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

Region/Locale: Korea

Global Technical Committee: Information & Control

TC Chapter Cochairs: Chulhong Ahn/ SK hynix, Hyungsu Kim/ Doople, Kelvin Lee/ Lam Research Standards Staff: Natalie Shim

	Scheduled in Background Statement	Actual
Date	02/01/2018	02/01/2018
Location	#305, Coex, Seoul	#305, Coex, Seoul

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

Document Information

I. Document Number, Title, Lists of Line Items

Document Nu	mber	Document Title
4946D		Line Item Revisions to SEMI E87-1017, Specification for Carrier Management (CMS) and E87.1-1017 Specification for SECS-II Protocol for Carrier Management (CMS); Add Carrier Ready To Unload Prediction Feature
tems Line Item 1		Line Item Title Add Carrier Ready To Unload Prediction Feature

Line Item 1 Adjudication

II. Tally

Standards staff to fill in.

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

Note: A minimum of 60% of the Voting Interests that have TC Members within the global technical committee that issued the Letter Ballot must return Votes. (*Regulations* ¶ 9.7.1.1)

Voting Tally (with example values):

Returned Vote		Distributio		Return Rate	
73	÷	120	=	60.8%	≥60%
47					
10		Total Vot	ers	with Rejects	13
48					
	73 47 10	73 ÷ 47	73 ÷ 120 47	73 ÷ 120 = 47	73 ÷ 120 = 60.8% 47

A&R Ballot Report Template (Line Item) Revision 1.4

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

III. Rejects Voting Interest Reject 1 (Voting Interest Name: TEL) Voter Reject 1 (Voter: Naoko Murata)

neg									
	Referenced Section/	*TF/TC Chapter to fill in, including text in the ballot if necessary.							
	Paragraph	Ove	Overall						
z		сор							
leg		Fun	ctions of 4946 needs to be written as a New Standard or	at least as an independent					
Negative		sect	ion in E87, and to clearly be states that they are optional.	Because;					
e	Negative Text	•	Insufficient expression as optional definitions misleads re-	eaders, as those definitions are					
			mandatory.						
		•	Insufficient separation from existing E87 confuses readers, which parts are						
			related.						
TE	input (optional)								
	input (optional)			GO TO "Related"					
	Withdrawal	Х	No Negative withdrawal made by Voter.	subsection					
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection \rightarrow (A)					
Rela ted	Motion and Reason X 'Relat (check one)		'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection					
Persuas ve	Motion and Reason		Negative is related and persuasive. (Needs >1/3 votes t	to pass.)					
Jasi	(check one)	x	K Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)						

											sting CARREIR It also gives
					formity to o						
							dditiona	al CMS	S Capal	bilities on	Table 39, it is
				clearly indicated that it is not a fundamental by describing "N" in							
											" column of the
											vare standards
					-	perfect exampl	-				
				• E30	0						
		R	eason	5.2 Object Attribute Representation — Th information models for standardized objects supported by an attribute definition table following column headings:					will be		
				At	ttribute Name	Definition	Access	Rqmt	Form		
				nar		Description of the information contained	RO or RW	Y or N	(See Section 4.2.4.)		
				 5.2.1 The Access column uses RO (Read Only) or RW (Read and Write) to indicate the access that users of the service have to the attribute. 5.2.2 A "Y" or "N" in the Requirement (Reqt) column indicates if this attribute must be supported in order to meet fundamental compliance for the service. 							
									order to		
	Motion by/ 2 nd by	Byeon	gmin Im	• me		al compliance fo			order to		
	Motion by/ 2 nd by Discussion	Byeon None	gmin Im	• me	et fundamenta	al compliance fo			order to		
	2 nd by	None		• me	et fundamenta Hyungsu Ki	al compliance fo			order to		
	2 nd by Discussion	None 11 Y -0) N ; Mot Vegative	• me	et fundamenta Hyungsu Ki sed. ed and	al compliance fo	r the serv		GO TC) "Addre ical Char	ss by nge Option"
	2 nd by	None 11 Y-0 [N pe) N ; Mot Jegative ersuasiv	• me (TEL)/ ion pass is relate /e.] > 1/3 • is relate	et fundamenta Hyungsu Kin sed. ed and 3 ed and not	nl compliance fo m (Doople) Is a technica change	r the service of the	vice.	GO TC Techn subse GO TC) "Addre ical Chai ction	
	2 nd by Discussion Result of Vote	None 11 Y-0 [N pe) N ; Mot legative ersuasiv legative ersuasiv	• me i (TEL)/ ion pass is relate /e.] > 1/3 • is relate /e.] < 2/3	et fundamenta Hyungsu Kir sed. ed and 3 ed and not 3	Is a technica change recommende (check one)	I ad?	Y N	GO TC Techn subse GO TC → (E)) "Addre ical Chai ction) "Final"	nge Option"
	2 nd by Discussion Result of Vote	None 11 Y-0 [N p6 [N p6 2/ a1) N; Mot legative ersuasiv legative ersuasiv /3 ≤ [Neg nd not p	• me (TEL)/ ion pass • is relate ve.] > 1/3 • is relate ve.] < 2/3 gative is ersuasiv	et fundamenta Hyungsu Kin sed. ed and 3 ed and not 3 s related ve.] < 90%	Is a technica change recommende	I ad?	Y N	GO TC Techn subse GO TC → (E)) "Addre ical Chai ction) "Final"	nge Option"
	2 nd by Discussion Result of Vote	None 11 Y-0 [N pe 2/ ar) N; Mot legative ersuasiv legative ersuasiv /3 ≤ [Ne nd not p 0% ≤ [N	• me (TEL)/ ion pass • is relate ve.] > 1/3 • is relate ve.] < 2/3 gative is ersuasiv	et fundamenta Hyungsu Kin sed. ed and 3 ed and not 3 s related ve.] < 90% is related	Is a technica change recommende (check one)	I ed?	Y N Sectio	GO TC Techn subse GO TC → (E) n → (C) "Addre ical Char ction) "Final")	nge Option" subsection
Sign	2 nd by Discussion Result of Vote	None 11 Y-0 [N pe 2/ ar X 90 ar be use	N; Mot Negative ersuasiv Negative ersuasiv /3 \leq [Neg nd not p 0% \leq [Ni nd not p od only '	• me (TEL)/ ion pass is relate /e.] > 1/3 is relate /e.] < 2/3 gative is ersuasiv egative i ersuasiv "if the T	et fundamenta Hyungsu Kin sed. ed and a related ve.] < 90% is related ve.] C Chapter	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	I ed?	Y N sectio cant F persu	GO TC Techn subse GO TC → (E) n → (C ïinding Jasive) "Addre ical Char ction) "Final") Option"	nge Option" subsection subsection
Not Significant	2 nd by Discussion Result of Vote (check one)	None 11 Y-0 [N pe 2/ ar 2/ ar be use o of the	N; Mot Vegative ersuasiv Vegative ersuasiv $\sqrt{3} \le [Neg nd not p 0% \le [Ni nd not p ed only '$	• me (TEL)/ ion pass is relate re.] > 1/3 is relate re.] < 2/3 gative is ersuasive ersuasive in resuasive is relate re.] < 2/3 gative is ersuasive is related re.] < 2/3 gative is ersuasive is related ersuasive is related ersuasive is related ersuasive is related ersuasive is related ersuasive is related ersuasive is related ersuasive is related ersuasive is related ersuasive is related ersuasive ersuasive ally agree	et fundamenta Hyungsu Kii sed. ed and 3 ed and not 3 erelated ve.] < 90% is related ve.] C Chapter is on the ac	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	I ed?	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC → (E) n → (C inding Jasive 4.4.2)) "Addre ical Char ction) "Final") Option" by a vote	nge Option" subsection subsection
ant	2 nd by Discussion Result of Vote (check one) This option can greater than 90% Use of "Not significant finding option" (check one)	None 11 Y-0 [N pe 2/ ar 2/ ar be use o of the	 N; Mot N; Mot Vegative ersuasiv Vegative ersuasiv /3 ≤ [Neight of p 0% ≤ [Night of p only f persoin is mutual 	• me (TEL)/ ion pass is relate /e.] > 1/3 is relate /e.] > 2/3 gative is ersuasive ersuasive iersuasive is rotin ally agree t".	et fundamenta Hyungsu Kin sed. ed and a related ve.] < 90% is related ve.] C Chapter ng on the ac	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	I ad?	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC \rightarrow (E) n \rightarrow (C inding Jasive 4.4.2) GO TC \rightarrow (D)) "Addre ical Char ction) "Final") Option" by a vote) "Final"	nge Option" subsection subsection e equal to or
Not Final Significant	2 nd by Discussion Result of Vote (check one) This option can greater than 90% Use of "Not significant finding option"	None 11 Y-0 [N pe 2/ ar 2/ ar be use o of the	N; Mot Negative ersuasiv Vegative ersuasiv /3 ≤ [Neg nd not p 0% ≤ [Neg nd not p 0% ≤ [Neg nd not p is mutua gnifican	me (TEL)/ ion pass is relate ve.] > 1/3 is relate ve.] < 2/3 gative is ersuasiv ersuasiv "if the T ns votin ally agree t".	et fundamenta Hyungsu Kin sed. ed and a ed and not a related ve.] < 90% is related ve.] < 90% is related ve.] C Chapter ig on the ac	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat ction". (<i>Regul</i>	I der h in	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC \rightarrow (E) n \rightarrow (C 'inding Jasive 4.4.2) GO TC \rightarrow (D) position) "Addre ical Char ction) "Final") Option" by a vote) "Final")	nge Option" subsection subsection e equal to or

	Х	(D)	Not significant (counted under j in di	sposition)		
(E) Related and persuasive and not addressed by technical change				DOCUMENT FAILS		
		(F)	Addressed by technical change (cour	nted under k disposition)		
(check if applicable)		Comment gener	ated. See Section V-(ii) Comment #.			

