Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: Japan

Global Technical Committee: Physical Interface & Carrier Technical Committee
TC Chapter Cochairs: N Tsuyoshi Nagashima/Miraial, Yasuhisa Ito/Murata Machinery,

Daisuke Sado /Daihen

Standards Staff: Hirofumi Kanno (SEMI Japan)

	Scheduled in Background Statement	Actual
Date	04/14/2021	04/14/2021
Location	Tokyo, Japan / Online	Tokyo, Japan / Online
Reason for Change of Date and/or Location (if changed)	n/a	

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

I. Document Number and Title

Document Number	Document Title
6689	New Standard: Specification for 300mm Tape Frame
	FOUP

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	59	÷	96	=	61.5%	≥60%
Intercommittee Ballot	41					
Voting Interest Reject(s)	1		Total Vo	ters	with Rejects	1
Voting Interest Accept(s)	42					

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

III. Rejects

Voting Interest Reject 1 (Voting Interest Name: RECIF Technologies) Voter Reject 1 (Voter: Thomas Brillouet (RECIF Technologies)

Negative 1

	Referenced Section/	*TF/TC Chapter to fill in, ir	ncluding text in the ballot if nec	essary.					
	Paragraph	Section 7							
z		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.							
Negative	Negative Text	equipments (i.e. E63 BOLT A previous study in a Europ LP were designed and protowas possible (especially E6 FOUP's door width of 403m That would greatly ease adequipments and giving the comparison.	ean collaborative program, where otyped, showed that compliance w 3-BOLT, with for instance a FOUF m). option of such FOUP and LP by the	a Tape Frame FOUP and its with existing 300mm standards width of 419mm, and a e industry, not requiring new					
TF	nput (optional)								
	Withdrawal	No Negative withdrawa	al made by Voter.	GO TO "Related" subsection					
	(check one)	x Withdrawal document r 03/20/2021.	received by Standards staff on	GO TO "Final" subsection → (A)					
	Motion and	'Related' is mutually ag	reed upon. (Needs no motion.)	GO TO "Persuasive" subsection					
	Reason	Negative is not related.	(Needs ≥2/3 votes to pass.)						
	(check one)	Reason	xxxx						
Related	Motion by/ 2 nd by	Name (Company)/Name (Co	ompany)						
ated	Discussion								
		XX Y-XX N; Motion passed	/failed.						
	Result of Vote (check one)	[Negative is not related	.] < 2/3	GO TO "Persuasive" subsection					
	,	2/3 ≤ [Negative is not re	elated.]	GO TO "Final" subsection → (B)					
		Negative is related and	persuasive. (Needs >1/3 votes t	o pass.)					
Pe	Motion and Reason (check one)	Negative is related and	not persuasive. (Needs ≥2/3 vot	es to pass.)					
Persuasive	(* ** * * *)	Reason							
ive	Motion by/ 2 nd by	Name (Company)/Name (Co	ompany)						
	Discussion								
		XX Y-XX N; Motion passed	/failed.						

	ı		ĺ								
						e is related and ve.] > 1/3	Is a technical change recommended?		Y	GO TO "Address by Technical Change Option" subsection	
			of Vote k one)		gative is related and not suasive.] < 2/3				N	GO TO "Final" subsection → (E)	
						[Negative is related not persuasive.] < 90% GO TO "Final" subsection → (C)					
				90%	1] ≥ ۵	Negative is related persuasive.]	GO TO "Not Sign	nifica	nt F	Finding Option" subsection	
				e Recon	nme	ndations	one full sentence	are r	ean	ired in "FROM" and "TO"	
	fields					graph XXX		uic i	- Gqu	med in Treem and Te	
		1	TO: Sed	ction/Par	agra	iph xxx					
	echn		Justific	ation (If	nece	essary)					
	Technical Changes		FROM:	Section/I	Para	graph XXX					
Address by Technical Change Op	anges	2	TO: Sed	ction/Par	ragraph xxx						
ss b			Justific	ation (If	nece	essary)					
/ Тес											
hnic	Motio	on			Neg	ative is addressed by	the technical cha	nge(s	s).		
cal C	Motio	on k	y/2 nd by	1	Nan	ne (Company)/Name	(Company)				
han	Disc	uss	ion								
ge (XX '	Y-XX N; Motion pass	ed/failed.			CO TO "Incomparation of the	
Option			sult of Vo			2/3 ≤ [Negative is ad change(s).]	ddressed by the te	chnic	al	GO TO "Incorporation of the Technical Change" subsection	
						[Negative is not add change(s).] < 2/3		GO TO "Final" subsection → (E)			
	-	Мс	tion		To incorporate the technical change(s).						
	ncol Tec		tion by/2		Name (Company)/Name (Company)						
	rpora hnica	Dis	scussion	1							
	ition				XX '	Y-XX N; Motion pass	ed/failed.				
	Incorporation of the Technical Change		Result o			90% ≤ [Agree to incorporate.]				GO TO "Final" subsection → (F)	
	ļ		(check	,		[Disagree to incorpo	<u>-</u>			GO TO "Final" subsection → (E)	
Not Significan						"if the TC Chapter ons voting on the ac				uasive by a vote equal to or 1.4.5.2)	
yt fican					muti ifica	ually agreed upon to nt".	term the Negative	"not		GO TO "Final" subsection → (D)	

