

Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: **Taiwan**
 Global Technical Committee: **I&C**
 TC Chapter Cochairs: **Scott Yu/TSMC**
 Standards Staff: **Cher Wu**

	Scheduled in Background Statement	Actual
Date	07/30/2021	07/30/2021
Location	SEMI Taiwan	SEMI Taiwan
Reason for Change of Date and/or Location (if changed)		

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

I. Document Number and Title

Document Number 6506C	Document Title NEW STANDARD: SPECIFICATION FOR CYBERSECURITY OF FAB EQUIPMENT
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II. Tally

Standards staff to fill in.

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

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

Voting Tally (with example values):

Voting Interest:	Returned Votes		Distribution		Return Rate	
Letter Ballot	91	÷	150	=	60.7%	≥60%
Intercommittee Ballot	26					
Voting Interest Reject(s)	3		Total Voters with Rejects		3	
Voting Interest Accept(s)	52					

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: **AMAT**)

Voter Reject 1 (Voter: **Dunne, Dave and AMAT**)

Negative 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>For [E<6506> RQ 00001 00], It is possible that end user will require that an OS that is not supported by the OS vendor still be shipped on new equipment. For example the end user may have 'copy exact' or 'golden version' reasons for requesting an EOL OS.</p> <p>In this case, E<6506> RQ 00001 00 cannot be met by the equipment supplier the standard should be modified to allow for such end user requests.</p>	
TF input (optional)		Negative voter understood our intention, so he withdraw.	
Withdrawal (check one)	<input type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection
	<input checked="" type="checkbox"/>	Withdrawal document received by Standards staff on 07/09/2021.	GO TO "Final" subsection → (A)
Final	(check if applicable)	<input checked="" type="checkbox"/> (A)	Withdrawn (counted under h in disposition)
		<input type="checkbox"/> (B)	Not related (counted under i in disposition)
		<input type="checkbox"/> (C)	Related and not persuasive (significant)
		<input type="checkbox"/> (D)	Not significant (counted under j in disposition)
		<input type="checkbox"/> (E)	Related and persuasive and not addressed by technical change
	<input type="checkbox"/> (F)	Addressed by technical change (counted under k disposition)	
(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.	

This table is needed for each Negative.

Disposition of Voting Interest Reject 1

Check only when the Document has not been failed.

1	Original number (#) of Negatives	(g)	
1	Number of Negatives withdrawn	(h)	
#	Number of Negatives found not related	(i)	
#	Number of Negatives found not significant	(j)	
#	Number of Negatives addressed by technical change (Negative becomes not significant)	(k)	
Final	<input checked="" type="checkbox"/>	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check
	<input type="checkbox"/>	$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
	<input type="checkbox"/>	Reject without a Negative	Not Valid

**Voting Interest Reject 2 (Voting Interest Name: HitachiLtd)
Voter Reject 1 (Voter: Toyoshima, Yuko and HitachiLtd)**

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. Scope Unix Like is an ambiguous definition.	
TF input (optional)		TW TF propose to replace wording "Unix-like" to "Linux" by Ratification Ballot, and the voter agree it.	
Withdrawal (check one)	<input type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection
	<input checked="" type="checkbox"/>	Withdrawal document received by Standards staff on 07/30/2021.	GO TO "Final" subsection → (A)
Final	(check if applicable)	<input checked="" type="checkbox"/>	(A) Withdrawn (counted under h in disposition)
		<input type="checkbox"/>	(B) Not related (counted under i in disposition)
		<input type="checkbox"/>	(C) Related and not persuasive (significant)
		<input type="checkbox"/>	(D) Not significant (counted under j in disposition)
		<input type="checkbox"/>	(E) Related and persuasive and not addressed by technical change
	<input type="checkbox"/>	(F) Addressed by technical change (counted under k disposition)	
(check if applicable)	<input type="checkbox"/>	Comment generated. See Section V-(ii) Comment # X.	

This table is needed for each Negative.

Negative 2

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.	
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. 7.2 The description of older generation equipments is ambiguous. 'ship' is not defined.	
TF input (optional)			
Withdrawal (check one)	<input type="checkbox"/>	No Negative withdrawal made by Voter.	GO TO "Related" subsection
	<input checked="" type="checkbox"/>	Withdrawal document received by Standards staff on 07/30/2021.	GO TO "Final" subsection → (A)
Final	(check if applicable)	<input checked="" type="checkbox"/>	(A) Withdrawn (counted under h in disposition)
		<input type="checkbox"/>	(B) Not related (counted under i in disposition)
		<input type="checkbox"/>	(C) Related and not persuasive (significant)
		<input type="checkbox"/>	(D) Not significant (counted under j in disposition)

		(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.		