Voting Interest Reject 1 (Voting Interest Name: TEL) Voter Reject 2 (Voter: Mochizuki Tadashi) Negative 1

Neg	ative 1									
	Referenced Section/		TC Chapte	er to fill in, includin	g text in the ballo	ot if nec	essary			
-	Paragraph	N/A								
Negative	Negative Text	<mark>copi</mark> Abou exist	Driginal complete Negative text (e.g., issue, justification, suggestion) should be opied. bout CaRTUPStatusi (SV), when there is no carrier at load port, the carrier object does n kist and the status of the CARRIER READY TO UNLOAD PREDICTION at the load port i lo State". In this case, the value is not defined.							
TFi	nput (optional)									
	Withdrawal	x	No Negativ	ve withdrawal made	by Voter.		subse	O "Rela ection		
	(check one)		Withdrawa	I document received	d by Standards sta	ff on	GO T(→ (A)		l" subsection	
Rela ted	Motion and Reason <mark>(check one)</mark>	x	'Related' is	s mutually agreed up	oon. <mark>(Needs no m</mark> e	otion.)		O "Pers ection	suasive"	
				s related and persua s related and not pe If there is no car "PREDICTION DIS Definitions as Enur 19.2-Variable Data Definiti	rsuasive. (Needs ≥ rier at load port, SABLED" and it is merated definition.	:2/3 vot the val	es to p ue of	oass.) CaRTU		
				Table-37-Variable-Data Definitions						
				Variable Name -	Description .	Ty	DE #	Access .	Comment .	
Persuasive	Motion and Reason (check one)		Reason	<u>CaRTUPStatus</u> -	State of the Carrier Ready To-Unload Prediction.	Enumerat PREDICT DISABLI WAITING PREDICT PREDICT ABORTE PREDICT COMPLE	<u>ION</u> <u>ED</u> , <u>FOR</u> <u>ION</u> , <u>ED</u> , <u>ION</u> <u>D</u> , <u>ION</u>	<u>RO</u> #	÷	
				CaRTUPStatus,-	The current state of the carrier's READY TO- UNLOAD prediction at the <u>i</u> th-load port.	Enumerat PREDICT DISABLI WAITING PREDICT PREDICT ABORTE PREDICT COMPLE	ION D. GFOR ION, ED, ION D, ION	<u>RO</u> #	p:	
	Motion by/ 2 nd by	Byed	ongmin Im	(TEL)/ Hyungsu Kim	n (Doople)					
	Discussion	None	e							
		11 Y	-0 N; Motio	on passed.						
-										

	Result of Vote (check one)		[Negative is related persuasive.] > 1/3 [Negative is related persuasive.] < 2/3		Is a technical change recommended? (check one)	Y	Technical Change Option" subsection	
	2/3 ≤ [Negative is related and not persuasive.] < 90%		.] < 90%	GO TO "Final" s	ubsect			
		Х		90% ≤ [Negative is related and not persuasive.]			Finding Option" subsection	
N Sign	This option can be used only "if the TC Chapter finds a Negative not persuasive by a vote equal to o greater than 90% of the persons voting on the action". (<i>Regulations</i> ¶ 9.6.4.4.2)							
Not Significant	Use of "Not significant finding option" (check one)	x	It is mutually agreed significant".	t is mutually agreed upon to terr significant".			GO TO "Final" subsection → (D)	
			(A) V	Nithdrawn	(counted under	h in dis	position)	
			(B)	Not related	(counted under	i in dis	position)	
	(check if		(C) F	Related an	id not persuasive (significa	ant)	
Final	applicable)	X	(D)	Not signific	cant <mark>(counted und</mark>	ler j in o	disposition)	
a					d persuasive and by technical chan		DOCUMENT FAILS	
			(F) A	Addressed	by technical chan	ige <mark>(co</mark> l	inted under k disposition)	
	(check if applicable)		Comment generate	ed. <mark>See Se</mark>	ction V-(ii) Comn	nent #		

	Referenced Section/ Paragraph	* TF / 1.2.3	/TC Chapter to fill in, including text in the ballot if nec 3	essary.				
Negative	Negative Text	, suggestion) should be 0.7.8 but also existing Carrier e Definition (10.3.4). added as additional accept for section 10.7.8 is this function is fundamental etion, it should be clearly						
TF	input <mark>(optional)</mark>							
	Withdrawal	X No Negative withdrawal made by Voter.		GO TO "Related" subsection				
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection → (A)				
Rela ted	Motion and Reason (check one) X 'Related' is mutually agreed upon. (Needs no motion.)			GO TO "Persuasive" subsection				

		Negative	is relate	d and persu	uasive. <mark>(Needs</mark>	s >1/3 v	otes t	o pass.)
		X Negative	is relate	d and not p	ersuasive. (Ne	eds ≥2	/3 vot	es to pa	ass.)
Persuasive	Motion and Reason (check one)	Reason	 As clear "Re Obj nov E30 5.2 info sup foll Att The nam attr 5.2. (Re serv 5.2. indi 	4946D is for arly indicat equirement" ect Attribut v. E90 is a <i>Object Attribute</i> ormation mo ported by a owing column tribute Name formal text the of the ibute 1 The Access ad and Write vice have to t 2 A "Y" or cates if this	or adding an average of that it is column in Take to column in the term of the information contained to column uses a column	dditiona not a ole 39. " ing in n le of the tation - rdized o inition t Access RO or RW RO (Read access the uirement e suppor	I CMS funda N" de nany de case – The bjects table w <u>Rqmt</u> Y or N d Only hat use (Reqt) ted in	S Capabase amental scribed i other SE e object will be with the <i>Form</i> (See Section 4.2.4.)) or RW rrs of the	bilities on Table 39, it is by describing "N" in in "Rqmt" column of the EMI Software standards
	Motion by/	Byeongmin Im			al compliance fo m (Doople)	r the ser	vice.		
	2 nd by Discussion	None							
	DISCUSSION	11 Y -0 N ; Mot	ion nass	ed					
	Result of Vote	[Negative persuasiv	is relate	d and	ls a technica change recommende	ed?	Y	GO TO Techni subsec	• "Address by ical Change Option" ction
	(check one)	[Negative persuasiv		d and not	(check one)		Ν		"Final" subsection
		2/3 ≤ [Ne	gative is		GO TO "Final" subsection → (C)				
		\times 90% \leq [N and not p			GO TO "Not	Signifi	cant F	inding	Option" subsection
Sigr	•	and not persuasive.] GO TO Not significant rinning option is a can be used only "if the TC Chapter finds a Negative not persuasive by a vote n 90% of the persons voting on the action". (<i>Regulations</i> ¶ 9.6.4.4.2)						by a vote equal to or	
Not Significant	Use of "Not significant finding option" (check one)		It is mutually agreed upon to term the Negative "not significant". $GO TO "Final" subsection \rightarrow (D)$				"Final" subsection		
		A))	Withdrawn	(counted und	der h in	disp	osition)	
Final	(check if	(B	3)	Not related	d <mark>(counted un</mark>	der i in	disp	osition)	
al	applicable)	(C	;)		nd not persuas			,	
		Х (D)	Not signific	cant <mark>(counted</mark>	under	j in di	spositio	on)

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

Neg	ative 3							
	Referenced	*TF/TC Chapter to fill in, includ	ing text in the ballot if ne	ecessary.				
	Section/ Paragraph	1.2.2						
		*Original complete Negative text (e.g., issue, justification, suggestion) should be						
Ne		 copied. In this proposal "CaRTUPSe 	ettingTime" and "CaRTUP	TimeOut" are added as a carrier				
Negative	Negative Text	• In this proposal, "CaRTUPSettingTime" and "CaRTUPTimeOut" are added as a carrier attribute. However, it is not defined what kind of service messages this attribute can be						
ve		specified.						
		• I understand that you add to	the 1st rules of 10.3.5 Rul	es for Carrier Attributes.				
		However, I think that it is bet	ter to clarify what services	can be specified for these				
		attributes just like the 2nd rul	les of 10.3.5.					
TF	input <mark>(optional)</mark>							
	Withdrawal	X No Negative withdrawal mac	le by Voter.	GO TO "Related" subsection				
	(check one)	Withdrawal document receiv	GO TO "Final" subsection \rightarrow (A)					
Rela ted	Motion and Reason (check one)	X 'Related' is mutually agreed	GO TO "I					
		Negative is related and pers	uasive. <mark>(Needs >1/3 vote</mark> s	s to pass.)				
		X Negative is related and not p	oersuasive. <mark>(Needs ≥2/3 v</mark>	otes to pass.)				
Per	Motion and Reason <mark>(check one)</mark>	Attributes" a adding a se	nd the revised contents as econd rule, the E87 user an be used to set the attrik	ents of "10.3.5 Rules for Carrier shown below. Therefore, without s will understand which service outes of Carrier objects.				
rsuasive		● → The equipment Usage, CaRTU	shall change object attributes, Capacity,	ContentMap, SlotMap, Substrate count-and-Usage, vided by the host. All other attributes, such as nt				
	Motion by/ 2 nd by	Byeongmin Im (TEL)/ Hyungsu Kim (Doople) None						
	Discussion							
	Result of Vote (check one)	11 Y-0 N; Motion passed. [Negative is related and persuasive.] > 1/3	Is a technical change recommended?	GO TO "Address by Technical Change Option" subsection				
		[Negative is related and not persuasive.] < 2/3	(check one)	GO TO "Final" subsection → (E)				

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			2/3 ≤ [Negative is r and not persuasive 90% ≤ [Negative is	e.] < 90% s related	GO TO "Final" subsectio GO TO "Not Significant F	$n \rightarrow (C)$	
	This option can		and not persuasive sed only "if the TC		-	uasive by a vote equal to or	
Sigi	greater than 90%	of t	he persons voting	y on the ac	ction". (<i>Regulations</i> ¶ 9.6.4	4.4.2)	
Not Significant	Use of "Not significant finding option" (check one)	x	It is mutually agree significant".	ed upon to	term the Negative "not	GO TO "Final" subsection → (D)	
			(A)	Withdrawn	(counted under h in disp	osition)	
			(B)	Not related	l (counted under i in dispo	osition)	
	(check if		(C)	Related an	nd not persuasive (significant)		
Final	applicable)	Х	(D)	Not signific	ant <mark>(counted under j in di</mark>	sposition)	
al					d persuasive and not by technical change	DOCUMENT FAILS	
			(F)	Addressed	by technical change (counted under k disposition)		
	(check if applicable)		Comment generate	ed. <mark>See Se</mark>	ction V-(ii) Comment #		

Check only when the Document has not been failed.

