<u>GD_RCV</u>	<u>DS&lt;-DR</u>		<u>DH_RDY</u>	<u>DH_ERR</u>	<u>DH_RST</u>				<u>GD_RDY</u>		<u>DR-&gt;DS</u>		<u>Status signals</u>				<u>Timing signals</u>						Negative Text	<p><b>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</b></p> <p><b>Section 7.7.2.1 now seems to define 2 Bytes DH. This change breaks compatibility as there had been 1 Byte only before.</b></p> <p><b>In addition, the proposed change does not allow for e.g. hardwired implementation of the handshake as now the GD_RDY and GD_RCV both use D0. This is an undesired additional restriction of the possible implementations</b></p>		
	<u>Byte Name</u>	<u>Byte Order</u>	<u>Bit Map: Type of each bit is BOOL</u>								<u>Note</u>																																																																																																																																						
			<u>D7</u>	<u>D6</u>	<u>D5</u>	<u>D4</u>	<u>D3</u>	<u>D2</u>	<u>D1</u>	<u>D0</u>																																																																																																																																							
<u>DH_REV</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>Revision No.</u>																																																																																																																																							
<u>DH_T_SIG</u>	<u>1</u>	<u>DH_RDY</u>	<u>DH_ERR</u>	<u>DH_RST</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>GD_RDY</u>																																																																																																																																								
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<u>DH_REV</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>Revision No.</u>																																																																																																																																							
<u>DH_A_SIG</u>	<u>1</u>	<u>DH_RDY</u>	<u>DH_ERR</u>	<u>DH_RST</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>GD_RCV</u>																																																																																																																																								
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Withdrawal (check one)			<table border="1"> <tr> <td>X</td> <td>No Negative withdrawal made by Voter.</td> <td>GO TO "Related" subsection</td> </tr> <tr> <td></td> <td>Withdrawal document received by Standards staff on MM/DD/YYYY.</td> <td>GO TO "Final" subsection → (A)</td> </tr> </table>			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)																																																																																																																																						
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Related	Motion and Reason (check one)		<table border="1"> <tr> <td>X</td> <td>'Related' is mutually agreed upon. (Needs no Motion.)</td> <td>GO TO "Persuasive" subsection</td> </tr> <tr> <td></td> <td>Negative is not related. (Needs ≥2/3 votes to pass.)</td> <td></td> </tr> <tr> <td></td> <td>Reason</td> <td>XXX</td> </tr> </table>			X	'Related' is mutually agreed upon. (Needs no Motion.)	GO TO "Persuasive" subsection		Negative is not related. (Needs ≥2/3 votes to pass.)			Reason	XXX																																																																																																																																			
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	Motion by/2nd by		Name (Company)/Name (Company)																																																																																																																																														
Discussion																																																																																																																																																	
Result of Vote (check one)		<table border="1"> <tr> <td></td> <td>XX-XX; Motion passed/failed.</td> <td></td> </tr> <tr> <td></td> <td>[Negative is not related.] &lt;2/3</td> <td>GO TO "Persuasive" subsection</td> </tr> <tr> <td></td> <td>2/3≤ [Negative is not related.]</td> <td>GO TO "Final" subsection → (B)</td> </tr> </table>				XX-XX; Motion passed/failed.			[Negative is not related.] <2/3	GO TO "Persuasive" subsection		2/3≤ [Negative is not related.]	GO TO "Final" subsection → (B)																																																																																																																																				
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	2/3≤ [Negative is not related.]	GO TO "Final" subsection → (B)																																																																																																																																															

Persuasive	Motion and Reason (check one)		Negative is related and persuasive. (Needs >1/3 votes to pass.)			
		X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
			Reason	1. The addition of "Revision No." is significant to improve compatibility management for implementation in the future. TF decided that a change that breaks compatibility is necessary for improvements.  2. Assignment of both GD_RDY and GD_RCV on D0 still allows hardwire implementation as they are assigned to different addresses and are different in direction; one is an input, the other is an output and they can even share the same bit of the same address.		
	Motion by/2nd by	Katsuyoshi Takahashi (Mitsubishi Electric) / Takashi Nakagawa (Yokogawa Solution Service)				
	Discussion	None.				
	Result of Vote (check one)	8-0; Motion passed.				
			[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended	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)		
X		90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection			
Address by Technical Change Option	Technical Change Recommended by the TF					
	Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.					
	Technical Change	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.			
	Motion by/2nd by		Name (Company)/Name (Company)			
Discussion						
		XX-XX; Motion passed/failed.				