This table is needed for each Negative.

Disposition of Voting Interest Reject 2

Check only when the Document has not been failed.

2	Original number (#) of Negatives	(g)	
2	Number of Negatives withdrawn	(h)	
#	Number of Negatives found not related	(i)	
#	Number of Negatives found not significant	(j)	
#	Number of Negatives addressed by technical change (Negative becomes not significant)	(k)	
Final	x	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check
		$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check
		Reject without a Negative	Not Valid

Voting Interest Reject 3 (Voting Interest Name: KKR)

Voter Reject 1 (Voter: Matsuda, Mitsuhiro and KKR)

Negative 1

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
		Referenced Section/ Paragraph: ¶2.3		
Negative	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. I think "Windows" is not proper word for your intention. Windows means a windowing system. For example, X Window System can be called by Windows. I think proper wording is "Microsoft Windows". I believe you can address this by editorial change.		
	TF input (optional)	The voter accept TW TF to change wording to "Microsoft Windows" at future update.		
Withdrawal (check one)		No Negative withdrawal made by Voter.	GO TO "Related" subsection	
	x	Withdrawal document received by Standards staff on 07/26/2021.	GO TO "Final" subsection → (A)	
Final	(check if applicable)	x	(A)	Withdrawn (counted under h in disposition)
			(B)	Not related (counted under i in disposition)
			(C)	Related and not persuasive (significant)
			(D)	Not significant (counted under j in disposition)

		(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		(F)	Addressed by technical change (counted under k disposition)	
(check if applicable)		Comment generated. See Section V-(ii) Comment # X.		

This table is needed for each Negative.

Negative 2

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. Referenced Section/ Paragraph: ¶2.3		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. I think "UNIX-like" is vague word. I find it at Wikipedia and other sources, but no common definition does not exist. I think we need to define "Unix-like" at ¶5.2 Definitions.		
TF input (optional)		TW TF agree to replace wording "Unix-like" to "Linux" by Ratification ballot.		
Withdrawal (check one)	<input checked="" type="checkbox"/>	No Negative withdrawal made by Voter.		GO TO "Related" subsection
	<input type="checkbox"/>	Withdrawal document received by Standards staff on MM/DD/YYYY.		GO TO "Final" subsection → (A)
Related	Motion and Reason (check one)	<input checked="" type="checkbox"/>	'Related' is mutually agreed upon. (Needs no motion.) GO TO "Persuasive" subsection	
		<input type="checkbox"/>	Negative is not related. (Needs ≥2/3 votes to pass.)	
		Reason	XXXX	
	Motion by/ 2 nd by	(Company)/Name (Company)		
	Discussion			
	Result of Vote (check one)	<input type="checkbox"/>	[Negative is not related.] < 2/3	
<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.)	
		Reason	XXXX	
	Motion by/ 2 nd by	David Chiu (Atotech)/Karen Chang (Egis)		
	Discussion			
	22 Y-0 N; Motion passed.			

Result of Vote (check one)	X	[Negative is related and persuasive.] > 1/3	Is a technical change recommended? (check one)	X	Y	GO TO "Address by Technical Change Option" subsection
		[Negative is related and not persuasive.] < 2/3			N	GO TO "Final" subsection → (E)
		2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" subsection → (C)			
		90% ≤ [Negative is related and not persuasive.]	GO TO "Not Significant Finding Option" subsection			
Technical Change Recommendations						
Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields.						
Technical Changes	1	FROM: 2.3 This Standard applies to computing devices of fab equipment, which are installed with Windows® ¹ or Unix® ² - like operating system.				
		TO: 2.3 This Standard applies to computing devices of fab equipment, which are installed with <u>Microsoft Windows</u> ® ¹ or <u>UnixLinux</u> ® ² -like operating system.				
	Justification (if necessary)					
	2	FROM: Footnote 2 Trademark is owned by The Open Group				
TO: Footnote 2 Trademark is owned by The Open Group <u>Linus Torvalds</u>						
Justification (if necessary)						
Motion		Negative is addressed by the technical change(s).				
Motion by/2nd by		Karen Chang (Egis)/ Bright Wu (Willis Towers Watson)				
Discussion						
Result of Vote (check one)		23Y-0 N; Motion passed.				
		X	2/3 ≤ [Negative is addressed by the technical change(s).]	GO TO "Incorporation of the Technical Change" subsection		
			[Negative is not addressed by the technical change(s).] < 2/3	GO TO "Final" subsection → (E)		
Incorporation of the Technical	Motion		To incorporate the technical change(s).			
	Motion by/2 nd by		David Chiu (Atotech)/ Tim Chen(PSMC)			
	Discussion					
			23 Y-0 N; Motion passed			
		X	90% ≤ [Agree to incorporate.]	GO TO "Final" subsection → (F)		