4	Original	Original number (#) of Negatives (g)					
0	Number	of N	egatives withdrawn	(h)			
0	Number	of N	egatives found not related		(i)		
4	Number	of N	egatives found not significant		(j)		
0			egatives addressed by technic <mark>t significant)</mark>	al change <mark>(Negative</mark>	(k)		
		x	g - (h + i + j + k) = 0	Reject is Not Valid and denominator of § VI. A	is not included in the pproval Conditions Check		
	Final	e denominator of § VI. Check					
			Reject without a Negative	Not Valid			

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3) Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

Voting Interest Reject 2 (Voting Interest Name: SCREEN) Voter Reject 1 (Voter: Takayuki Nishimura) Negative 1

neg	ative 1								
	Referenced	TF/TC Chapter to fill in, including text in the ballot if ne	cessary.						
	Section/ Paragraph	.2.2							
Ne		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.							
gat	Negative Text	ddition of this proposal is optional. However, 1.2.2 Revise	section "10.3.5 Rules for Carrier						
Negative		ttributes" shows mandatory requirement. It is inconsistency	y. It is difficult for user to						
	negutive rext	nderstand which part is optional.							
		strongly recommend all of this proposal should combine or	ne additional section or, create						
		new standard and reference that.							
		is same as for							
16	input (optional)	 Reject 1 voter 1, Negative 1 submitted by Naoko N Reject 1 voter 2, Negative 2 submitted by Mochizu 							
	Withdrawal	X No Negative withdrawal made by Voter.	GO TO "Related" subsection						
	(check one)	Withdrawal document received by Standards staff on	GO TO "Final" subsection \rightarrow (A)						
Rela ted	Motion and Reason (check one)	X 'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection						
Persuasi ve	Motion and Reason	Negative is related and persuasive. (Needs >1/3 votes to pass.)							
Jasi	(check one)	X Negative is related and not persuasive. (Needs ≥2/3 vo	otes to pass.)						

			ea St un • As cle "R Of no • E3	asier for reade rate Model E niformity to ov s 4946D is fo early indicate Requirement" bject Attribute ow. E90 is a p 30	er and user to o Diagram rathe rerall E87. r adding an ac ed that it is column in Tab	understa r than s dditional not a ole 39. "N ing in m e of the	nd when it i standing ald CMS Capa fundamenta I" described any other S case.	er Object. So, it is much s with existing CARREIR one itself. It also gives abilities on Table 39, it is al by describing "N" in I in "Rqmt" column of the EMI Software standards
			su fo TI na at 5 (R se 5 ind	Attribute Name Attribute Name he formal text ame of the tribute 2.1 The Access Read and Write rvice have to the 2.2 A "Y" or dicates if this a	Definition Description of the information contained s column uses F) to indicate the	Access the Access Ac	ble with the Rqmt Form ζ or N (See Section 4.2.4.) Only) or RW at users of the Reqt) column ed in order to	
	Motion by/ 2 nd by	Byeongmi	n Im (TEL)	/ Hyungsu Ki	m (Doople)			
	Discussion	None						
		11 Y-0 N ;	Motion pas	ssed.				
	Result of Vote	persu	tive is rela asive.] > 1,	/3	ls a technica change recommende	ed?	Techi subse	O "Address by nical Change Option" ection
	(check one)		itive is rela asive.] < 2	ited and not	(check one))	N GO T → (E)	O "Final" subsection
		2/3 ≤	[Negative i		GO TO "Fina	al" subs		
		X 90% sand n	≤ [Negative ot persuas	e is related sive.]				g Option" subsection
Sigr	This option can greater than 90%							by a vote equal to or
Not Significant	Use of "Not significant finding option" (check one)	X It is m signifi		reed upon to	term the Nega	ative "not	GO T(→ (D)	O "Final" subsection
П			(A)	Withdrawn	(counted un	der h in	dispositior	1)
Final	(check if applicable)		(B)	Not related	d (counted un	der i in	disposition)
	· · · · ·		(C)	Related an	nd not persuas	ive (sign	ificant)	

	Х	(D)	Not significant (counted under j in di	sposition)
		(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		(F)	Addressed by technical change (cour	ited under k disposition)
(check if applicable)		Comment gener	rated. See Section V-(ii) Comment #	

Check only when the Document has not been failed.

1	Original	Original number (#) of Negatives (g)						
0	Number of Negatives withdrawn (h)							
0	Number	of N	egatives found not related		(i)			
1	Number	of N	egatives found not significant		(j)			
0			egatives addressed by technic <mark>t significant)</mark>	al change <mark>(Negative</mark>	(k)			
		x	g - (h + i + j + k) = 0	Reject is Not Valid and denominator of § VI. A	l is not included in the pproval Conditions Check			
	Final g - (h + i		g - (h + i + j + k) >0	Reject is included in the Approval Conditions C				
			Reject without a Negative	Not Valid				

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3) Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

Voting Interest Reject 3 (Voting Interest Name: MURATA) Voter Reject 1 (Voter: Shinichiro Imoto) Negative 1

	ative 1										
	Referenced Section/		-	ter to fill in, inclu	ding text in the bal	lot if	nec	essary.			
	Paragraph	1.2.7									
Ne		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.									
Negative		In 1(0.7.8.1,								
Ve	Negative Text	•	Additional "Carrier Ready To Unload" spec does not mention loading next carrier,								
			therefore nobody knows that this will be able to help reduce carrier exchange time.								
		•									
			This kind	of expression is ir	appropriate for any	stand	dard				
TF i	nput <mark>(optional)</mark>										
	Withdrawal	х	No Nega	tive withdrawal ma	de by Voter.			GO TO "Related" subsection			
((check one)		Withdraw	al document rece	ved by Standards s	taff o	n	GO TO "Final" subsection \rightarrow (A)			
Rela ted	Motion and Reason <mark>(check one)</mark>	х	'Related'	is mutually agreed	l upon. <mark>(Needs no ı</mark>	notic	on.)	GO TO "Persuasive" subsection			
	Motion and Reason <mark>(check one)</mark>		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 Carrier Loading is the role of HOST, not included in Scope of 4946.								
	Motion by/ 2 nd by	Bye	Byeongmin Im (TEL)/ Hyungsu Kim (Doople)								
Persuasive	Discussion	Non	е								
uas		11 Y -0 N ; Motion passed.									
ive	Result of Vote		[Negative persuasi\	e is related and /e.] > 1/3	ls a technical change recommended?		Y	GO TO "Address by Technical Change Option" subsection			
	(check one)		[Negative persuasi\	e is related and no /e.] < 2/3	(check one)		N	GO TO "Final" subsection → (E)			
			and not p	gative is related ersuasive.] < 90%	GO TO "Final" s	ubse					
		×90% ≤ [Negative is related and not persuasive.]GO TO "Not Significant Finding Option" subsection									
					r finds a Negative action". (<i>Regulatic</i>			uasive by a vote equal to or 4.4.2)			
Not Significant	Use of "Not significant finding option" (check one)	×It is mutually agreed upon to term the Negative "not significant".GO TO "Final" subsection → (D)						GO TO "Final" subsection → (D)			
-· ¬ı			(A)	Withdrav	vn (counted under	h in e	disp	osition)			

		(B)	Not related (counted under i in dis	position)
		(C)	Related and not persuasive (signification	ant)
(check if applicable)	Х	(D)	Not significant (counted under j in o	disposition)
applicable)		(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		(F)	Addressed by technical change (cou	Inted under k disposition)
(check if applicable)		Comment gene	erated. See Section V-(ii) Comment #	

Check only when the Document has not been failed.

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

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3) Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

Voting Interest Reject 4 (Voting Interest Name: HITACHI) Voter Reject 1 (Voter: Mitsuhiro Matsuda)

Neg	ative	1

	Referenced	*TF/	TC Chapter to fill in, including text in the ballot if nec	essary.					
-	Section/ Paragraph	1.2.1							
Negative		*Ori copi	ginal complete Negative text (e.g., issue, justification ied.	, suggestion) should be					
Ve	Negative Text	Addi	ition of "CaRTUPStatus", "CaRTUPSettingTime" and "Ca	RTUPTimeOut" to Table 6 is					
	noguiro roxe	not p	proper because Table 6 is a part of Fundamental CMS Re	equirement defined Table 39. It					
		shal	l be separated from Table 6 because it is optional capabi	lity of E87.					
TF	input (optional)		reject is same as for Reject 2 Voter 1 Negative 1 submit REEN)	ted by Takayuki Nishimura					
	Withdrawal	x	No Negative withdrawal made by Voter.	GO TO "Related" subsection					
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection \rightarrow (A)					
Rela ted	Motion and Reason (check one)	x	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection					
Persuas ve	Motion and Reason (check one)		Negative is related and persuasive. (Needs >1/3 votes 1	to pass.)					
Jasi			legative is related and not persuasive. (Needs ≥2/3 votes to pass.)						