	Use of "Not significant finding option"		It is mutually a "significant".	greed upon to term the Negative	GO TO "Final" subsection → (C)		
	(check one)		Whether or not	the Negative is "not significant" is deci-	ded by a vote.		
	Motion	The	Negative is "no	t significant".			
	Motion by/ 2 nd by Name (Company)/Name (Company)						
	Vote		XX Y-XX N; Mo	otion passed with simple majority	GO TO "Final" subsection → (D)		
	Vote		XX Y-XX N; Mo	otion failed with simple majority	GO TO "Final" subsection → (C)		
		X	(A)	Withdrawn (counted under h in di	sposition)		
			(B)	Not related (counted under i in dis	sposition)		
	(check if		(C)	Related and not persuasive (signific	ificant)		
Fina	applicable)		(D) Not significant (counted under j		in disposition)		
<u>a</u>			(E) Related and persuasive and no addressed by technical change		DOCUMENT FAILS		
			(F)	Addressed by technical change (co	unted under k disposition)		
	(check if applicable)		Comment gene	erated. See Section V-(ii) Comment #	X		

This table is needed for each Negative.

Negative 2

1109	ative 2											
	Referenced Section/		TC Chapter to fill in, in	cludi	ng text in the ball	ot if no	ecessary.					
Z	Paragraph	Sec	tion 7,									
Negative		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.										
Φ	negative rext		Also, on the 25 capacity FOUP (Figure 5), the Tape Frames supports thickness (up to 5mi seems very big and leaves only 5mm for Frames insertion/extraction. Compatibility with plastic Frames of 2.5mm (some of them going up to 3.5mm) is a concern.									
TF	input (optional)	piac	100 Traines of 2.011111 (00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Titleth going up to	0.011111	i) io a dollociti.					
Withdrawal			No Negative withdrawa	l mad	e by Voter.		GO TO "Related" subsection					
	(check one)	х	Withdrawal document r 03/20/2021.	eceive	ed by Standards st	aff on	GO TO "Final" subsection → (A)					
	Matienand		'Related' is mutually ag	reed ι	ıpon. (Needs no n	notion	GO TO "Porcuacivo"					
	Motion and Reason		Negative is not related.	(Nee	ds ≥2/3 votes to p	ass.)						
	(check one)		Reason	XXXX	(
Re	Motion by/ 2 nd by	Nan	ne (Company)/Name (Co	ompar	ny)							
Related	Discussion											
		XX Y-XX N; Motion passed/failed.										
	Result of Vote (check one)		[Negative is not related	GO TO "Persuasive" subsection								
	(chical chic)		2/3 ≤ [Negative is not re	GO TO "Final" subsection → (B)								
			Negative is related and	persu	uasive. (Needs >1/	3 vote	s to pass.)					
	Motion and Reason (check one)		Negative is related and	not p	ersuasive. (Needs	≥2/3 v	otes to pass.)					
	(0.10011 0.110)		Reason									
ק ק	Motion by/ 2 nd by	Nan	ne (Company)/Name (Co	ompar	ny)							
ersı	Discussion											
Persuasive		XX	Y-XX N; Motion passed/	failed			_					
ive			[Negative is related and persuasive.] > 1/3	l	Is a technical change recommended?	,	GO TO "Address by Technical Change Option" subsection					
	Result of Vote (check one)		[Negative is related and persuasive.] < 2/3	l not	(check one)	ı	GO TO "Final" subsection → (E)					
			2/3 ≤ [Negative is relate and not persuasive.] < 9	90%	GO TO "Final" s	ubsect	tion → (C)					
			90% ≤ [Negative is rela and not persuasive.]	ted	GO TO "Not Sign	nifican	t Finding Option" subsection					