	Result of Vote (check one)	<input type="checkbox"/>	[Disagree to incorporate.]>10%	GO TO “Final” subsection → (E)	
Not Significant Finding Option	This option can be used only “if the TC Chapter finds a Negative not persuasive by a vote equal to or greater than 90% of the persons voting on the action”. (Regulations ¶ 9.6.1.4.5.2)				
	Use of “Not significant finding option” (check one)	<input type="checkbox"/>	It is mutually agreed upon to term the Negative “not significant”.		GO TO “Final” subsection → (D)
		<input type="checkbox"/>	It is mutually agreed upon to term the Negative “significant”.		GO TO “Final” subsection → (C)
		<input type="checkbox"/>	Whether or not the Negative is “not significant” is decided by a vote.		
	Motion	The Negative is “not significant”.			
Motion by/ 2nd by	Name (Company)/Name (Company)				
Vote	<input type="checkbox"/>	XX Y-XX N; Motion passed with simple majority		GO TO “Final” subsection → (D)	
	<input type="checkbox"/>	XX Y-XX N; Motion failed with simple majority		GO TO “Final” subsection → (C)	
Final	(check if applicable)	<input type="checkbox"/>	(A)	Withdrawn (counted under h in disposition)	
		<input type="checkbox"/>	(B)	Not related (counted under i in disposition)	
		<input type="checkbox"/>	(C)	Related and not persuasive (significant)	
		<input type="checkbox"/>	(D)	Not significant (counted under j in disposition)	
		<input type="checkbox"/>	(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
	<input checked="" 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

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.		
		Referenced Section/ Paragraph: ¶9.2 and [E<6506> RQ-00005-00]		
Negative Text		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.		
		I think, even if critical vulnerabilities exist in the equipment, it should be allowed if the services are not used in the equipment. For example, SMB (Server Message Block) service is installed but the service is disabled, the vulnerabilities for SMB should be excluded from this requirement. I think additional comments are required in this section.		
TF input (optional)		After the explanation, the voter understood TW TF's expression is same as he suggested to refine the sentence.		
Withdrawal (check one)	<input type="checkbox"/>	No Negative withdrawal made by Voter.		GO TO “Related” subsection
	<input checked="" type="checkbox"/>	Withdrawal document received by Standards staff on 07/26/2021.		GO TO “Final” subsection → (A)
Final	(check if applicable)	<input checked="" type="checkbox"/>	(A)	Withdrawn (counted under h in disposition)
		<input type="checkbox"/>	(B)	Not related (counted under i in disposition)
		<input type="checkbox"/>	(C)	Related and not persuasive (significant)
		<input type="checkbox"/>	(D)	Not significant (counted under j in disposition)

		(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

Negative	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. Referenced Section/ Paragraph: [E<6506> RQ-00012-00]		
	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. First sentence is a little vague. Wording improvement is required. I propose as following. [E<6506> RQ-00012-00] The event logs shall be recorded when access control changes, configuration changes and system errors are occurred. The event log shall consist of event type, event description, user account and timestamp. [/RQ]		
TF input (optional)		After the explanation, the voter understood TW TF's expression is same as he suggested to refine the sentence. So the voter agreed to withdraw the comment.		
Withdrawal (check one)		No Negative withdrawal made by Voter.	GO TO "Related" subsection	
	X	Withdrawal document received by Standards staff on 07/26/2021.	GO TO "Final" subsection → (A)	
Final	(check if applicable)	x	(A)	Withdrawn (counted under h in disposition)
			(B)	Not related (counted under i in disposition)
			(C)	Related and not persuasive (significant)
			(D)	Not significant (counted under j in disposition)
			(E)	Related and persuasive and not addressed by technical change
		(F)	Addressed by technical change (counted under k disposition)	
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.	