				• •	4946D is a log	ic-based imple	ementat	tion or	n Carrie	er Object. So,	it is much
					easier for read						
					State Model D						
				1	to overall E87.						
				•	As 4946D is fo	or adding an a	dditiona		S Capal	bilities on Tab	le 39, it is
				clearly indicated that it is not a fundamental by describing "N" in							
					"Requirement"	column in Tab	ole 39. "	N" des	scribed	in "Rqmt" colu	umn of the
					Object Attribute	e has been us	ing in n	nany c	other SI	EMI Software	standards
					now. E90 is a p	perfect exampl	e of the	e case.			
				•	E30						
		R	eason	an diabata	5.2 <i>Object Attr</i> information mo- supported by a following colum	dels for standa n attribute defi	rdized o	bjects	will be		
					Attribute Name	Definition	Access	Rqmt	Form		
						Description of		Y or N			
					name of the attribute	the information contained	RW		Section 4.2.4.)		
					5.2.1 The Acces (Read and Write service have to the 5.2.2 A "Y" or) to indicate the he attribute. "N" in the Requ	access tl	hat use (Reqt)	rs of the column		
					meet fundamenta	attribute must b al compliance fo			order to		
	Motion by/ 2 nd by	Byeon	gmin Im			al compliance fo			order to		
		Byeong None	gmin Im		meet fundamenta	al compliance fo			order to		
	2 nd by	None	gmin Im N ; Mot	n (TEI	meet fundamenta L)/ Hyungsu Ki	al compliance fo			order to		
	2 nd by Discussion	None 11 Y -0 [N	N; Mot	ion p	meet fundamenta L)/ Hyungsu Kii bassed. Pated and	n (Doople) m (Doople) Is a technica change recommende	I ad?		GO TC) "Address by ical Change (
	2 nd by	None 11 Y-0 [N pe [N	N; Mot legative ersuasiv	ion p is re ve.] >	meet fundamenta L)/ Hyungsu Kii passed. elated and 1/3	n (Doople) m (Doople) Is a technica change	I ad?	vice.	GO TC Techn subse GO TC) "Address by ical Change (Option"
	2 nd by Discussion Result of Vote	None 11 Y-0 [N pe [N pe	N; Mot legative ersuasiv legative ersuasiv	ion p is re ve.] >	meet fundamenta L)/ Hyungsu Kin bassed. elated and 1/3 elated and not 2/3	Is a technica change (check one)	Il ad?	Y N	GO TC Techn subse GO TC → (E)) "Address by ical Change (ction) "Final" subs	Option"
	2 nd by Discussion Result of Vote	None 11 ¥-0 [N p€ 2/ ar	N; Mot legative ersuasiv legative ersuasiv /3 ≤ [Neg nd not p	ion p is re is re e is re ve.] < gative ersua	meet fundamenta L)/ Hyungsu Kii passed. elated and 1/3 elated and not 2/3 e is related asive.] < 90%	n (Doople) m (Doople) Is a technica change recommende	Il ad?	Y N	GO TC Techn subse GO TC → (E)) "Address by ical Change (ction) "Final" subs	Option"
	2 nd by Discussion Result of Vote	None 11 Y-0 [N pe 2/ ar y 90	N; Mot legative ersuasiv legative ersuasiv /3 ≤ [Neg nd not p	ion p is re ve.] > gative egative	meet fundamenta L)/ Hyungsu Kir passed. elated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related	Is a technica change recommende (check one)	Il ed?	Y N sectio	GO TC Techn subse GO TC → (E) n → (C) "Address by ical Change (ction) "Final" subs	Option" section
Sign	2 nd by Discussion Result of Vote	None 11 Y-0 [N pe 2/2 ar X 90 ar be use	N; Mot legative ersuasiv legative rsuasiv $3 \le [Netnd not p0\% \le [Netnd not pd only '$	ion p is re (e.] > is re ersua egative ersua "if the	meet fundamenta L)/ Hyungsu Kii bassed. elated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	Il ed?	Y N sectio cant F	GO TC Techn subse GO TC → (E) n → (C ïinding Jasive) "Address by ical Change (ction) "Final" subs) Option" sub	Option" section section
Not Significant	2 nd by Discussion Result of Vote (check one)	None 11 Y-0 [N pe [N pe 2/2 ar X 90 ar be used of the	legative ersuasiv legative $3 \le [Negnd not p0\% \le [Negnd not pd only '$	ion p is re ve.] > e is re ve.] < gative ersua egative ersua egative ally a	meet fundamenta L)/ Hyungsu Kii bassed. elated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	Il ed?	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC → (E) n → (C inding Jasive 4.4.2)) "Address by ical Change (ction) "Final" subs) Option" sub	Option" section section ial to or
	2 nd by Discussion Result of Vote (check one) This option can greater than 90% Use of "Not significant finding option" (check one)	None 11 Y-0 [N pe [N pe 2/2 ar X 90 ar be used of the	N; Mot legative ersuasiv legative ad not p 0% ≤ [Ne d not p d only ' e persor is mutua	ion p is re ve.] > is re ve.] < gative ersua egative ersua "if the ns vo ally a t".	meet fundamenta L)/ Hyungsu Kii bassed. elated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter oting on the ac	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	I subs Signific ive not ations	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC \rightarrow (E) n \rightarrow (C inding Jasive 4.4.2) GO TC \rightarrow (D)) "Address by ical Change (ction) "Final" subs) Option" subs by a vote equ) "Final" subs	Option" section section ial to or
Not Final Significant	2 nd by Discussion Result of Vote (check one) This option can greater than 90% Use of "Not significant finding option"	None 11 Y-0 [N pe [N pe 2/2 ar X 90 ar be used of the	N; Mot legative ersuasiv legative ersuasiv 3 ≤ [Neg nd not p 0% ≤ [Neg nd not p 0% ≤ [Neg nd not p chd not p d only ' e person is mutua	ion p is re ve.] > gative ersua "if the ns vo ally a t".	meet fundamenta L)/ Hyungsu Kii bassed. dated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter oting on the ac greed upon to Withdrawn	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat ction". (<i>Regul</i>	Il ed?	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC \rightarrow (E) n \rightarrow (C 'inding Jasive 4.4.2) GO TC \rightarrow (D) position) "Address by ical Change (ction) "Final" subs) Option" sub by a vote equ) "Final" subs	Option" section section ial to or

X (D) Not significant (counted under				sposition)
	(E)		Related and persuasive and not addressed by technical change	DOCUMENT FAILS
		(F)	Addressed by technical change (coun	ted under k disposition)
(check if applicable)		Comment generat	ted. See Section V-(ii) Comment #	

z	Referenced Section/ Paragraph		*TF/TC Chapter to fill in, including text in the ballot if necessary. 1.2.2								
Negative	_	<mark>cop</mark> §10.	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. §10.3.5 is a part of Fundamental CMS Requirement defined Table 39. It shall be separated from §10.								
TF	input (optional)	This reject is same as for Reject 2 Voter 1 Negative 1 submitted by Takayuki Nishimura (SCREEN)									
	Withdrawal	х	No Negative withdrawal made by Voter.	GO TO "Related" subsection							
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection → (A)							
Rela ted	Motion and Reason (check one)	x	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection							
Persu ve	Motion and Reason		Negative is related and persuasive. (Needs >1/3 votes to pass.)								
uasi	(check one)	х	Negative is related and not persuasive. <mark>(Needs ≥2/3 vot</mark>	es to pass.)							

				• 4	4946D is a log	ic-based imple	ementat	tion or	n Carrie	er Object. So, it is	s much
					easier for read	der/user to uno	derstan	d whe	n it is	with existing CA	RREIR
										. It also gives uni	
				1	to overall E87.						
				• /	As 4946D is fo	or adding an a	dditiona		S Capal	bilities on Table 3	39, it is
				clearly indicated that it is not a fundamental by describing "N" in "Requirement" column in Table 39. "N" described in "Rqmt" column of the Object Attribute has been using in many other SEMI Software standards now. E90 is a perfect example of the case.							
				•	E30						
		R	leason		5.2 <i>Object Attr</i> information mo- supported by a following colum	dels for standa n attribute defi	rdized o	bjects	will be		
					Attribute Name	Definition	Access	Rqmt	Form		
						Description of		Y or N			
					name of the attribute	the information contained	RW		Section 4.2.4.)		
					5.2.1 The Access (Read and Write service have to the service have the service h) to indicate the he attribute. "N" in the Requ	access tl	hat use (Reqt)	rs of the column		
					meet fundamenta	attribute must b al compliance fo			order to		
	Motion by/ 2 nd by	Byeon	ngmin Im			al compliance fo			order to		
		Byeon None	ngmin Im		meet fundamenta	al compliance fo			order to		
	2 nd by	None	ngmin Im D N ; Moti	ı (TEL	meet fundamenta L)/ Hyungsu Ki	al compliance fo			order to		
	2 nd by Discussion	None 11 Y- () N ; Mot	i (TEL	meet fundamenta L)/ Hyungsu Kii bassed. Pated and	n (Doople) m (Doople) Is a technica change recommende	I ad?		GO TC) "Address by ical Change Opt	tion"
	2 nd by	None 11 Y -C	N ; Mot Negative ersuasiv	ion p is re re.] >	meet fundamenta L)/ Hyungsu Kii passed. elated and 1/3	n (Doople) m (Doople) Is a technica change	I ad?	vice.	GO TC Techn subse GO TC) "Address by ical Change Opt	
	2 nd by Discussion Result of Vote	None 11 Y-C [N p	N ; Mot Negative ersuasiv Negative ersuasiv	ion p is re re.] >	meet fundamenta L)/ Hyungsu Kii passed. elated and 1/3	Is a technica change (check one)	Il ad?	Y N	GO TC Techn subse GO TC → (E)) "Address by ical Change Opt ction) "Final" subsec	
	2 nd by Discussion Result of Vote	None 11 Y-C [N p [N p 2 a	0 N; Moti Negative ersuasiv Negative ersuasiv /3 ≤ [Neç nd not p	ion p is re re.] > gative ersua	meet fundamenta L)/ Hyungsu Kin passed. elated and 1/3 elated and not 2/3 e is related asive.] < 90%	n (Doople) m (Doople) Is a technica change recommende	Il ad?	Y N	GO TC Techn subse GO TC → (E)) "Address by ical Change Opt ction) "Final" subsec	
	2 nd by Discussion Result of Vote	None 11 Y-C [N p 2 a a y 9	0 N; Moti Negative ersuasiv Negative ersuasiv /3 ≤ [Neç nd not p	ion p is re re.] > gative egative	meet fundamenta L)/ Hyungsu Kir passed. elated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related	Is a technica change recommende (check one)	Il ed?	Y N sectio	GO TC Techn subse GO TC → (E) n → (C) "Address by ical Change Opt ction) "Final" subsec	ction
Sign	2 nd by Discussion Result of Vote	None 11 Y-C [N p [N p 2 a x 9 a be use	Negative ersuasiv Negative ersuasiv /3 ≤ [Neg nd not p 0% ≤ [No nd not p ad only '	ion p is re re.] > is re re.] < gative ersua egative ersua "if the	meet fundamenta L)/ Hyungsu Kii bassed. elated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	Il ed?	Y N sectio cant F persu	GO TC Techn subse GO TC → (E) n → (C ïinding Jasive) "Address by ical Change Opt ction) "Final" subsec) Option" subsec	ction
Not Significant	2 nd by Discussion Result of Vote (check one)	None 11 Y-C [N P P 2 a 2 a be use o of the	Negative ersuasiv Negative ersuasiv $\sqrt{3} \le [Negnd not p0% \le [Nond not pe persor$	ion p is re re.] > gative ersua egative ersua if the ns vo	meet fundamenta L)/ Hyungsu Kii bassed. elated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	Il ed?	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC → (E) n → (C inding Jasive 4.4.2)) "Address by ical Change Opt ction) "Final" subsec) Option" subsec	ction ction to or
	2 nd by Discussion Result of Vote (check one) This option can greater than 90% Use of "Not significant finding option" (check one)	None 11 Y-C [N P P 2 a 2 a be use o of the	Negative ersuasiv Negative ersuasiv /3 \leq [Neg nd not p 0% \leq [Neg nd not p e persor is mutua	ion p is re re.] > gative ersua egative ersua "if the ns vo ally a t".	meet fundamenta L)/ Hyungsu Kii bassed. elated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter oting on the ac	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	I subs Signific ive not ations	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC \rightarrow (E) n \rightarrow (C inding Jasive 4.4.2) GO TC \rightarrow (D)) "Address by ical Change Opt ction) "Final" subsec) Option" subsec by a vote equal) "Final" subsec	ction ction to or
Not Final Significant	2 nd by Discussion Result of Vote (check one) This option can greater than 90% Use of "Not significant finding option"	None 11 Y-C [N P P 2 a 2 a be use o of the	D N; Moti Negative ersuasiv Vegative ersuasiv /3 ≤ [Neg nd not p 0% ≤ [No nd not p od only ' e persor is mutua ignifican	ion p is rei 'e.] > is rei ersua egative ersua "if the ns vo ally a t".	meet fundamenta L)/ Hyungsu Kii bassed. dated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter oting on the ac greed upon to Withdrawn	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat ction". (<i>Regul</i>	Il ed?	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC \rightarrow (E) n \rightarrow (C 'inding Jasive 4.4.2) GO TC \rightarrow (D) position) "Address by ical Change Opt ction) "Final" subsec) Option" subsec by a vote equal) "Final" subsec	ction ction to or