		inal				ndations umber and at least one full sentence are requ	uired in "FROM" and "TO"				
	Ticia	J.	FROM:	Section	Para	graph XXX					
		1	TO: Se	TO: Section/Paragraph XXX							
	[echni		Justific Same th	ation (<mark>If</mark>	nece as 3	essary) 800mm FOUP defined in E47.1					
	cal CI		FROM:	Section/Paragraph XXX							
Addre	Technical Changes	2	TO: Sec	ction/Pa	ragra	aph xxx					
Address by Technical Change Option			Justific	ation (If	nec	essary)					
echn	Moti	on			Neg	ative is addressed by the technical change(s).					
ical (Moti	on l	oy/2 nd by	/	Nan	ne (Company)/Name (Company)					
Chan	Disc	uss	ion								
ge C					XX	Y-XX N; Motion passed/failed.	GO TO "Incorporation of the				
ption		_	sult of Veheck on			2/3 ≤ [Negative is addressed by the technical change(s).]	Technical Change" subsection				
						[Negative is not addressed by the technical change(s).] < 2/3	GO TO "Final" subsection → (E)				
	. =	_	otion		To incorporate the technical change(s).						
	Tech		tion by/		Name (Company)/Name (Company)						
	Incorporation Technical Ch		30033101	•	V/V/	ANY N. M. C					
					XX	Y-XX N; Motion passed/failed.	GO TO "Final" subsection				
	of the ange		Result o			90% ≤ [Agree to incorporate.]	→ (F) GO TO "Final" subsection				
					<u>.</u>	[Disagree to incorporate.]>10%	→ (E)				
NC						if the TC Chapter finds a Negative not persons voting on the action". (<i>Regulations</i> ¶ 9.6)					
ot Sign	Sig Us		f "Not		mut nifica	ually agreed upon to term the Negative "not nt".	GO TO "Final" subsection → (D)				
Not Significant Finding Option	find	significant finding option" (check one)			mut	ually agreed upon to term the Negative ant".	GO TO "Final" subsection → (C)				
Find						or not the Negative is "not significant" is decide	ed by a vote.				
ding			tion	The Ne	gative	e is "not significant".					
	IV	2 nd	n by/ by	Name (Comp	pany)/Name (Company)					
		Vc	ote	XX	Y-X	(N; Motion passed with simple majority	GO TO "Final" subsection → (D)				
			-	XX	Y-X	(N; Motion failed with simple majority	GO TO "Final" subsection → (C)				

		х	(A)	Withdrawn (counted under h in disposition)					
			(B)	Not related (counted under i in disp	osition)				
	(check if		(C)	Related and not persuasive (significant)					
Final	applicable)		(D)	Not significant (counted under j in d	isposition)				
al			(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.

Check only when the Document has not been failed.

2	Original	num	ber (#) of Negatives	(g)				
2	Number	of N	egatives withdrawn		(h)			
0	Number	of N	egatives found not related		(i)			
0	Number of Negatives found not significant (j)							
0			egatives addressed by technic t significant)	al change (Negative	(k)			
		x	g - (h + i + j + k) = 0	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Check				
	Final		g - (h + i +j + k) >0	Reject is included in the Approval Conditions Conditions Conditions	_			
			Reject without a Negative	Not Valid				

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)

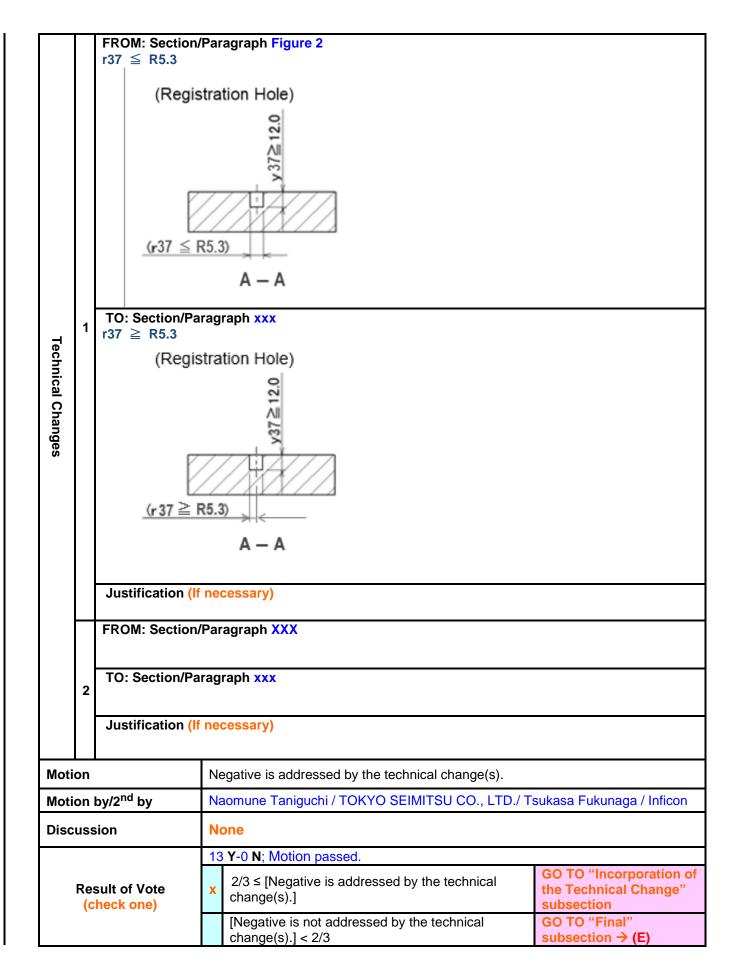
Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.1.4.5.2)

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)

	Origin	*TF/TC Chapter to choose Offline comment from TF member through email after voting
Тес	Referenced	*TF/TC Chapter to fill in including text in the ballot as appropriate.
Technical	Section/ Paragraph	Figure 2: r37 ≤ R5.3
al Issue		*Original Comment text, if applicable, and problem statement, including justification and suggestion, should be copied.
sue	Reason	 Conflicts found in the document: Figure 2: r37 ≤ R5.3 (additionally, the figure indicates diameter instead radius) Table 3: r37 ≥ R5.3 Table 3 is correct.