Disposition of Voting Interest Reject 3

Check only when the Document has not been failed.

4	Original number (#) of Negatives	(g)	
3	Number of Negatives withdrawn	(h)	
#	Number of Negatives found not related	(i)	
#	Number of Negatives found not significant	(j)	
1	Number of Negatives addressed by technical change (Negative becomes not significant)	(k)	
Final	x	$g - (h + i + j + k) = 0$	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check
		$g - (h + i + j + k) > 0$	Reject is included in the denominator of § VI. Approval Conditions Check

	Reject without a Negative	Not Valid
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This table is needed for each Voting Interest Reject.

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

Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations ¶ 9.6.1.4.5.2*)

IV. Other Technical Issues

Note: TC Chapter may choose to address a technical issue that is not part of a Negative received on a Letter Ballot (i.e., a Comment or a reason not addressed by a Vote response) by handling it as a Negative and finding it related and technically persuasive. The TC Chapter may then fail the Document or address such technical issue by using the procedure defined in *Regulations § 9.6.1.4.3* to make a technical change to the Document. (*Regulations ¶ 9.6.1.4.2.5*)

None

V. Comments

V- (i) Voters' Comments

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

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.		
	Reference: R1 2.3 Comment: There is a typo "Connent". Connect is correct.		
Action	The TC Chapter agreed to do one of the following actions.		
	*No motion is required in this step.		
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #	
	<input type="checkbox"/>	No further action was taken by the TC Chapter.	
	<input type="checkbox"/>	Refer to the TF for more consideration.	
	<input type="checkbox"/>	New Business	
	<input checked="" type="checkbox"/>	Editorial Change	
	Options for editorial change (check one)	<input type="checkbox"/> Case 1: No vote in this section: <i>To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.</i>	
		<input checked="" type="checkbox"/> Case 2: Voted in this section: <i>Original section number and at least one full sentence are required in "FROM" and "TO" fields.</i>	
	Editorial	1	FROM: R1-2.3 OpenID Connent can sit on OAuth as it provides a much stronger authorization mechanism.
			TO: R1-2.3 OpenID Connent <u>Connect</u> can sit on OAuth as it provides a much stronger authorization mechanism.

	Justification (If necessary)
Motion	To approve above editorial change(s)
Motion by/2nd by	Karen Chang (Egis)/Miller Chang (Changing)
Discussion	
Vote	25Y-0 N; Motion passed

This table is needed for each Comment accompanied a Vote

Commenter 2 (Rostan, Martin/ Ethercat) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.
	Many thanks to the team at Taiwan for their quick, thoughtful and focused implementation of my feedback on the previous version of this standard.
Action	The TC Chapter agreed to do one of the following actions.
	*No motion is required in this step.
	<input type="checkbox"/> Already addressed by Commenter #, Comment #
	<input checked="" type="checkbox"/> No further action was taken by the TC Chapter.
	<input type="checkbox"/> Refer to the TF for more consideration.
	<input type="checkbox"/> New Business
	<input type="checkbox"/> Editorial Change

This table is needed for each Comment accompanied a Vote

Commenter 3 (Fuchigami, Albert/PEER Group) - Comment 1

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.
	<p>[E<6506> RQ-00005-00] Common Vulnerability Scoring System (CVSS)</p> <p>There should be guidance on what a critical severity is if they do not use CVSS. Perhaps add a line at the end of Note 3 along the lines of 'If a different industrial vulnerability scoring standard is used, the equipment user and equipment supplier agree what is</p> <p>If a different industrial vulnerability scoring standard is used, the equipment user and equipment supplier agree what is...</p>
Action	The TC Chapter agreed to do one of the following actions.
	*No motion is required in this step.
	<input type="checkbox"/> Already addressed by Commenter #, Comment #
	<input type="checkbox"/> No further action was taken by the TC Chapter.
	<input checked="" type="checkbox"/> Refer to the TF for more consideration.
<input type="checkbox"/> New Business	

	Editorial Change
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This table is needed for each Comment accompanied a Vote