		Х	(D)				
				Related and persuasive and not addressed by technical change	DOCUMENT FAILS		
			(F)	Addressed by technical change (coun	ted under k disposition)		
	(check if applicable)		Comment genera	ted. See Section V-(ii) Comment #			

	allve s										
	Referenced Section/	*TF/	/TC Chapter to fill in, includi	ng text in the ball	ot if nec	essary.					
	Paragraph	1.2.	2								
Negative		сор	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.								
ative			No default value does exist for "CaRTUPSettingTime" and "CaRTUPTimeOut". Only way to								
, j	Negative Text	· · · ·	provide from host to equipment are "CarrierNotification", "CarrierReCreate" and/or								
			oceedWithCarrier". But these t e. I believe it needs default va								
		Casi									
TF	nput (optional)		r								
	Withdrawal	Х	No Negative withdrawal mad	e by Voter.		GO TO "Related" subsection					
	(check one)		Withdrawal document receive	ed by Standards st	aff on	GO TO "Final" subsection \rightarrow (A)					
Rela ted	Motion and Reason (check one)	x	'Related' is mutually agreed u	notion.)	GO TO "Persuasive" subsection						
			Negative is related and persuasive. (Needs >1/3 votes to pass.)								
	Motion and Reason	x	X Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)								
	(check one)		CaRTUPSettingTin Reason also will be set by F		imeOut "	are set by Host, and initial value					
Pe	Motion by/ 2 nd by	Bye	ongmin Im (TEL)/ Hyungsu Ki	m (Doople)							
ersu	Discussion	Non	e								
Persuasive		11 \	-0 N ; Motion passed.								
/e	Result of Vote		[Negative is related and persuasive.] > 1/3	ls a technical change recommended?	Y	GO TO "Address by Technical Change Option" subsection					
	(check one)		[Negative is related and not persuasive.] < 2/3	(check one)	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.]			Finding Option" subsection					
Not Sign			sed only "if the TC Chapter the persons voting on the a			uasive by a vote equal to or 4.4.2)					

	Use of "Not significant finding option" (check one)		It is mutually agro significant".	eed upon to term the Negative "not	GO TO "Final" subsection → (D)				
			(A)	Withdrawn (counted under h in disp	osition)				
			(B)	Not related (counted under i in disposition)					
	(check if		(C)	Related and not persuasive (significar	nificant)				
Final	applicable)	Х	(D)	Not significant (counted under j in di	disposition)				
a			(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS				
			(F)	Addressed by technical change (counted under k dispositio					
	(check if applicable)		Comment genera	comment generated. See Section V-(ii) Comment #					

<u> </u>									
	Referenced Section/	*TF/TC Chapter to fill in, including text in the ballot if necessary.							
7	Paragraph	1.2.4							
Negative		сор							
ve	Negative Text	Add	ition of "CARRIER READY TO UNLOAD PREDICTION S	TATUS" to Figure 2 is not					
	Negative Text	prop	per because Figure 2 is a part of Fundamental CMS Requ	irement defined Table 39. It					
		shal	I be separated from Figure 2 because it is optional capab	ility of E87.					
		It is similar to negative 1 and 2 in above which are submitted by same voter, Mitsuhiro							
1 - 1	input (optional)	Matsuda (HITACHI)							
	Withdrawal	х	No Negative withdrawal made by Voter.	GO TO "Related" subsection					
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection \rightarrow (A)					
Rela ted	Motion and Reason <mark>(check one)</mark>	х	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection					
Persuas ve	Motion and Reason		Negative is related and persuasive. (Needs >1/3 votes to pass.)						
Jasi	(check one)	х	Negative is related and not persuasive. <mark>(Needs ≥2/3 vot</mark>	es to pass.)					

				• 4	4946D is a log	ic-based imple	ementat	tion or	n Carrie	er Object. So, it is mu	uch
					easier for read	ler/user to uno	derstan	d whe	n it is	with existing CARRE	EIR
										. It also gives uniforn	
				t	to overall E87.						
				• /	As 4946D is fo	r adding an a	dditiona		S Capal	bilities on Table 39, i	it is
				clearly indicated that it is not a fundamental by describing "N" in "Requirement" column in Table 39. "N" described in "Rqmt" column of the Object Attribute has been using in many other SEMI Software standards now. E90 is a perfect example of the case.							
				•	E30						
		Re	eason	1	5.2 <i>Object Attr</i> information mos supported by a following colum	dels for standa n attribute defi	rdized o	bjects	will be		
					Attribute Name	Definition	Access	Rqmt	Form		
						Description of		Y or N			
						the information contained	RW		Section 4.2.4.)		
					5.2.1 The Access (Read and Write service have to the 5.2.2 A "Y" or indicates if this) to indicate the he attribute. "N" in the Requ	access tl	hat use (Reqt)	rs of the column		
					meet fundamenta				order to		
	Motion by/ 2 nd by	Byeong	gmin Im			al compliance fo			order to		
		Byeong None	gmin Im		meet fundamenta	al compliance fo					
	2 nd by	None	gmin Im N; Moti) (TEL	meet fundamenta L)/ Hyungsu Kii	al compliance fo					
	2 nd by Discussion	None 11 Y -0	N; Moti	ion pa	meet fundamenta L)/ Hyungsu Kii assed. lated and	al compliance fo	r the serv		GO TC	D "Address by hical Change Option	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	2 nd by	None 11 Y-0 [Ne [Ne	N; Moti egative rsuasiv egative	ion p is rel re.] >	meet fundamenta L)/ Hyungsu Kin assed. lated and 1/3 lated and not	nl compliance fo m (Doople) Is a technica change	r the service of the	vice.	GO TC Techn subse GO TC	D "Address by hical Change Option	
	2 nd by Discussion Result of Vote	None 11 Y-0 [Ne pe 2/3	N; Moti egative rsuasiv egative rsuasiv 3 ≤ [Neg	ion pa is rel 'e.] > is rel re.] < gative	meet fundamenta L)/ Hyungsu Kin assed. lated and 1/3 lated and not 2/3 e is related	Is a technica change recommende (check one)	I ad?	Y N	GO TC Techn subse GO TC → (E)	D "Address by lical Change Option liction D "Final" subsectior	
	2 nd by Discussion Result of Vote	None 11 Y-0 [Ne pe 2/3 an	N; Moti egative rsuasiv egative rsuasiv 3 ≤ [Neg d not po	ion pa is rel re.] > gative ersua	meet fundamenta L)/ Hyungsu Kin assed. lated and 1/3 lated and not 2/3 e is related asive.] < 90%	Is a technica change recommende (check one)	I ed?	Y N sectio	GO TC Techn subse GO TC → (E) n → (C	D "Address by lical Change Option oction D "Final" subsectior	n
	2 nd by Discussion Result of Vote (check one)	None 11 Y-0 [Ne pe [Ne pe 2/3 an X 90 an	N ; Moti egative ersuasiv egative rsuasiv $3 \le [Negd not pointof Negd not pointof not pointof not point$	ion p is rel re.] > is rel re.] < gative ersua egative ersua	meet fundamenta L)/ Hyungsu Kin assed. lated and 1/3 lated and not 2/3 e is related asive.] < 90% ve is related asive.]	al compliance fo m (Doople) Is a technica change recommende (check one) GO TO "Fina GO TO "Not	I ed?	Y N sectio cant F	GO TC Techn subse GO TC → (E) n → (C ïinding	D "Address by lical Change Option action D "Final" subsection	n n
Sign	2 nd by Discussion Result of Vote (check one)	None 11 Y-0 [Ne pe 2/3 an X 90 an be used	N; Moti egative rsuasiv egative rsuasiv $3 \le [Negd not pointof not pointof not pointof not pointof not point$	ion pa is rel 'e.] > is rel 'e.] < gative ersua egative ersua "if the	meet fundamenta L)/ Hyungsu Kin assed. lated and 1/3 lated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	I ed?	Y N sectio cant F	GO TC Techn subse GO TC → (E) n → (C ïinding Jasive	D "Address by lical Change Option oction D "Final" subsectior	n n
Not Significant	2 nd by Discussion Result of Vote (check one)	None 11 Y-0 [Ne pe 2/3 an x 90 an be used of the	N ; Moti egative rsuasiv $a \leq [Negd not poission of the secondof the second of the secondof the second of the second of the secondof the second of the$	ion particle is relive.] < is relive.] < gative ersua egative ersua if the ns vo	meet fundamenta L)/ Hyungsu Kin assed. lated and 1/3 lated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	I ed?	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC → (E) n → (C inding Jasive 4.4.2)	D "Address by lical Change Option action D "Final" subsection	n n or
	2 nd by Discussion Result of Vote (check one) This option can greater than 90% Use of "Not significant finding option" (check one)	None 11 Y-0 [Ne pe 2/3 an x 90 an be used of the	N; Moti egative ersuasiv egative rsuasiv 3 ≤ [Neg d not po d not po d not po d not po persor s mutua	ion particular is relive.] > is relive.] > is relive.] < gative ersua egative ersua 'if the ns vo ally as	meet fundamenta L)/ Hyungsu Kin assed. lated and 1/3 lated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter oting on the ac	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	I ad?	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC \rightarrow (E) n \rightarrow (C inding Jasive 4.4.2) GO TC \rightarrow (D)	D "Address by lical Change Option ection D "Final" subsection) Option" subsection by a vote equal to o D "Final" subsection	n n or
Not Final Significant	2 nd by Discussion Result of Vote (check one) This option can greater than 90% Use of "Not significant finding option"	None 11 Y-0 [Ne pe 2/3 an x 90 an be used of the	N; Moti egative rsuasiv egative d not pe d not pe d not pe d only ' persor s mutua	ion particular is relive.] > is relive.] > gative ersua egative ersua "if the ns vo ally a t".	meet fundamenta L)/ Hyungsu Kin assed. lated and 1/3 lated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter oting on the ac greed upon to Withdrawn	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat ction". (<i>Regul</i>	I der h in	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC \rightarrow (E) n \rightarrow (C 'inding Jasive 4.4.2) GO TC \rightarrow (D) position	D "Address by lical Change Option action D "Final" subsection) Option" subsection by a vote equal to o D "Final" subsection)	n n or