		Х	'Related' is mutually a	GO TO "Persuasive" subsection									
	Motion and		Negative is not related	and as	signed to TF. (Need	s ≥2/	3 vo						
	Reason (check one)		Negative is not related and placed on agenda of current TC Chapter meeting as business. (Needs ≥2/3 votes to pass.)										
			Reason	XXXX									
Polated	Motion by/ 2nd by	Naı	me (Company)/Name (C	Compan	y)								
5	Discussion												
		XX	Y-XX N; Motion passed	d/failed.									
	Result of Vote		[Negative is not related	d.] <2/3				GO TO "Persuasive" subsection					
	(check one)		2/3 ≤ [Negative is not	GO TO "Final"									
			2/3 ≤ [Negative is not related] and placed on agenda of current TC Chapter meeting as new business.										
		х	x Negative is related and persuasive. (Needs >1/3 votes to pass.)										
	Motion and Reason (check one)		Negative is related and	to pass.)									
	(Check che)		Reason										
	Motion by/ 2 nd by	Nac	omune Taniguchi / TOK	YO SEII	MITSU CO., LTD./ T	sukas	sa F	ukunaga / Inficon					
.:	Discussion	Noi	ne										
5		13	Y-0 N; Motion passed.										
	Result of Vote	X	[Negative is related an persuasive.] > 1/3	ıd	Is a technical change	х	Υ	GO TO "Address by Technical Change Option" subsection					
	(check one)		[Negative is related and not persuasive.] < 2/3		recommended? (check one)		N	GO TO "Final" subsection → (E)					
			2/3 ≤ [Negative is related and not persuasive.] < 90%			tion) → (C)						



		Motion			То	incorpora	ate the technical change(s).				
	Incorporation Technical Ch	Motion by	/2 nd b	у	Naomune Taniguchi / TOKYO SEIMITSU CO., LTD./ Tsukasa Fukunaga / Inficon						
	ncorpora Technic	Discussion			None						
	atic					Y-0 N; Mc	otion passed.				
	of nan	Result o		•	X	90% ≤ [A	gree to incorporate.]	GO TO "Final" subsection → (F)			
	the ige	(check one				[Disagree	e to incorporate.] >10%	GO TO "Final" subsection → (E)			
					(B)		Not related				
				(C)		(C)	Related and not persuasive				
Final	(check one)					(E)	Related and persuasive and not addressed by technical change				
				(F)		(F)	Addressed by technical change				
	(check if applicable)			Com	mment generated. See Section V-(ii) Comment # X.						

		***	TO Object on to all access							
Те	Origin		/TC Chapter to choose ine comment from TF m	ember through email after voting						
chr	Referenced	*TF	/TC Chapter to fill in in	cluding text in the ballot as approp	oriate.					
Technical Issue	Section/ Paragraph	7.3.6.3 The latch torque – When …, shall be within <i>f34</i> for both open and close direction. Table 3: (latch torque symbol is missing)								
Issue	Reason	*Original Comment text, if applicable, and problem statement, including justification and suggestion, should be copied.								
	Reason	As	described in Table 3, f34	is not the latch torque but door closu	ure force.					
Hand	dle technical issu	e ide	entified above as a Neg	ative.						
		X	'Related' is mutually ag	GO TO "Persuasive" subsection						
	Motion and		Negative is not related and assigned to TF. (Needs ≥2/3 votes to pass.)							
	Reason (check one)		Negative is not related and placed on agenda of current TC Chapter meeting as business. (Needs ≥2/3 votes to pass.)							
			Reason	xxxx						
Related	Motion by/ 2nd by	Nar	me (Company)/Name (C							
ted	Discussion									
		XX Y-XX N; Motion passed/failed.								
	Result of Vote	X	[Negative is not related	GO TO "Persuasive" subsection						
	(check one)			elated] and assigned to TF. related] and placed on agenda of	GO TO "Final"					
		subsection → (B)								
Persuas	Motion and Reason	X	x Negative is related and persuasive. (Needs >1/3 votes to pass.)							
Jasi	(check one)		Negative is related and	I not persuasive. (Needs ≥2/3 votes	to pass.)					