	Result of Vote one (check one)	<input type="checkbox"/>	2/3 ≤ [Negative is addressed by the Technical Change.]	GO TO “Incorporation of the Technical Change” subsection		
		<input type="checkbox"/>	[Negative is not addressed by the Technical Change.] < 2/3	GO TO “Final” subsection → (E)		
	Incorporation of the Technical Change	Motion	To incorporate the Technical Change.			
		Motion by/2nd by	Name (Company)/Name (Company)			
		Discussion				
		Result of Vote (check one)	XX-XX; 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 only be used “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 ¶ 9.6.4.4.2)					
	Use of “Not significant finding option” (check one)	<input checked="" 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/2nd by	Name (Company)/Name (Company)				
	Vote	<input type="checkbox"/>	XX-XX; Motion passed with simple majority	GO TO “Final” subsection → (D)		
		<input type="checkbox"/>	XX-XX; Motion failed with simple majority	GO TO “Final” subsection → (C)		
Final	(check if applicable)	<input type="checkbox"/>	(A)	withdrawn (counted under h in disposition)		
		<input type="checkbox"/>	(B)	not related (counted under i in disposition)		
		<input type="checkbox"/>	(C)	related and not persuasive (significant)		
		<input checked="" type="checkbox"/>	(D)	not significant (counted under j in disposition)		
		<input type="checkbox"/>	(E)	related and persuasive and not addressed by Technical Change	DOCUMENT FAILS	
		<input type="checkbox"/>	(F)	addressed by Technical Change (counted under k disposition)		
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.			

### Disposition of Voting Interest Reject 1

6	Original number of Negatives	(g)
0	# of Negatives withdrawn	(h)
0	# of Negatives found not related	(i)
5	# of Negatives found not significant	(j)
1	# of Negatives addressed by Technical Change (Negative becomes not significant)	(k)

Final	X	$g - (h + i + j + k) = 0$	Reject <b>is Not Valid and is not</b> included in the denominator of § VII. <i>Approval Conditions Check</i>
		$g - (h + i + j + k) > 0$	Reject <b>is</b> included in the denominator of § VII. <i>Approval Conditions Check</i>
		Reject without a Negative	<b>Not Valid</b>

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

There are no Other Technical Issues on Line Item 2 of #6329.

## V. Comments

### V- (i) Voters' Comments

Commenter 1 (**Jan Altiveros / Tesec Inc.**) - Comment 1

Comment	*TF/TC Chapter to fill in, if necessary.		
	Data 'Brock' corrected to 'Block'		
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 in <u>§ VI. Summary of Editorial Changes</u> .
			Case 2: Voted in this section :
			Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial	1	FROM: Section/Paragraph xxx	
		TO: Section/Paragraph xxx	

2	Justification (If necessary)	
	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-XX; Motion passed/failed.

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

There is no Comments Created by handling Negative on Line Item 2 of #6329.

## VI. Editorial Changes other than those dealt with in Section V.

**Note:** Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.

1	Origin of this editorial change (Check one)	<input checked="" type="checkbox"/> X	Hoffmann, Christian / The statement "Identifiers which manages addressing..." is unclear as it mixes singular and plural in addition.
		<input type="checkbox"/>	Other [ ]
	FROM: Section/Paragraph Table 3 General Data Format (G_DATA) Identifiers which manages addressing of the message.		
	TO: Section/Paragraph Table 3 General Data Format (G_DATA) Identifiers which manages addressing of the message.		
	Justification: (If necessary)		
2	Origin of this editorial change (Check one)	<input type="checkbox"/>	Commenter(s) / Comment(s) #
		<input type="checkbox"/>	Other [ ]
	FROM: Section/Paragraph XXX		
	TO: Section/Paragraph XXX		
	Justification: (If necessary)		
Motion		To approve the above editorial change(s).	
Motion by/2nd by		Katsuyoshi Takahashi (Mitsubishi Electric) / Takashi Nakagawa (Yokogawa Solution Service)	
Discussion		None.	
Vote		8-0; 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 ¶ 9.7.1.2*)