	X (D) Not significant (counted under j in disposit				sposition)		
				Related and persuasive and not addressed by technical change	DOCUMENT FAILS		
			(F)	Addressed by technical change (coun	ted under k disposition)		
	(check if applicable)		Comment genera	nent generated. See Section V-(ii) Comment # X.			

<u> </u>										
	Referenced Section/ Paragraph	* TF/ 1.2.3	TC Chapter to fill in, including text in the ballot if nec 7	essary.						
Negative		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied. In Figure 3 and 10.7.8.2, It is difficult to understand the difference "predicted time" and "estimated time". My understanding is that "predicted time" is calculated only once for each Carrier at Tc0. And "estimated time" is calculated many times at Tc1, Tc2 and Tcn, and compared with "predicted time". It needs to improve Figure 3 and ¶10.7.8.2. I propose change from "estimated time" to "periodical calculated predicted time".								
TF	input <mark>(optional)</mark>									
	Withdrawal	x	No Negative withdrawal made by Voter.	GO TO "Related" subsection						
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection \rightarrow (A)						
Rela ted	Motion and Reason (check one) X 'Related' is mut		'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection						
Persuas ve	Motion and Reason		Negative is related and persuasive. (Needs >1/3 votes to pass.)							
Jasi	(check one)	x	Negative is related and not persuasive. (<mark>Needs ≥2/3 vot</mark>	is related and not persuasive. (Needs ≥2/3 votes to pass.)						

-										
					k from ma					estimated time" is based on Id I think it is not difficult to
				And, Figure 3 Carrier Ready To Unload Prediction Behavior and Tp and Te definition below clearly illustrates the difference between the two expressions.						
				uennitioi		any musuate		JIIIEI	ence	
			Reason		PF	REDICTED	Predicted		TO UN	LOAD
				Time	• →	Tc				Tp Te
						Carrier Rea		gure 3 Iload P	redicti	ion Behavior
										he time for READY TO UNLOAD. At this
				time Tc the equipment calculates that the carrier will be ready for pick-up at the predicted time Tp. After this time Tc the equipment calculates continually the actual time Te at which the carrier can actually be picked up. The two interval times T_i1 and T_i2 represent the time between the current time and the predicted time as well as between predicted time and actual time of readiness for unload, respectively.						
				• <u>Tc: The time of the condition calculation.</u>						
				 <u>Tp: The predicted time when the carrier's load port will be READY TO UNLOAD at Tc.</u> <u>Te: The estimated time when the carrier's load port will be READY TO UNLOAD after Tc.</u> 						
				 <u>T_i1</u>: The time interval in seconds between Tc and Tp(T_i1 = Tp - Tc) <u>T_i2</u>: The time interval in seconds between Tp and Te(T_i2 = Te - Tp). 						
	Motion by/ 2 nd by	Byeo	ongmin Im	n (TEL)/ Hyungsu Kim (Doople)						
	Discussion	None	e							
		11 Y	′-0 N ; Mot	ion pass	ed.					
	Result of Vote		[Negative persuasiv			ls a techni change recommen			Y	GO TO "Address by Technical Change Option" subsection
	(check one)		persuasiv	/e.] < 2/3	d and not	(check or	ie)		N	GO TO "Final" subsection → (E)
			2/3 ≤ [Neg and not p			GO TO "Fi	nal" si	ubse	ctio	n → (C)
		x	90% ≤ [N and not p	0		GO TO "Not Significant Finding Option" subsection				
Sian	This option can greater than 90%	be us	sed only '	"if the T	C Chapter					uasive by a vote equal to or 4.4.2)
Not Significant	Use of "Not significant finding option" (check one)		It is mutu significan		ed upon to	term the Negative "not				GO TO "Final" subsection → (D)
i			(A)	Withdrawn	n (counted under h in disposition)				

			(B) Not related (counted under i in disposition)						
	(check if applicable)		(C)	Related and not persuasive (significant)					
		Х	(D)	Not significant (counted under j in disposition)					
	applicable)		(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS				
			(F)	Addressed by technical change (cou	inted under k disposition)				
	(check if applicable)		Comment gene	nent generated. See Section V-(ii) Comment #					

Voting Interest Reject 4 (Voting Interest Name: HITACHI) Voter Reject 2 (Voter: Toyoshima Yuko) Negative 1

neg	ative 1	-								
	Referenced Section/	*TF/	TC Chapt	ter to fill in, in	cluding text in	the ba	allot if	neces	sary.	
Ne	Paragraph	1.2.4	1							
Negative		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.								
Ū.	Negative Text	It is not specified in State model of added 'CARRIER READY TO UNLOAD PREDICTION								
		STA	TUS' that	it is additional	CMS Capabilit	es.				
TF i	nput (optional)									
Withdrawal (check one)		Х	No Nega	tive withdrawal	made by Vote			S	O TO "Related" ubsection	
			Withdraw	al document re	eceived by Star	ndards	staff or	n 1	O TO "Final" subsection ▶ (A)	
Rela ted	Motion and Reason <mark>(check one)</mark>	x	X 'Related' is mutually agreed upon. (Needs no motion.) GO TO "Persuasive" subsection							
			Negative	is related and	persuasive. <mark>(N</mark>	eeds >	1/3 vot	es to	pass.)	
		х	Negative	is related and not persuasive. (Needs ≥2/3 votes to pass.)						
				As 4946D is for adding an additional CMS Capabilities on Table 39, it is clearly						
			indicated that it is not a fundamental by describing "N" in "Requirement" colu							
			Reason	in Table 39Therefore, it is obvious that added item in Figure 2 is additional.						
				"N" described in "Rqmt" column of the Object Attribute has been using in many						
				other SEMI Software standards now. E90 is a perfect example of the case.						
	Motion and			E30 5.2 Object Attribute Representation — The object						
Persuas	Motion and Reason <mark>(check one)</mark>			5.2 Object Attribute Representation — The object information models for standardized objects will be supported by an attribute definition table with the following column headings:						
asive				Attribute Name	Definition	Access	Rqmt	Form		
e				The formal text name of the attribute	Description of the information contained	RO or RW	Y or N	(See Section 4.2.4.)		
				5.2.1 The Access column uses RO (Read Only) or RW (Read and Write) to indicate the access that users of the service have to the attribute.						
				indicates if this	"N" in the Requ attribute must b al compliance fo	e suppo	rted in o			
	Motion by/ 2 nd by	Byed	ongmin Im	n (TEL)/ Hyung	su Kim (Doople	e)				
	Discussion	None	e							
		<mark>11 Y</mark>	-0 N ; Mot	ion passed.						

	Result of Vote	[Negative is related and persuasive.] > 1/3 ote [Negative is related and not		Is a technical change recommended? (check one)		•	GO TO "Address by Technical Change Option" subsection GO TO "Final" subsection		
	(check one)		persuasive.] < 2/3	d and not	(0.0000000)		IN	→ (E)	
			2/3 ≤ [Negative is r and not persuasive		GO TO "Final" s	ubsec	ctio		
		×	90% ≤ [Negative is and not persuasive		nt F	inding Option" subsection			
l Sign	This option can be used only "if the TC Chapter finds a Negative not persuasive by a vote								
Not Significant	Use of "Not significant finding option" (check one)	x	It is mutually agree significant".	d upon to	term the Negative	"not		GO TO "Final" subsection → (D)	
			(A)	Withdrawn	(counted under	h in di	isposition)		
			(B)	Not related	d (counted under	i in di	spo	osition)	
	(check if		(C)	Related ar	nd not persuasive (signifi	can	t)	
Final	applicable)	Х	(D)	Not signific	cant <mark>(counted unc</mark>	ler j in	n di	sposition)	
a					d and persuasive and not sed by technical change			DOCUMENT FAILS	
			(F) /	Addressed	l by technical chan	ige <mark>(cc</mark>	oun	ted under k disposition)	
	(check if applicable)		Comment generate	ed. <mark>See Se</mark>	ection V-(ii) Comn	nent #	Χ.		

	Referenced Section/	*TF/TC Chapter to fill in, including text in the ballot if necessary.							
	Paragraph	1.2.3							
Negative		*Ori cop	ginal complete Negative text (e.g., issue, justification ied.	, suggestion) should be					
ati∖		Beca	ause only 10.7.8 is listed in 'CMS Section' of table 39, it is	s understood that the contents					
/e	Negative Text	of th	is listed other than 10.7.8 are also required to co	mpliant to E87. Therefore, this					
			cription method is not accepted. To avoid user's confusion						
		cont	ents of this ballot list it in one place in a new section in a	mass.					
		This	reject is same as for Reject 1 Voter 2 Negative 2 submitted	ted by Mochizuki Tadashi					
TFi	nput (optional)	(TEI	_)						
	Withdrawal	х	No Negative withdrawal made by Voter.	GO TO "Related" subsection					
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection \rightarrow (A)					
Rela ted	Motion and Reason <mark>(check one)</mark>	X 'Related' is mutually agreed upon. (Needs no motion.) GO TO "Persuasive" subsection							
	Motion and Reason		Negative is related and persuasive. (Needs >1/3 votes t	o pass.)					