Reason Conflicts in the document itself															
Properties Pr					Re	aso	n	Confli	cts in the document	itself					
Result of Vote Technical change Provided Pro					Naomu	ne Taniguchi / TOKYO SEIMITSU CO., LTD./ Tsukasa Fukunaga / Inficon									
Result of Vote (check one) X [Negative is related and persuasive.] > 1/3 Integrative is related and not persuasive.] > 1/3 Integrative is related and not persuasive.] > 2/3 ≤ [Negative is related and not persuasive.] < 2/3 ≤ [Negative is related and not persuasive.] < 90% Integrative is not persuasive.] < 90% Inte		Dis	scu	ssion	None										
Result of Vote Check one x Negative is related and not persuasive.] > 1/3 Check one N GO TO "Final" subsection ⇒ (Check one one opersuasive.] < 2/3 Negative is related and not persuasive.] < 90% GO TO "Final" subsection ⇒ (C) N GO TO "Final" subsection ⇒ (E) GO TO "Final" subsection ⇒ (E) N GO TO "Final" subsection ⇒ (E) O To "Final" subsection ⇒ (E					14 Y -0										
Regative is related and not persuasive.] < 20 2/3 ≤ [Negative is related and not persuasive.] < 90% GO TO "Final" subsection → (C)								d	change	х	Υ	Technical Change			
Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields. FROM: Section/Paragraph 7.3.6.3 7.3.6.3 The latch torque — When the door is placed at the nominal position, the torque to rotate the latching mechanism shall be within f34 for both open and close direction. TO: Section/Paragraph 7.3.6.3 7.3.6.3 The latch torque — When the door is placed at the nominal position, the torque to rotate the latching mechanism shall be within f30 for both open and close direction. Justification (If necessary) FROM: Section/Paragraph Table 3 FROM: Section/Paragraph Table 3 TO: Section/Paragraph Table 3 To		(ch	eck	cone)	pe	rsua	sive.] < 2/3		not (check one)						
Technical Change Recommendations Original section/paragraph number and at least one full sentence are required in "FROM" and "TO" fields. FROM: Section/Paragraph 7.3.6.3 7.3.6.3 The latch torque – When the door is placed at the nominal position, the torque to rotate the latching mechanism shall be within f34 for both open and close direction. TO: Section/Paragraph 7.3.6.3 7.3.6.3 The latch torque – When the door is placed at the nominal position, the torque to rotate the latching mechanism shall be within f30 for both open and close direction. Justification (If necessary) TO: Section/Paragraph Table 3 d65x² 9, 10, 13x² 10 ± 0.5x² x65, FDPx² surface of cytindrical fork-lift pin holes in left and right bottom conveyor railsx² force to close the door into the nominal door positionx² TO: Section/Paragraph Table 3 d65x² 9, 10, 13x² 10 ± 0.5x² x65, FDPx² surface of cytindrical fork-lift pin holes in left and right bottom conveyor railsx² force to close the door into the nominal door positionx² TO: Section/Paragraph Table 3 d65x² 9, 10, 13x² 10 ± 0.5x² x65, FDPx² surface of cytindrical fork-lift pin holes in left and right bottom conveyor railsx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² door positionx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² force to close the door into the nominal door positionx² force to									GO TO "Final" su	ıbse	ction	n → (C)			
PROM: Section/Paragraph 7.3.6.3 7.3.6.3 The latch torque — When the door is placed at the nominal position, the torque to rotate the latching mechanism shall be within 1/34 for both open and close direction. TO: Section/Paragraph 7.3.6.3 7.3.6.3 The latch torque — When the door is placed at the nominal position, the torque to rotate the latching mechanism shall be within 1/34 for both open and close direction. Justification (If necessary) FROM: Section/Paragraph Table 3 FROM: Section/Paragraph Table 3		Tech	nnic	al Chan				90%							
To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 Surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the door into the nominal door position. Surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the door into the nominal door position. Surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the door into the nominal door position. Surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the surface of cylindrical fork-lift pin holes in left and right bottom conveyor railses of the surfac		Orig	ina					least o	ne full sentence are	e rec	uire	d in "FROM" and "TO"			
latching mechanism shall be within f34 for both open and close direction. TO: Section/Paragraph 7.3.6.3 1								door i	s placed at the nom	ninal	nocit	ion, the torque to rotate the			
Technical Change of Paragraph Table 3 TO: Section/Paragraph T			1												
Technical Change To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 Surface of cylindrical fork-lift pin holes in left and right bottom conveyor rails-3 force to close the door into the nominal door position-3 force to rotate the latch mechanism for both open and close direction. To: Section/Paragraph Table 3 To: Section/Paragraph Table 3 Surface of cylindrical fork-lift pin holes in left and right bottom conveyor rails-3 in left and right bottom conveyor rail				TO: Se	ction/Paragraph 7.3.6.3										
Section Paragraph Table 3															
Page								00 101 0	our open and close	ance	,tiori.				
Page		Technica													
Page				FROM:	Section	/Par	agraph Table 3			1					
Processory 10 ± 0.3e 10	Ą			d65€	9, 1	0, 13∈	10 ± 0.5€	X	65, FDP←						
Page	dres	al Cha		f34€	no no	none∈ 180 N∈		n	/a<-	for	ce to c	lose the door into the nominal			
Processory 10 ± 0.3e 10	s bı	nge		TO: Se	ection/Pa	rag	raph Table 3								
Discussion Separate Separa	/ Tec	Š	2	d654			10 ± 0.5€	2	x65, FDP₽						
Justification (If necessary)	hnica									both open and close direction←					
Discussion None 14 Y-0 N; Motion passed. Result of Vote x 2/3 ≤ [Negative is addressed by the technical change" the Technical Change"	al Ch			·				ſ							
Discussion None 14 Y-0 N; Motion passed. Result of Vote X 2/3 ≤ [Negative is addressed by the technical the Technical Change"	ange (Justifi	tification (If necessary)										
Discussion None 14 Y-0 N; Motion passed. Result of Vote x 2/3 ≤ [Negative is addressed by the technical change" the Technical Change"	Optio	Moti	on			Negative is addressed by the technical change(s).									
Result of Vote 14 Y-0 N; Motion passed. 2/3 ≤ [Negative is addressed by the technical change" the Technical Change"	on	Moti	on	by/2 nd b	у	Naomune Taniguchi / TOKYO SEIMITSU CO., LTD./ Tsukasa Fukunaga / Inficon									
Result of Vote x 2/3 ≤ [Negative is addressed by the technical the Technical Change"		Disc	uss	sion		None									
Result of Vote x 2/3 \(\) [Negative is addressed by the technical the Technical Change"						14	Y-0 N; Motion	passed.							
, , ,								e is add							
[Negative is not addressed by the technical change(s).] < 2/3 GO TO "Final" subsection → (E)									GO TO "Final"						
Motion To incompare the technical above (a)		ᆰᆿ	M	otion		To	· · · · · ·		ical change(s).			. ,			
Motion by/2 nd by Naomune Taniguchi / TOKYO SEIMITSU CO., LTD./ Tsukasa Fukunaga / Inficon		cork	M	otion by	/2 nd by	Na	aomune Taniguc	hi / TOI	KYO SEIMITSU CO	., LT	D./ T	sukasa Fukunaga / Inficon			
의 이 Discussion None		으 호	Di	scussio	n	No	one								