**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	=	49	/	49	=	100.0%		>=90%	

### VII-(ii). Approval Level (check one)

See § 9.7.2 of the *Regulations* for further information

☐

Line Item 2 meets the Letter Ballot Approval Conditions for the global technical committee

☒

Line Item 2 meets the Letter Ballot Approval Conditions for the TC Chapter and a Ratification Ballot will be issued to verify Technical Changes

## Line Item 3 Adjudication

### II. Tally (Standards staff to fill in)

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

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 :

Voting Interest:	Returned Votes		Distribution		Return Rate	
Letter Ballot	67	÷	103	=	65.0%	>=60%
Intercommittee Ballot	34					
Voting Interest Reject(s)	1		Total Voters with Rejects			1
Voting Interest Accept(s)	50					

### III. Rejects

#### Voting Interest Reject 1 (Voting Interest Name: PEER Group GmbH)

#### Voting Interest Reject 1- Voter Reject 1 (Voter: Hoffmann, Christian / PEER Group GmbH)

#### Negative 1 of Voting Interest Reject 1- Voter Reject 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in including text in the ballot if necessary.	
		<#23> 7.1.1 Definition of VC — VC is a communication between the host and equipment. General Data transfer part of this Standard may be used for VC.	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. 1. The wording of change #23 is unclear as it leaves too much room for interpretation and misinterpretation. 2. Is the intent to state that parts of the data communicated as General Data may be also used for VC?	
TF input (optional)			
Withdrawal (check one)		<input checked="" type="checkbox"/> 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				
	Motion by/2nd by	Name () /Name (Company)				
	Discussion					
Related	Result of Vote (check one)	XX-XX; Motion passed/failed.				
			[Negative is not related.] <2/3		GO TO “Persuasive” subsection	
			2/3≤ [Negative is not related.]		GO TO “Final” subsection → (B)	
Persuasive	Motion and Reason (check one)		Negative is related and persuasive. (Needs >1/3 votes to pass.)			
		X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)			
			Reason	1. No logical reason is given. 2. Question is not appropriate for negative. “General Data transfer part of this Standard” means the mechanism to transfer General Data. It cannot be understood as “parts of the data communicated” by English grammar.		
	Motion by/2nd by	Katsuyoshi Takahashi (Mitsubishi Electric) / Takeo Yamaki (Yokogawa Solution Service)				
	Discussion	None.				
	Result of Vote (check one)	8-0; Motion passed.				
			[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended	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)		
		X	90% ≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection		
Address by Technical Change Option	Technical Change Recommended by the TF					
	Note: Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.					
	Technical Change	1	FROM: Section/Paragraph XXX			
			TO: Section/Paragraph xxx			
		Justification (If necessary)				



	2	FROM: Section/Paragraph <b>XXX</b>			
		TO: Section/Paragraph <b>xxx</b>			
		Justification (If necessary)			
	Motion		Negative is addressed by the Technical Change.		
	Motion by/2nd by		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check one)		XX-XX; Motion passed/failed.		
			<input type="checkbox"/> 2/3 ≤ [Negative is addressed by the Technical Change.]	GO TO "Incorporation of the Technical Change" subsection	
			<input type="checkbox"/> [Negative is not addressed by the Technical Change.] < 2/3	GO TO "Final" subsection → (E)	
	Incorporation of the Technical Change	Motion		To incorporate the Technical Change.	
Motion by/2nd by		Name (Company)/Name (Company)			
Discussion					
Result of Vote (check one)		XX-XX; 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 only be used "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 ¶ 9.6.4.4.2)				
	Use of "Not significant finding option" (check one)	<input checked="" 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/2nd by		Name (Company)/Name (Company)		
	Vote	<input type="checkbox"/>	XX-XX; Motion passed with simple majority	GO TO "Final" subsection → (D)	
<input type="checkbox"/>		XX-XX; Motion failed with simple majority	GO TO "Final" subsection → (C)		
Final	(check if applicable)	<input type="checkbox"/>	(A)	withdrawn (counted under h in disposition)	
		<input type="checkbox"/>	(B)	not related (counted under i in disposition)	
		<input type="checkbox"/>	(C)	related and not persuasive (significant)	
		<input checked="" type="checkbox"/>	(D)	not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E)	related and persuasive and not addressed by Technical Change	DOCUMENT FAILS
		<input type="checkbox"/>	(F)	addressed by Technical Change (counted under k disposition)	