	(check one)	х	Negative	is related	d and not n	ersuasive. (Ne	eds >:	2/3 vo	tes to pass.)	
		~	Negative	-	-				S Capabilities on Table 39, it is	
						•			amental by describing "N" in	
									,	
									escribed in "Rqmt" column of the	
				Object Attribute has been using in many other SEMI Software standards now. E90 is a perfect example of the case.						
						perfect exampl	e of th	e case	9.	
				• E30					4.6. 2	
			Reason	info supp	rmation mo	vibute Represent dels for standar in attribute defi in headings:	dized	objects	will be	
				Att	ribute Name	Definition	Access	Rqm	Form	
P				nam	formal text he of the bute	Description of the information contained	RO or RW	Y or 1	V (See Section 4.2.4.)	
Persuasive				(Rea serv 5.2.: indi	ad and Write ice have to t 2 A "Y" or cates if this	ss column uses F b) to indicate the he attribute. "N" in the Requ attribute must be al compliance for	access iremen e suppo	that us t (Req orted in) column	
	Motion by/			ince	t fundamente	ar compliance io.	i the se	ivice.		
	Motion by/ 2 nd by	Bye	ongmin Im	n (TEL)/ H	Hyungsu Ki	m (Doople)				
	Discussion	Non	е							
		11 Y -0 N ; Motion passed.								
	Beault of Vote	[Negative is re persuasive.] >				ls a technica change recommende		Y	GO TO "Address by Technical Change Option" subsection	
	Result of Vote (check one)		[Negative is related and not persuasive.] < 2/3			(check one)		N	GO TO "Final" subsection → (E)	
				ersuasiv	e.] < 90%	GO TO "Fina	GO TO "Final" subsection \rightarrow (C)			
		x	90% ≤ [N and not p			GO TO "Not Significant Finding Option" subsection				
l Sigr	This option can greater than 90%		sed only '	"if the T(C Chapter				suasive by a vote equal to or .4.4.2)	
Not Significant	Use of "Not significant finding option" (check one)	×	lt is mutu significan		ed upon to	term the Nega	tive "n	ot	GO TO "Final" subsection → (D)	
			A))	Withdrawn	(counted und	der h i	n disp	oosition)	
			(E	5)	Not related	d (counted un	der i ir	n disp	osition)	
Final	(check if		(C	;)	Related ar	nd not persuasi	ive (sig	gnifica	nt)	
<u>a</u>	applicable)	Х	(D)	Not signific	cant <mark>(counted</mark>	under	j in d	isposition)	
			(E	:)		nd persuasive a by technical c			DOCUMENT FAILS	

	(F) Addressed by technical change (counted under k disposition)
(check if applicable)	Comment generated. See Section V-(ii) Comment #

Check only when the Document has not been failed.

7	Original	num	ber (#) of Negatives		(g)			
0	Number	of N	egatives withdrawn	(h)				
0	Number	of N	egatives found not related		(i)			
7	Number	of N	egatives found not significant		(j)			
0			egatives addressed by technic <mark>t significant)</mark>	al change <mark>(Negative</mark>	(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 denominator of § VI. Approval Conditions Check				
			Reject without a Negative	Not Valid				

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3) Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

Voting Interest Reject 5 (Voting Interest Name: Yokogawa) Voter Reject 1 (Voter: Takashi Nakagawa) Negative 1

Nega	ative 1													
	Referenced Section/	* TF /	-	ter to fill	in, includii	ng text in the bal	lot if	nec	essary.					
Neg	Paragraph		-	nplete N	egative tex	t (e.g., issue, just	tifica	tion	, suggestion) should be					
Negative		copied. In Figure 3 and 10.7.8.2,												
Ū	Negative Text	The	The difference of predicted and estimated is unclear and hard to understand. The definition											
		of th	em shoul	d be add	ed into secti	ion 5.2 and explai	ned ir	n de	tail before figure 3.					
TF ii	nput <mark>(optional)</mark>													
1	Withdrawal	х	No Nega	tive with	drawal made	e by Voter.			GO TO "Related" subsection					
(check one)		Withdraw	val docur	nent receive	ed by Standards st	taff or	n	GO TO "Final" subsection \Rightarrow (A)					
Rela ted	Motion and Reason (check one)	X 'Related' is mutually agreed				ipon. <mark>(Needs no r</mark>	notio	on.)	GO TO "Persuasive" subsection					
			Negative	is relate	d and persu	asive. <mark>(Needs >1</mark> /	/3 vot	tes t	o pass.)					
	Motion and Reason	Х	3											
	(check one)		The interpretation of "predicted time" and "estimated time" is basReasonfeedback from previous ballots. It is general term of the industry so it w											
				be nece	essary.									
Per	Motion by/ 2 nd by	Bye	Byeongmin Im (TEL)/ Hyungsu Kim (Doople)											
sua	Discussion	Non	е											
Persuasive		11 Y-0 N; Motion passed.												
	Result of Vote	[Negative is related and persuasive.] > 1/3				ls a technical change recommended?		Y	GO TO "Address by Technical Change Option" subsection					
	(check one)		[Negative persuasi\		ed and not 3	(check one)		Ν	GO TO "Final" subsection → (E)					
			2/3 ≤ [Ne	gative is		GO TO "Final" subsection \rightarrow (C)								
		x	90% ≤ [N and not p	legative i	is related	GO TO "Not Significant Finding Option" subsection								
						finds a Negative tion". (<i>Regulatio</i>			uasive by a vote equal to or 4.4.2)					
Not Significant	Use of "Not significant finding option" (check one)	x	It is mutu significan		ed upon to t	o term the Negative "not GO TO "Final" subsection → (D)								
. –		(A) Withdrawn (counted under h in disposition)							osition)					
Fin al	(check if applicable)		(/	4)			(B) Not related (counted under i in dispositi							

		(C)	Related and not persuasive (significa	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 (cou	inted under k disposition)				
(check if applicable)								

Check only when the Document has not been failed.

1	Original	num	ber (#) of Negatives		(g)			
0	Number	of N	egatives withdrawn	es withdrawn (h)				
0	Number	of N	egatives found not related		(i)			
1	Number	of N	egatives found not significant		(j)			
0			egatives addressed by technic <mark>t significant)</mark>	al change <mark>(Negative</mark>	(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 denominator of § VI. Approval Conditions Check				
			Reject without a Negative	Not Valid				

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3) Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

Voting Interest Reject 6 (Voting Interest Name: TokyoSeimitsy) Voter Reject 1 (Voter: Mie Sasaki) Negative 1

neg	ative 1								
	Referenced Section/ Paragraph		TC Chapter to fill in, including text in the ballot if nec 2, 1.2.3 and 1.2.4	essary.					
		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.							
z		In Table 39 of E87-1017, 'Carrier Object Implementation (section 10)' is 'Fundamental							
Negative			CMS Requirements'. Although section 10.7.8 is proposed	d to be added as 'Additional					
ativ			CMS Capabilities' in this proposal, the section 10 remain	' Fundamental CMS					
Ū.	Negative Text		Requirements' as described above. So this proposal is in	consistent with E87-1017.					
		•	Also, in this proposal, changes are also included in parts	other than section 10.7.8,					
		such as section 10.3 and 10.7.2. We believe these changes will be treated as							
			'Fundamental CMS Requirements'. This change affects great amount of CMS-						
			compliant equipment because this proposal is not optiona	al.					
		This reject is same as for							
TF	input (optional)		Reject 1 Voter 2 Negative 2 submitted by Mochizuki Tadashi (TEL)						
			Reject 2 Voter 1 Negative 1 submitted by Takayuki Nishimura (SCREEN)						
	Withdrawal	x	No Negative withdrawal made by Voter.	GO TO "Related" subsection					
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection \rightarrow (A)					
Rela ted	Motion and Reason (check one)	x	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection					
Persuas ve	Motion and Reason		Negative is related and persuasive. (Needs >1/3 votes to pass.)						
Jasi	(check one)	x	Negative is related and not persuasive. (Needs ≥2/3 vot	es to pass.)					