		Result of Vote		1	14 Y-0 N; Motion passed.							
				_	90% ≤ [/	Agree to incorporate.]	GO TO "Final" subsection → (F)					
	(check		one)		[Disagre	e to incorporate.] >10%	GO TO "Final" subsection → (E)					
	(check one)		(B)		Not related							
				(C) (E)		Related and not persuasive						
Final						Related and persuasive and not addressed by technical change	DOCUMENT FAILS					
			Χ		(F)	Addressed by technical change						
	•	(check if applicable)			nment generated. See Section V-(ii) Comment # X.							

	Origin		TTC Chapter to choose nted out in the ballot rev									
	Origin	Pol	nited but in the ballot rev	lew in the 1F Meeting								
Technical Issue		*TF	T/TC Chapter to fill in in	cluding text in the ballot as appro	priate.							
chn	Referenced		§ § 4.1									
ica	Section/	NOTE 1: Related Standard below is also under development;										
) E	Paragraph	- Specification for 300mm Tape Frame FOUP Load Port										
usa		*Original Comment text, if applicable, and problem statement, including justification										
е	Reason		d suggestion, should b	•								
	Reason		proper referencing in §§4									
		The	e Regulation doesn't allo	w to refer to the title of documents be	efore publishing.							
Han	dle technical issu	ıe ide	entified above as a Neg	ative.								
		.,	'Deleted' is mutually as	GO TO "Persuasive"								
		Х	•	greed upon. (Needs no motion.)	subsection							
	Motion and		Negative is not related									
	Reason		Negative is not related and placed on agenda of current TC Chapter meeting as business. (Needs ≥2/3 votes to pass.)									
	(check one)		business. (Needs 22/3	votes to pass.)								
			Reason	XXXX								
R	Motion by/	Name (Company)/Name (Company)										
Related	2nd by	realite (Company)/realite (Company)										
:ed	Discussion											
		XX Y-XX N; Motion passed/failed.										
	Described Made		[Negative is not related	1.1 < 2/3	GO TO "Persuasive"							
	Result of Vote (check one)				subsection							
	(check one)		2/3 ≤ [Negative is not r	GO TO "Final"								
			2/3 ≤ [Negative is not current TC Chapter me	subsection → (B)								
		х										
Pe	Motion and Reason	^	Trogative is related allo	Juss.j								
rsu			Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)									
Persuasive	(check one)		inegative is related and	i not persuasive. (Needs 22/3 Votes	10 pass.)							
ve	(1 111 2112)		Reason									
			Reason	Conflicts in the document itself								
-			_									