Commenter 3 (Fuchigami, Albert/ PEER Group) - Comment 2

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	[E<6506> RQ-00007-00] ... but not limited >>> but are not limited	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #
	<input type="checkbox"/>	No further action was taken by the TC Chapter.
	<input type="checkbox"/>	Refer to the TF for more consideration.
	<input type="checkbox"/>	New Business
	<input checked="" type="checkbox"/>	Editorial Change
	Options for editorial change (check one)	<input type="checkbox"/> Case 1: No vote in this section: To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.
		<input checked="" type="checkbox"/> Case 2: Voted in this section: Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Changes	1	FROM: NOTE 4: Anti-malware is necessary for fab equipment protection to avoid malware attacks. Anti-malware solutions include but not limited to antivirus software or application allow list control mechanisms.
		TO: NOTE 4: Anti-malware is necessary for fab equipment protection to avoid malware attacks. Anti-malware solutions include but are not limited to antivirus software or application allow list control mechanisms.
		Justification (If necessary)
Motion		To approve above editorial change(s)
Motion by/2nd by		Vannia Lin (ITRI)/ Karen Chang (Egis)
Discussion		
Vote		20 Y-0 N; Motion passed.

This table is needed for each Comment accompanied a Vote

Commenter 3 (Fuchigami, Albert/PEER Group) - Comment 3

	*TF/TC Chapter to fill in section/paragraph #, if necessary.
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Comment	<p>It is not clear what this Requirement is asking for. If the equipment supplier provides documents showing how you can enable/disable input devices, do they comply with the requirement?</p> <p>[E<6506> RQ-00008-00]</p> <p>Equipment suppliers shall provide document regarding security hardening including: >> It is not clear what this requirement is asking for. If the equipment supplier provides documents showing how you can enable/disable input devices, do they comply with the requirement?</p>									
	<p>The TC Chapter agreed to do one of the following actions.</p> <p>*No motion is required in this step.</p> <table border="1"> <tr> <td><input type="checkbox"/></td> <td>Already addressed by Commenter #, Comment #</td> </tr> <tr> <td><input type="checkbox"/></td> <td>No further action was taken by the TC Chapter.</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Refer to the TF for more consideration.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>New Business</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Editorial Change</td> </tr> </table>	<input type="checkbox"/>	Already addressed by Commenter #, Comment #	<input type="checkbox"/>	No further action was taken by the TC Chapter.	<input checked="" type="checkbox"/>	Refer to the TF for more consideration.	<input type="checkbox"/>	New Business	<input type="checkbox"/>
<input type="checkbox"/>	Already addressed by Commenter #, Comment #									
<input type="checkbox"/>	No further action was taken by the TC Chapter.									
<input checked="" type="checkbox"/>	Refer to the TF for more consideration.									
<input type="checkbox"/>	New Business									
<input type="checkbox"/>	Editorial Change									
Action										

This table is needed for each Comment accompanied a Vote

Commenter 3 (Fuchigami, Albert/PEER GROUP) - Comment 4

Comment	<p>*TF/TC Chapter to fill in section/paragraph #, if necessary.</p> <p>[E<6506> RQ-00008-00]</p> <p>Editorial - English - Think this should be plural (documents)</p> <p>Equipment suppliers shall provide documents regarding security hardening including:</p>									
	<p>The TC Chapter agreed to do one of the following actions.</p> <p>*No motion is required in this step.</p> <table border="1"> <tr> <td><input type="checkbox"/></td> <td>Already addressed by Commenter #, Comment #</td> </tr> <tr> <td><input type="checkbox"/></td> <td>No further action was taken by the TC Chapter.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer to the TF for more consideration.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>New Business</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Editorial Change</td> </tr> </table>	<input type="checkbox"/>	Already addressed by Commenter #, Comment #	<input type="checkbox"/>	No further action was taken by the TC Chapter.	<input type="checkbox"/>	Refer to the TF for more consideration.	<input type="checkbox"/>	New Business	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Already addressed by Commenter #, Comment #									
<input type="checkbox"/>	No further action was taken by the TC Chapter.									
<input type="checkbox"/>	Refer to the TF for more consideration.									
<input type="checkbox"/>	New Business									
<input checked="" type="checkbox"/>	Editorial Change									
	<table border="1"> <tr> <td><input type="checkbox"/></td> <td>Case 1: No vote in this section:</td> </tr> </table>	<input type="checkbox"/>	Case 1: No vote in this section:							
<input type="checkbox"/>	Case 1: No vote in this section:									