	(check if applicable)	Comment generated. See Section V-(ii) Comment # X.
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## Negative 2 of Voting Interest Reject 1- Voter Reject 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in including text in the ballot if necessary.	
		<div style="text-align: center;"> <p>&lt;#23&gt; Delete &lt;/#23&gt;</p> <p>&lt;#23&gt; Add &lt;/#23&gt;</p> <p>VC: Vertical Communication HC: Horizontal Communication</p> </div>	
	Negative Text	<p>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</p> <p>In the graphics then the reader of the document gets the misleading impression as if ONLY GD content may be used for VC, which is incorrect. The VC includes the (mainly) details defined in SEMI PV02. GD content may be accompanied to VC data.</p>	
	TF input (optional)		
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	
	Motion by/2nd by	Name (Company)/Name (Company)	
	Discussion		
	Result of Vote (check one)	XX-XX; Motion passed/failed.	
<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)	

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	GD (General Data) defined in this Standard may contain whatever data to be communicated asynchronously with material handoff (such as the data defined in SEMI PV02 though SEMI PV02 is not directly related to this Standard).		
	Motion by/2nd by	Katsuyoshi Takahashi (Mitsubishi Electric) / Takashi Nakagawa (Yokogawa Solution Service)			
	Discussion	None,			
	Result of Vote (check one)	8-0; Motion passed.			
		[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended	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)		
X		90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection		
Address by Technical Change Option	Technical Change Recommended by the TF				
	Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.				
	Technical Change	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.		
	Motion by/2nd by		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check one)		2/3 ≤ [Negative is addressed by the Technical Change.]	GO TO "Incorporation of the Technical Change" subsection	
			[Negative is not addressed by the Technical Change.] < 2/3	GO TO "Final" subsection → (E)	
	Incorporation	Motion		To incorporate the Technical Change.	
Motion by/2nd by		Name (Company)/Name (Company)			

		Discussion			
		Result of Vote (check one)	XX-XX; 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 only be used “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 ¶ 9.6.4.4.2)				
	Use of “Not significant finding option” (check one)	<input checked="" 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/2nd by	Name (Company)/Name (Company)			
	Vote	<input type="checkbox"/>	XX-XX; Motion passed with simple majority	GO TO “Final” subsection → (D)	
<input type="checkbox"/>		XX-XX; Motion failed with simple majority	GO TO “Final” subsection → (C)		
Final	(check if applicable)	<input type="checkbox"/>	(A)	withdrawn (counted under h in disposition)	
		<input type="checkbox"/>	(B)	not related (counted under i in disposition)	
		<input type="checkbox"/>	(C)	related and not persuasive (significant)	
		<input checked="" type="checkbox"/>	(D)	not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E)	related and persuasive and not addressed by Technical Change	DOCUMENT FAILS
		<input type="checkbox"/>	(F)	addressed by Technical Change (counted under k disposition)	
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.		