		otion 2 nd b		Nao	mune	T	aniguchi / TOKYO SEI	MITSU CO., LTD./ T	suka	sa F	ukunaga / Inficon				
		SCUS	•	Non	ie.										
		-	01011			N	lotion passed.								
	Result of Vote			X [Negative is related and persuasive.] > 1/3			ive is related and	Is a technical change recommended?	х	Υ	GO TO "Address by Technical Change Option" subsection				
	(ch	(check one)					ive is related and not sive.] < 2/3	(check one)		N	GO TO "Final" subsection → (E)				
							Negative is related t persuasive.] < 90%	GO TO "Final" su	ıbse	ctior	n → (C)				
							endations								
	Orig field		section	/para	aragraph number and at least one full sentence are required in "FROM" and "TO"										
	Hela		FROM:	Sect	Section/Paragraph 4.1										
					: Related Standard below is also under development;										
				ification for 300mm Tape Frame FOUP Load Port											
	Technical Changes		Note 1:	: Related Standard below is also under development;											
		1	- Specif	icatio	cation for 300mm Tape Frame FOUP Load Port										
			NOTE 1	1: A Document covering specification of Load Port that is correspond to this document is under											
			develop	ment	ment by the Physical Interface and Carriers Global Technical Committee. cation (If necessary)										
			Justific	catio	n (lf n	ec	cessary)								
Ac		H	FROM:	Sect	ion/P	ar	agraph Table 3								
ldre	ges														
SS		╽┟	TO: Se	ection	n/Para	ragraph Table 3									
) 		2													
ech			Justific	catio	n (lf n	f necessary)									
nic															
Address by Technical Ch	Moti	on			ı	Negative is addressed by the technical change(s).									
nanç	Moti	on b	y/2 nd by	у		Naomune Taniguchi / TOKYO SEIMITSU CO., LTD./ Tsukasa Fukunaga / Inficon									
ange Option	Disc	ussi	on			None									
) tio						14	Y-0 N; Motion passed.								
		Result of Vote (check one)					2/3 ≤ [Negative is add change(s).]	ressed by the techni	ical		GO TO "Incorporation of the Technical Change" subsection				
							[Negative is not addrest change(s).] < 2/3	ssed by the technica	al		GO TO "Final" subsection → (E)				
		Mo	tion			Tc	incorporate the techn	ical change(s).							
	Inco Tec	Mo	tion by/	/2 nd k	ру	Naomune Taniguchi / TOKYO SEIMITSU CO., LTD./ Tsukasa Fukunaga / Inficon									
	rpor hnic	Dis	scussion			None									
	atio al C					14	Y-0 N; Motion passed.								
	Incorporation of the Technical Change		esult of		- I	X	90% ≤ [Agree to incorp	oorate.]			GO TO "Final" subsection → (F)				
	he e		(check one)				[Disagree to incorpora	te.] >10%			GO TO "Final" subsection → (E)				
: п	(ch	eck	one)				(B) Not related								

		(C)		
		(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
	X	(F)		
(check if applicable)		Comment genera		

V. Comments

V- (i) Voters' Comments
Commenter 1 (Vargas-Bernal, Rafael/ ITSdl) - Comment 1

ШЕ	me	ter 1 (Vargas-Bernal, Rafael/ ITSdl) - Comment 1									
Comment	*TF	/TC Chapter	r to f	fill in section/paragraph #, if necessary.							
ment	In s	In subsection 7.4.7 'Figure 5.and' must be reedited.									
	The TC Chapter agreed to do one of the following actions.										
	*No motion is required in this step.										
A		Already add	dres	sed by Commenter #, Comment #							
Action		No further a	actio	on was taken by the TC Chapter.							
		Refer to the	e TF	for more consideration.							
		New Busin	ess								
	Х	Editorial Ch	nang								
		Options		Case 1: No vote in this section:							
		for editorial		To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.							
		change		Case 2: Voted in this section:							
		(check one)	х	Original section number and at least one full sentence are required "FROM" and "TO" fields.							
		FROM: Section/Paragraph subsection 7.4.7 See Figure 5.and Figure 6.									
Ed	1	TO: Section/Paragraph subsection 7.4.7 See Figure 5 and Figure 6.									
Editorial Changes		Justification (If necessary) Remove "." After "Figure 5".									
hanges		FROM: Section/Paragraph xxx									
ĺ	2	TO: Section/Paragraph xxx									
		Justification (If necessary)									
М	otion	I	T	To approve above editorial change(s)							
M	Motion by/2 nd by			Naomune Taniguchi / TOKYO SEIMITSU CO., LTD./ Tsukasa Fukunaga / Inficon							

Discussion	None
Vote	14 Y-0 N; Motion passed.