	Options for editorial change (check one)	<input type="checkbox"/>	To be included and voted on as a group in § VI. <i>Editorial Changes Other than Those Voted on in § V.</i>
		<input checked="" type="checkbox"/>	Case 2: Voted in this section:
		<input type="checkbox"/>	Original section number and at least one full sentence are required in "FROM" and "TO" fields.
Editorial Changes	1	FROM: Section/Paragraph [E<6506> RQ-00008-00] Equipment suppliers shall provide document regarding security hardening including:	
		TO: Section/Paragraph [E<6506> RQ-00008-00] Equipment suppliers shall provide documents regarding security hardening including:	
		Justification (If necessary)	
Motion		To approve above editorial change(s)	
Motion by/2 nd by		Michael Lee (Cimetrix)/Tim Chen (PSMC)	
Discussion			
Vote		22 Y-0 N; Motion passed.	

Commenter 3 (Fuchigami, Albert/PEER GROUP) - Comment 5

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	<p>[E<6506> RQ-00010-00] access rights/privileges authorization solutions</p> <p>Similar to RQ-00009, do these these authorization solutions apply to operating system and equipment access control? Should clarify in the requirement like you do for RQ-00009.</p> <p>Similar to RQ-00009, do these authorization solutions apply to operating system and equipment access control? Should clarify in the requirement like you do for RQ-00009</p>	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #
	<input type="checkbox"/>	No further action was taken by the TC Chapter.
	<input checked="" type="checkbox"/>	Refer to the TF for more consideration.
	<input type="checkbox"/>	New Business
<input type="checkbox"/>	Editorial Change	

This table is needed for each Comment accompanied a Vote

Commenter 3 (Fuchigami, Albert/PEER Group) - Comment 6

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	<p>[E<6506> RQ-00011-00] application Is this application meant to be the Equipment Control Software (software that controls the Tool)? For example, the Windows Operating system has Application logs</p> <p>Is this application meant to be the Equipment Control Software (software that controls the Tool)? For example, the Windows Operating system has Application logs</p>	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #
	<input type="checkbox"/>	No further action was taken by the TC Chapter.
	<input checked="" type="checkbox"/>	Refer to the TF for more consideration.
	<input type="checkbox"/>	New Business
<input type="checkbox"/>	Editorial Change	

This table is needed for each Comment accompanied a Vote

Commenter 3 (Fuchigami, Albert/PEER Group) - Comment 7

Comment	*TF/TC Chapter to fill in section/paragraph #, if necessary.	
	<p>[E<6506> RQ-00012-00] NOTE 9: How long should logs be kept is to conform to the end users site rules.</p> <p>Editorial - English - Perhaps rephrase as 'End user's site rules determine how long these log file are kept.'</p> <p>Perhaps rephrase as End user's site rules determine how long these log file are kept</p>	
Action	The TC Chapter agreed to do one of the following actions.	
	*No motion is required in this step.	
	<input type="checkbox"/>	Already addressed by Commenter #, Comment #
	<input type="checkbox"/>	No further action was taken by the TC Chapter.
	<input checked="" type="checkbox"/>	Refer to the TF for more consideration.
	<input type="checkbox"/>	New Business

	Editorial Change
--	------------------

This table is needed for each Comment accompanied a Vote

V-(ii) Comments Created by Handling Negative
None

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

Original section/paragraph number and at least one full sentence are required in “FROM” and “TO” fields.

Refer to section V.

VII. Approval Conditions Check

VII. - (i). Approval Rate

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

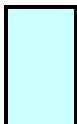
APPROVAL CONDITION 2: At least 90% of the sum of valid Voting Interest Accept and Voting Interest Reject Votes must be Accept. (*Regulations ¶ 9.6.2.1.3*)

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

		Accepts		(Accepts + Valid Rejects)					
Approval Rate	=	52	/	52	=	100.0%		≥90%	

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

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



Globally Approved (No Ratification Ballot needed):
The Letter Ballot meets the Letter Ballot approval conditions for the global technical committee.

x

Need a Ratification Ballot:

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

VIII. Safety Check

Note: See Regulations § 15 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 ¶ 8.7.1</i>)
		This is a Safety Document , when all safety-related information is removed, the Document is not technically sound and complete. (<i>Regulations ¶ 8.7.2</i>)
		Safety Checklist (<i>Regulations ¶ 15.3</i>) is complete and has been included with the Document throughout the balloting process. (<i>Regulations ¶ 15.1.2</i>)
Motion by/2nd by		Anderson Ni (Delta)/David Chiu(Atotech)
Discussion		
Vote		23 Y-0 N; Motion passed