### Negative 3 of Voting Interest Reject 1- Voter Reject 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in including text in the ballot if necessary.  <i>Informational structure of TC</i> — This section defines an informational structure of TC. <i>One TC Line</i> consists of one Information channel and the same number of Track Information channel(s) with the number of line has. </#24><#23> Note that Track Information channel is not required for VC application. </#23>	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. The Note added to 7.2. is superfluous and misleading. The standard document shall NOT prevent the user from using any information element in any communication:	
TF input (optional)			
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				
	Motion by/2nd by	Name (Company)/Name (Company)					
	Discussion						
	Result of Vote (check one)	XX-XX; Motion passed/failed.					
		<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)	
		<input type="checkbox"/>					
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	<p>There is NO Material Handoff action between the host and equipment as the host is NOT a production equipment. Track Information defined in this Standard is for Material Handoff and is not required for the host connection.</p> <p>There is no restriction to contain “data of material” in GD for VC. Any data can be contained in VC. But, Track Information channel is not used on VC, because VC does not have material flow.</p>			
	Motion by/2nd by	Katsuyoshi Takahashi (Mitsubishi Electric) / Hiroyuki Ao (FUJI)					
	Discussion	None.					
	Result of Vote (check one)	8-0; Motion passed.					
		<input type="checkbox"/>	[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended	Y	GO TO “Address by Technical Change Option” subsection	
		<input type="checkbox"/>	[Negative is related and not persuasive.] <2/3	?	N	GO TO “Final” subsection → (E)	
		<input type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] <90%	GO TO “Final” subsection → (C)			
		<input checked="" type="checkbox"/>	90% ≤ [Negative is related and not persuasive.]	GO TO “Not Significant Finding Option” subsection			
Address by Technical Change Option	Technical Change Recommended by the TF						
	Note: Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.						
	Technical Change	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.		
	Motion by/2nd by		Name (Company)/Name (Company)		
	Discussion				
	Result of Vote (check one)		XX-XX; Motion passed/failed.		
			<input type="checkbox"/> 2/3 ≤ [Negative is addressed by the Technical Change.]	GO TO "Incorporation of the Technical Change" subsection	
			<input type="checkbox"/> [Negative is not addressed by the Technical Change.] < 2/3	GO TO "Final" subsection → (E)	
	Incorporation of the Technical Change	Motion		To incorporate the Technical Change.	
Motion by/2nd by		Name (Company)/Name (Company)			
Discussion					
Result of Vote (check one)		XX-XX; 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 only be used "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 ¶ 9.6.4.4.2)				
	Use of "Not significant finding option" (check one)	<input checked="" 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/2nd by		Name (Company)/Name (Company)		
	Vote	<input type="checkbox"/>	XX-XX; Motion passed with simple majority	GO TO "Final" subsection → (D)	
<input type="checkbox"/>		XX-XX; Motion failed with simple majority	GO TO "Final" subsection → (C)		
Final	(check if applicable)	<input type="checkbox"/>	(A)	withdrawn (counted under h in disposition)	
		<input type="checkbox"/>	(B)	not related (counted under i in disposition)	
		<input type="checkbox"/>	(C)	related and not persuasive (significant)	
		<input checked="" type="checkbox"/>	(D)	not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E)	related and persuasive and not addressed by Technical Change	DOCUMENT FAILS
		<input type="checkbox"/>	(F)	addressed by Technical Change (counted under k disposition)	

	(check if applicable)	Comment generated. See Section V-(ii) Comment # X.
--	-----------------------	--

## Disposition of Voting Interest Reject 1

3	Original number of Negatives	(g)	
0	# of Negatives withdrawn	(h)	
0	# of Negatives found not related	(i)	
3	# of Negatives found not significant	(j)	
0	# of Negatives addressed by Technical Change (Negative becomes not significant)	(k)	
Final	X	$g - (h + i + j + k) = 0$	Reject <b>is Not Valid and is not</b> included in the denominator of § VII. <i>Approval Conditions Check</i>
		$g - (h + i + j + k) > 0$	Reject <b>is</b> included in the denominator of § VII. <i>Approval Conditions Check</i>
		Reject without a Negative	<b>Not Valid</b>

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

There are no Other Technical Issues on Line Item 3 of #6329.

## V. Comments

There is no Comments on Line Item 3 of #6239.

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

There is no Comments Created by handling Negative on Line Item 3 of #6329.