This table is needed for each Comment accompanied a Vote

Commenter 2 (Kwakman, Laurens/FEI) - Comment 1

me	ente	r 2 (Kwak	ma	n, Laurens/FEI) - Comment 1						
Comment	*TF	/TC Chapte	er to	fill in section/paragraph #, if necessary.						
nent		the document is acceptable in terms of writing and definitions, but I cannot judge whether the choices for the values of all the various dimensions are correct.								
	The TC Chapter agreed to do one of the following actions.									
Δ	*No	motion is	requ	uired in this step.						
		Already ad	ddres	ssed by Commenter #, Comment #						
Action	Х	No further	further action was taken by the TC Chapter.							
٦		Refer to th	e TF	TF for more consideration.						
		New Busir	ness							
		Editorial C	hanç	ge						
		Options		Case 1: No vote in this section:						
		for editorial	Х	To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.						
		change (check		Case 2: Voted in this section:						
		one)		Original section number and at least one full sentence are required i "FROM" and "TO" fields.						
		FROM: Section/Paragraph xxx								
Fd	1	TO: Sect	Paragraph xxx							
Editorial Changes		Justification (If necessary)								
:hange		FROM: S	ectio	on/Paragraph xxx						
n	2	TO: Section/Paragraph xxx								
		Justificat	ion	on (If necessary)						
Motion			T	To approve above editorial change(s)						
M	otior	by/2 nd by	N	Name (Company)/Name (Company)						
Di	scus	ssion	×	XXXX						
Ve	ote		>	XX Y-XX N; Motion passed/failed.						

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

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	=	42	/	42] =	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.

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.

X

VIII. Safety Check
Note: See Regulations § 15 for further information.

	x	T is	his is not a still technica	not a Safety Document , when all safety-related information is removed, the Documer chnically sound and complete. (<i>Regulations</i> ¶ 8.7.1)									
Motion		This is a Safety Document, when all safety-related information is removed, the Documen 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 E throughout the balloting process. (<i>Regulations</i> ¶ 15.1.2)												
	Motion by/2 nd by			Naomune Taniguchi / TOKYO SEIMITSU CO., LTD./ Tsukasa Fukunaga / Inficon									
	Discussion			None									
	Vote			13 Y-0 N; Motion passed									

IX. Intellectual Property (IP) Check

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

х	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)							
	x	The question is NOT answered in affirmative (No potentially material patented technology or use/reproduction of copyrighted items/trademarks is known.)	GO TO SECTION X.					
		The question is answered in affirmative	Is any of the known IPs a patented		Yes, at least one of them is a patented technology	GO TO IX (a) "Patented Technology" subsection		
			technology?		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	(I) Known Patented Technology that might be relevant to	# Fill	technologies first became known to the TC Chapter on or after the day	Postpone assessment of such patented technologies to be performed at the next scheduled TC Chapter meeting.
numbe	r the Standard/Safety Guideline	Fill	(n) Number of patented technologies first became known to the TC Chapter before the day of the issuance of this Letter Ballot	GO TO IX (a2)

IX(a2) Assessment of disclosed patented technologies

Disclosed patented technology #1 (Brief description, e.g., patent title and number):				Date of Assessment (If different from the date of Letter Ballot adjudication) MM/DD/YYYY			
Is disclosed patented		YES (It is a PMPT)	Is the use of this PMPT technically justified?			YES	PROCEED to assess NEXT one, or if this is the last one, GO TO IX(a3)
technology #1 found to be "might be material" to the Standard/Safety Guideline?						NO	The Document is failed and returned to the TF
NO No further		er action is nee	ded f	or patente	ed 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									
		YES	PROCEED to check NEXT one, or if this is the last one, GO TO IX(b)						
Has an LOA for this patented technology		NO	MC		Ask ISC for sp	Ask ISC for special permission to publish.			
been received from every owner?			MOTION		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

# Fill	(o) Known copyrighted items that are used or reproduced to the	o > 0 There is at least one known copy righted items that might be relevant to the Standard/Safety Guideline	GO TO IX (b2)		
numbe	reproduced to the Standard/Safety Guideline	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		YES	Is the use/reproduction of	YES		PROCEED to assess NEXT one, or if this is the last one, GO TO IX(b3)
item #1 used or reproduced in the Standard/Safety Guideline?			this copyrighted item technically justified?		NO	The Document is failed and returned to the TF
		NO	No further action is nee	ded f	or copyrig	hted 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					CEED to assess NEXT one, or is the last one, GO TO IX(c)		
from its owner ?. NO ≥ Ask ISC for special permission to publish.					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)
	Mot	ion	by/ 2 nd by	Name (Company)/Name (Company)
	Disc	cuss	sion	XXXX
	Vot	е		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

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

IX(d) IP check completion condition check

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

X. Action for This Document

		This Document passed TC Chapter review as balloted and will be forwarded to the ISC A&F							
		SC for procedural review.							
M			s Document passed TC Chapter review with editorial changes and will be forwarded to the CA&R SC for procedural review.						
Motion	x	editorial ch	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 Docur	This Document failed TC Chapter review and will be returned to the TF for rework.						
		This Docur	ment failed TC Chapter review and work will be discontinued.						
ı		on by/ ^d by	Naomune Taniguchi / TOKYO SEIMITSU CO., LTD. / Tsukasa Fukunaga / Inficon						
	Disc	ussion	None						
	٧	ote	11 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.