IX. Intellectual Property (IP) Check

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

x	The TC Chapter meeting chair asked those participating, if they were aware of any patented technology that might be relevant (see <i>Regulations</i> ¶ 16.3.1.1) to the Standard or Safety Guideline; or, any copyrighted items or trademarks that are used/reproduced (see <i>Regulations</i> ¶ 16.4.1.2) in the Standard or Safety Guideline. (Also see, <i>Regulations</i> § 8.8)					
	The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.)	GO TO SECTION X.				
	X	The question is answered in affirmative	Is any of the known IPs a patented technology?	<input type="checkbox"/>	Yes, at least one of them is a patented technology	GO TO IX (a) “Patented Technology” subsection
				<input checked="" type="checkbox"/>	No	GO TO IX (b) “Copyright items” subsection

IX(a) Patented Technologies subsection

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

# Fill number	(l) Known Patented Technology that might be relevant to the Standard/Safety Guideline	# Fill number	(m) Number of patented technologies first became known to the TC Chapter on or after the day of the issuance of this Letter Ballot	Postpone assessment of such patented technologies to be performed at the next scheduled TC Chapter meeting.
# Fill number	(n) Known Patented Technology that might be relevant to the Standard/Safety Guideline	# Fill number	(n) Number of patented technologies first became known to the TC Chapter before the day of the issuance of this Letter Ballot	GO TO IX (a2)

IX(a2) Assessment of disclosed patented technologies

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

This table is needed for each disclosed patented technology.

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

LOA Status of PMPT #1					
Has an LOA for this patented technology been received from every owner ?		YES	PROCEED to check NEXT one, or if this is the last one, GO TO IX(b)		
		NO	MOTION		Ask ISC for special permission to publish.
					Quit activity. The Document is failed and returned to the TF
					Wait for LOA PROCEED to check NEXT one, or if this is the last one, GO TO IX(b1)
			Motion by/ 2 nd by	Name (Company)/Name (Company)	
			Discussion	XXXX	
			Vote	XX Y-XX N; Motion passed (or failed)	

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

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

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

IX(b2) Assessment of disclosed copyrighted items

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

This table is needed for each disclosed copyrighted item.

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

Copyright release Status of copyrighted item #1					
Has the copyright release been received from its owner ?.		YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(c)		
		NO	≧		Ask ISC for special permission to publish.

			Quit activity.	The Document is failed and returned to the TF
			Wait for copyright release letter	PROCEED to check NEXT one, or if this is the last one, GO TO IX(c)
			Motion by/ 2 nd by	Name (Company)/Name (Company)
			Discussion	XXXX
			Vote	XX Y-XX N; Motion passed (or failed)

This table is needed for each copyrighted item of which use/reproduction assessed to be justified.

IX(c) Assessment of disclosed (identified) trademark

Is there any trademark in the Standard/Safety Guideline?	X	YES	Is every instance of trademark use technically justified?	X	YES	GO TO IX(d)
					NO	The Document is failed and returned to the TF
		NO	GO TO IX(d)			

IX(d) IP check completion condition check

The co-chair checks if any Patented Technologies first become known to the TC Chapter on or after the day of the issuance of this Letter Ballot? i.e., m>0 in IX(a1)		YES	Sections IX(a2) and IX(a3) shall be completed and recorded for such patented technologies at next scheduled meeting of the TC Chapter. Until then, the TC Chapter shall NOT go to X (making motion to pass/fail this Document) (see Regulations ¶ 16.4.1.2) Until then this Letter Ballot Review is on hold.
	x	NO	GO TO X

X. Action for This Document

Motion		This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&R SC for procedural review.
		This Document passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.
	X	This Document passed TC Chapter review with technical changes and with or without editorial changes and will be forwarded to the ISC A&R SC for procedural review. A Ratification Ballot will be issued to verify the technical changes.
		This Document failed TC Chapter review and will be returned to the TF for rework.
		This Document failed TC Chapter review and work will be discontinued.
Motion by/ 2 nd by		Minghui Chung (ITRI)/Karen Chang (Egis)
Discussion		
Vote		20 Y-0 N
Final Action		X Motion passed
		Motion failed

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