## VI. Editorial Changes other than those dealt with in Section V.

There are no Editorial Changes Other than those dealt with in Section V on Line Item 3 of #6329.

## 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	=	50	/	50	=	100.0%	>=90%

## VII-(ii). Approval Level (check one)

See § 9.7.2 of the *Regulations* for further information

- ☒ Line Item 3 meets the Letter Ballot Approval Conditions for the global technical committee
- ☐ Line Item 3 meets the Letter Ballot Approval Conditions for the TC Chapter and a Ratification Ballot will be issued to verify Technical Changes

## Line Item 4 Adjudication

## II. Tally (Standards staff to fill in)

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

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 :

Voting Interest:	Returned Votes		Distribution		Return Rate	
Letter Ballot	67	÷	103	=	65.0%	>=60%
Intercommittee Ballot	34					
Voting Interest Reject(s)	1		Total Voters with Rejects			1
Voting Interest Accept(s)	51					



### III. Rejects

#### Voting Interest Reject 1 (Voting Interest Name: PEER Group GmbH)

#### Voting Interest Reject 1- Voter Reject 1 (Voter: Hoffmann, Christian / PEER Group GmbH)

#### Negative 1 of Voting Interest Reject 1- Voter Reject 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in including text in the ballot if necessary.									
	Negative Text	<p>*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.</p> <p>What are the changes the cells of table 2 shown in the capture? The stroke-out text is identical to the text to be added.</p>									
TF input (optional)											
	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								
	Motion by/2nd by	Name (Company)/Name (Company)									
	Discussion										
	Result of Vote (check one)	<input type="checkbox"/>	XX-XX; Motion passed/failed.								
<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)		
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		This line item is correcting positions of #6 that were wrong. For better visibility, whole part is replaced not to miss the change of small characters.						
	Motion by/2nd by	Katsuyoshi Takahashi (Mitsubishi Electric) / Hiroyuki Ao (FUJI)									
	Discussion	None.									
	8-0; Motion passed.										

	Result of Vote (check one)	<input type="checkbox"/>	[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended? (Y/N)	Y	GO TO "Address by Technical Change Option" subsection				
		<input type="checkbox"/>	[Negative is related and not persuasive.] <2/3		N	GO TO "Final" subsection → (E)				
		<input type="checkbox"/>	2/3 ≤ [Negative is related and not persuasive.] <90%	GO TO "Final" subsection → (C)						
		<input checked="" type="checkbox"/>	90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection						
Address by Technical Change Option	Technical Change Recommended by the TF									
	Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.									
	Technical Change	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.							
	Motion by/2nd by		Name (Company)/Name (Company)							
	Discussion									
	Result of Vote (check one)		XX-XX; Motion passed/failed.							
			<input type="checkbox"/>	2/3 ≤ [Negative is addressed by the Technical Change.]	GO TO "Incorporation of the Technical Change" subsection					
			<input type="checkbox"/>	[Negative is not addressed by the Technical Change.] < 2/3	GO TO "Final" subsection → (E)					
	Incorporation of the Technical Change	Motion		To incorporate the Technical Change.						
		Motion by/2nd by		Name (Company)/Name (Company)						
		Discussion								
		Result of Vote (check one)	XX-XX; 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	This option can only be used "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 ¶ 9.6.4.4.2)									
		<input checked="" type="checkbox"/>	It is mutually agreed upon to term the Negative "not significant".			GO TO "Final" subsection → (D)				

	Use of “Not significant finding option” (check one)	<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/2nd by	Name (Company)/Name (Company)			
	Vote	<input type="checkbox"/>	XX-XX; Motion passed with simple majority	GO TO “Final” subsection → (D)	
		<input type="checkbox"/>	XX-XX; Motion failed with simple majority	GO TO “Final” subsection → (C)	
Final	(check if applicable)	<input type="checkbox"/>	(A)	withdrawn (counted under h in disposition)	
		<input type="checkbox"/>	(B)	not related (counted under i in disposition)	
		<input type="checkbox"/>	(C)	related and not persuasive (significant)	
		<input checked="" type="checkbox"/>	(D)	not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E)	related and persuasive and not addressed by Technical Change	DOCUMENT FAILS
		<input type="checkbox"/>	(F)	addressed by Technical Change (counted under k disposition)	
	(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.		

### Negative 2 of Voting Interest Reject 1- Voter Reject 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in including text in the ballot if necessary.		
		<#24> 7.2 Informational Structure of HC — This section defines an informational structure of HC. One HC Line consists of one Line Information channel and the same number of Track Information channel(s) with the number of Tracks the line has. </#24> <#23> Note that Track Information channel is not required for VC application. </#23> <#24>		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Is the limitation to just ONE Line Information still valid as there may be more than one route through the production floor? I.e., the Line Information had been “invented” for the use case of mechanically linked equipment instances. Now, there is no such restriction to mechanically linked equipment any longer, the product takes dynamic routes through the production floor. What is the meaning then for any of the signals in the line information? Is this then limited to a particular product route?		
	TF input (optional)			
	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 type="checkbox"/>	‘Related’ is mutually agreed upon. (Needs no Motion.)	GO TO “Persuasive” subsection
		<input checked="" type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)	

			Reason	<p>The scope of this Standard is the communication between adjacent equipment mechanically coupled with Material Handoff means.</p> <p>This reject is addressing the case "Not mechanically linked" with "Dynamic routing" which is out of the scope of this Standard and not related.</p> <p>Dynamic routing thorough mechanically coupled equipment is in scope and covered.</p>														
	Motion by/2nd by	Katsuyoshi Takahashi (Mitsubishi Electric) / Hiroyuki Ao (FUJI)																
	Discussion	None.																
	Result of Vote (check one)	<p>8-0; Motion passed.</p> <table border="1"> <tr> <td><input type="checkbox"/></td> <td>[Negative is not related.] &lt;2/3</td> <td colspan="4">GO TO "Persuasive" subsection</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>2/3≤ [Negative is not related.]</td> <td colspan="4">GO TO "Final" subsection → (B)</td> </tr> </table>						<input type="checkbox"/>	[Negative is not related.] <2/3	GO TO "Persuasive" subsection				<input checked="" type="checkbox"/>	2/3≤ [Negative is not related.]	GO TO "Final" subsection → (B)		
<input type="checkbox"/>	[Negative is not related.] <2/3	GO TO "Persuasive" subsection																
<input checked="" type="checkbox"/>	2/3≤ [Negative is not related.]	GO TO "Final" subsection → (B)																
Persuasive	Motion and Reason (check one)	<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															
	Motion by/2nd by	Name (Company)/Name (Company)																
	Discussion																	
	Result of Vote (check one)	XX-XX; Motion passed/failed.																
		<input type="checkbox"/>	[Negative is related and persuasive.] >1/3	Is a Technical Change Recommended?	Y	GO TO "Address by Technical Change Option" subsection												
<input type="checkbox"/>		[Negative is related and not persuasive.] <2/3	?	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																
Address by Technical Change Option	<p><b>Technical Change Recommended by the TF</b></p> <p><b>Note: Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.</b></p>																	
	Technical Change	1	FROM: Section/Paragraph XXX															
			TO: Section/Paragraph xxx															
			Justification (If necessary)															
	2	FROM: Section/Paragraph XXX																

		TO: Section/Paragraph <b>xxx</b>		
		Justification (If necessary)		
Motion		Negative is addressed by the Technical Change.		
Motion by/2nd by		Name (Company)/Name (Company)		
Discussion				
Result of Vote (check one)		XX-XX; Motion passed/failed.		
		<input type="checkbox"/> 2/3 ≤ [Negative is addressed by the Technical Change.]	GO TO "Incorporation of the Technical Change" subsection	
		<input type="checkbox"/> [Negative is not addressed by the Technical Change.] < 2/3	GO TO "Final" subsection → (E)	
Incorporation of the Technical Change	Motion	To incorporate the Technical Change.		
	Motion by/2nd by	Name (Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	XX-XX; 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 only be used "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 ¶ 9.6.4.4.2)			
	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/2nd by	Name (Company)/Name (Company)		
	Vote	<input type="checkbox"/> XX-XX; Motion passed with simple majority	GO TO "Final" subsection → (D)	
		<input type="checkbox"/> XX-XX; Motion failed with simple majority	GO TO "Final" subsection → (C)	
Final	(check if applicable)	<input type="checkbox"/> (A)	withdrawn (counted under <b>h</b> in disposition)	
		<input checked="" type="checkbox"/> (B)	not related (counted under <b>i</b> in disposition)	
		<input type="checkbox"/> (C)	related and not persuasive (significant)	
		<input type="checkbox"/> (D)	not significant (counted under <b>j</b> 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 <b>k</b> disposition)	
	(check if applicable)	Comment generated. See Section V-(ii) Comment # X.		

## Disposition of Voting Interest Reject 1

2	Original number of Negatives	(g)	
0	# of Negatives withdrawn	(h)	
1	# of Negatives found not related	(i)	
1	# of Negatives found not significant	(j)	
0	# of Negatives addressed by Technical Change (Negative becomes not significant)	(k)	
Final	X	$g - (h + i + j + k) = 0$	Reject <b>is Not Valid</b> and <b>is not</b> included in the denominator of § VII. <i>Approval Conditions Check</i>
		$g - (h + i + j + k) > 0$	Reject <b>is</b> included in the denominator of § VII. <i>Approval Conditions Check</i>
		Reject without a Negative	<b>Not Valid</b>

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

There are no Other Technical Issues on Line Item 4 of #6329.

## V. Comments

There is no Comments Created by handling Negative on Line Item 4 of #6329.

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

There is no Comments Created by handling Negative on Line Item 4 of #6329.

## VI. Editorial Changes other than those dealt with in Section V.

There are no Editorial Changes Other than those dealt with in Section V on Line Item 4 of #6329.

## 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	=	51	/	51	=	100.0%	>=90%

**VII-(ii). Approval Level (check one)**

See § 9.7.2 of the *Regulations* for further information

- ☒ **Line Item 4 meets the Letter Ballot Approval Conditions for the global technical committee**
- ☐ **Line Item 4 meets the Letter Ballot Approval Conditions for the TC Chapter and a Ratification Ballot will be issued to verify Technical Changes**

## Checks for Entire Document Including All Approved Line Items

### VIII. Safety Check

**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		Katsuyoshi Takahashi (Mitsubishi Electric) / Hiroyuki Ao (Fuji)
Discussion		None,
Vote		8-0; 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.**

Approved Line Items See § 10 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 are known.		GO TO SECTION X
		Potentially material patented technology or reproduction of copyrighted items are known, but a Letter of Assurance (LOA) or copyright release letter for such items has been obtained or presented to the TC Chapter.		GO TO SECTION X
		Potentially material patented technology or reproduction of copyrighted items are known and use of such materials is technically justified by the TC Chapter, but an LOA or copyright release letter for some of the item(s) has NOT been obtained or presented to the TC Chapter.		
	MOTION		Ask ISC for special permission to publish.	
			Quit activity.	
			Wait for LOA for patented technology or release of copyrighted items.	
	Motion by/2 <sup>nd</sup> by		Name (Company)/Name (Company)	
	Discussion		XXXX	
	Vote		XX-XX	
Final Action		Motion Passed		
		Motion Failed		

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



## X. Action for this document

<b>Motion</b> (Check all applicable items)	<input checked="" type="checkbox"/>	Line item(s) 1, 3 and 4 passed TC Chapter review as balloted and will be forwarded to the A&R 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 A&R for procedural review.
	<input checked="" type="checkbox"/>	Line item(s) 2 passed TC Chapter review with Technical Changes and with or without editorial changes and will be forwarded to the 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 task force 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>		Katsuyoshi Takahashi (Mitsubishi Electric) / Hiroyuki Ao (FUJI)
<b>Discussion</b>		None.
<b>Vote</b>		8-0
<b>Final Action</b>	<input checked="" type="checkbox"/>	Motion passed
	<input type="checkbox"/>	Motion failed

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

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