				• 4	4946D is a log	ic-based imple	ementat	tion or	n Carrie	er Object. So, it is	s much
					easier for read	der/user to uno	derstan	d whe	n it is	with existing CA	RREIR
										. It also gives uni	
				1	to overall E87.						
				• /	As 4946D is fo	or adding an a	dditiona		S Capal	bilities on Table 3	39, it is
					clearly indicat	ed that it is	not a	funda	amental	by describing	"N" in
				"Requirement" column in Table 39. "N" described in "Rqmt" column of the							
					Object Attribute	e has been us	ing in n	nany c	other SI	EMI Software sta	indards
					now. E90 is a perfect example of the case.						
				•	E30						
		R	leason	5.2 <i>Object Attribute Representation</i> — The object information models for standardized objects will be supported by an attribute definition table with the following column headings:							
					Attribute Name	Definition	Access	Rqmt	Form		
						Description of		Y or N			
					name of the attribute	the information contained	RW		Section 4.2.4.)		
					5.2.1 The Access (Read and Write service have to the service have the service h) to indicate the he attribute. "N" in the Requ	access tl	hat use (Reqt)	rs of the column		
					meet fundamenta	attribute must b al compliance fo			order to		
	Motion by/ 2 nd by	Byeon	ngmin Im			al compliance fo			order to		
		Byeon None	ngmin Im		meet fundamenta	al compliance fo			order to		
	2 nd by	None	ngmin Im D N ; Moti	ı (TEL	meet fundamenta L)/ Hyungsu Ki	al compliance fo			order to		
	2 nd by Discussion	None 11 Y- () N ; Mot	i (TEL	meet fundamenta L)/ Hyungsu Kii bassed. Pated and	n (Doople) m (Doople) Is a technica change recommende	I ad?		GO TC) "Address by ical Change Opt	tion"
	2 nd by	None 11 Y -C	N ; Mot Negative ersuasiv	ion p is re re.] >	meet fundamenta L)/ Hyungsu Kii passed. elated and 1/3	n (Doople) m (Doople) Is a technica change	I ad?	vice.	GO TC Techn subse GO TC) "Address by ical Change Opt	
	2 nd by Discussion Result of Vote	None 11 Y-C [N p	N ; Mot Negative ersuasiv Negative ersuasiv	ion p is re re.] >	meet fundamenta L)/ Hyungsu Kii passed. elated and 1/3	al compliance fo m (Doople) Is a technica change recommende (check one)	Il ad?	Y N	GO TC Techn subse GO TC → (E)) "Address by ical Change Opt ction) "Final" subsec	
	2 nd by Discussion Result of Vote	None 11 Y-C [N p [N p 2 a	0 N; Moti Negative ersuasiv Negative ersuasiv /3 ≤ [Neç nd not p	ion p is re re.] > gative ersua	meet fundamenta L)/ Hyungsu Kii passed. elated and 1/3 elated and not 2/3 e is related asive.] < 90%	n (Doople) m (Doople) Is a technica change recommende	Il ad?	Y N	GO TC Techn subse GO TC → (E)) "Address by ical Change Opt ction) "Final" subsec	
	2 nd by Discussion Result of Vote	None 11 Y-C [N p 2 a a y 9	0 N; Moti Negative ersuasiv Negative ersuasiv /3 ≤ [Neç nd not p	ion p is re re.] > gative egative	meet fundamenta L)/ Hyungsu Kir passed. elated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related	Is a technica change recommende (check one)	Il ed?	Y N sectio	GO TC Techn subse GO TC → (E) n → (C) "Address by ical Change Opt ction) "Final" subsec	ction
Sign	2 nd by Discussion Result of Vote	None 11 Y-C [N p [N p 2 a x 9 a be use	Negative ersuasiv Negative ersuasiv /3 ≤ [Neg nd not p 0% ≤ [No nd not p ad only '	ion p is re re.] > is re re.] < gative ersua egative ersua "if the	meet fundamenta L)/ Hyungsu Kii bassed. elated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	Il ed?	Y N sectio cant F	GO TC Techn subse GO TC → (E) n → (C ïinding Jasive) "Address by ical Change Opt ction) "Final" subsec) Option" subsec	ction
Not Significant	2 nd by Discussion Result of Vote (check one)	None 11 Y-C [N P P 2 a 2 a be use o of the	Negative ersuasiv Negative ersuasiv $\sqrt{3} \le [Negnd not p0% \le [Nond not pe persor$	ion p is re re.] > gative ersua egative ersua if the ns vo	meet fundamenta L)/ Hyungsu Kii bassed. elated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	Il ed?	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC → (E) n → (C inding Jasive 4.4.2)) "Address by ical Change Opt ction) "Final" subsec) Option" subsec	ction ction to or
	2 nd by Discussion Result of Vote (check one) This option can greater than 90% Use of "Not significant finding option" (check one)	None 11 Y-C [N P P 2 a 2 a be use o of the	Negative ersuasiv Negative ersuasiv /3 \leq [Neg nd not p 0% \leq [Neg nd not p e persor is mutua	ion p is re re.] > gative ersua egative ersua "if the ns vo ally a t".	meet fundamenta L)/ Hyungsu Kii bassed. elated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter oting on the ac	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat	I subs Signific ive not ations	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC \rightarrow (E) n \rightarrow (C inding Jasive 4.4.2) GO TC \rightarrow (D)) "Address by ical Change Opt ction) "Final" subsec) Option" subsec by a vote equal) "Final" subsec	ction ction to or
Not Final Significant	2 nd by Discussion Result of Vote (check one) This option can greater than 90% Use of "Not significant finding option"	None 11 Y-C [N P P 2 a 2 a be use o of the	D N; Moti Negative ersuasiv Vegative ersuasiv /3 ≤ [Neg nd not p 0% ≤ [No nd not p od only ' e persor is mutua ignifican	ion p is rei 'e.] > is rei ersua egative ersua "if the ns vo ally a t".	meet fundamenta L)/ Hyungsu Kii bassed. dated and 1/3 elated and not 2/3 e is related asive.] < 90% ve is related asive.] e TC Chapter oting on the ac greed upon to Withdrawn	Is a technica change recommende (check one) GO TO "Fina GO TO "Not finds a Negat ction". (<i>Regul</i>	Il ed?	Y N sectio cant F persu ¶ 9.6.4	GO TC Techn subse GO TC \rightarrow (E) n \rightarrow (C 'inding Jasive 4.4.2) GO TC \rightarrow (D) position) "Address by ical Change Opt ction) "Final" subsec) Option" subsec by a vote equal) "Final" subsec	ction ction to or

	Х	(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 (coun	ted under k disposition)		
(check if applicable)		Comment genera	erated. See Section V-(ii) Comment #			

Check only when the Document has not been failed.

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

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)

Voting Interest Reject 7 (Voting Interest Name: Peer Group) Voter Reject 1 (Voter: Albert Fuchigami) Negative 1

	Referenced Section/ Paragraph	F/TC Chapter to fill in	essary.			
Negative	Negative Text	pied. mment for CaRTUPT The comment incluc PREDICTION ABOR A value of 0 (zero) s estimated time of th CaRTUTPTimeOut However, if the othe	, suggestion) should be ble Data Definitions les the PREDICTED to neOut calculation (i.e. the exceeded the time specified in TED to PREDICTION ipment has changed the			
TFi	input <mark>(optional)</mark>					
	Withdrawal	No Negative withdra	awal made by Voter.	GO TO "Related" subsection		
	(check one)	Withdrawal document received by Standards staff on		GO TO "Final" subsection \rightarrow (A)		
Rela ted	Motion and Reason (check one)X'Related' is mutually agreed upon. (Needs no motion.)		GO TO "Persuasive" subsection			
Persuasi ve	Motion and Reason	Negative is related and persuasive. (Needs >1/3 votes to pass.)				
	(check one)	Negative is related	and not persuasive. <mark>(Needs ≥2/3 vot</mark>	es to pass.)		

	Reason			 This attribute specifies the maximum time difference between originally anticipated time for the carrier's ready to unload and the current time. If this time elapses and the carrier is still not ready for unloading, the carrier object shall transition from the PREDICTED to the PREDICTION ABORTED state. If this time is set to 0 (zero), the equipment does not check the condition of the PREDICTION ABORTED state. If CaRTUPTimeOut is zero(0) and the load port will be ready for unload the CARRIE READY TO UNLOAD PREDICTION ABORTED. Please refer to the "10.7.8.5 Condition for the PREDICTION ABORTED. Please refer to the "10.7.8.5 Condition for the PREDICTION ABORTED. If the CARRIE READY TO UNLOAD PREDICTION ABORTED. If the CARRIER READY TO UNLOAD PREDICTION ABORTED. Please refer to the "10.7.8.5 Condition for the PREDICTION ABORTED. If the CARRIER READY TO UNLOAD PREDICTION and the aution for the PREDICTION ABORTED. If the CARRIER READY TO UNLOAD PREDICTION status is WAITING FOR PREDICTION and the aution for the PREDICTION ABORTED and the aution of the carrier will be ready for unload. Ti 2 CARTUPTIMEOUT, i.e. In the PREDICTED state, the estimated time of the carrier getting ready for unloading exceeded the time specified in CARTUPTIMEOUT past the predicted time. The equipment has changed the load port at which the carrier will be ready. 					
	Motion by/ 2 nd by	Byeongmin Im (TEL)/ Hyungsu Kim (Doople)							
	Discussion	Non	е						
		11 Y -0 N ; Motion passed.							
	Result of Vote			ve.] > 1/3		Is a technical change recommended?		Y	GO TO "Address by Technical Change Option" subsection
	(check one)		[Negative is related and not persuasive.] < 2/3			(check one)		Ν	GO TO "Final" subsection → (E)
				egative is related persuasive.] < 90%		GO TO "Final" subsection → (C)			
		x	90% ≤ [Negative is related and not persuasive.]			GO TO "Not Significant Finding Option" subsection			
l Sign	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". (<i>Regulations</i> ¶ 9.6.4.4.2)								
Not Significant	Use of "Not significant finding option" (check one)	x	lt is mutu significan	ally agree t".	ed upon to	term the Negative "not			GO TO "Final" subsection → (D)
			(A	Withdrawn (counted under h in disposition)					
			(E						
	(check if		(C						
Final	applicable)	Х	(C						
nal			(E	Related and persuasive and not					
			(F					ted under k disposition)	
	(check if applicable)		Comment generated. See Section V-(ii) Comment #						

Negative 2 TF/TC Chapter to fill in, including text in the ballot if necessary. Referenced Section/ N/A Paragraph [•]Original complete Negative text (e.g., issue, justification, suggestion) should be copied There should be a way to notify the Host when the Prediction is updated. Consider the scenario where at 12:00 (Tc), the Equipment predicts LP1 will be ready to Negative unload in 3 minutes (at 12:03 (Tp)). At 12:01, the Host gueues up a new Job using material in that carrier that will take 20min to run. The previous prediction is no longer **Negative Text** valid. However, the Host has been notified of the 12:03 prediction, and there is no way to update them. When T i2 exceeds CaRTUPTimeout, the carrier goes into PREDICTIONABORTED state. When the new job is nearly done, there's no way to notify the Host so they can schedule the AMHS. I think this could be addressed by adding a new transition: either PREDICTED -> WAITINGFORPREDICTION or maybe PREDICTED -> PREDICTED. **TF input (optional)** GO TO "Related" Х No Negative withdrawal made by Voter. Withdrawal subsection (check one) GO TO "Final" subsection Withdrawal document received by Standards staff on → (A) Motion and Rela ted GO TO "Persuasive" Reason 'Related' is mutually agreed upon. (Needs no motion.) Х subsection (check one) Negative is related and persuasive. (Needs >1/3 votes to pass.) Х Negative is related and not persuasive. (Needs $\geq 2/3$ votes to pass.) Motion and By using CMS Service Message "CarrierReCreate" in table 15 of E87, Reason (check one) Prediction can be done on newly created Carrier Object. service can be queued by the production equipment. Reason CarrierReCreate This service shall cause the carrier object (and consequently, associated state models of the object) specified by the service to be recreated. This service shall be accepted only if the load port is in the 'Ready to Unload' state. Persuasive miamDalaaaa Dalaasa tha aa mian frans Comian ITale Motion by/ Byeongmin Im (TEL)/ Hyungsu Kim (Doople) 2nd by Discussion None 11 Y-0 N; Motion passed. GO TO "Address by Υ [Negative is related and Is a technical Technical Change Option" persuasive.] > 1/3 change **Result of Vote** subsection recommended? (check one) (check one) Negative is related and not GO TO "Final" subsection Ν persuasive.] < 2/3 **→** (E) $2/3 \leq$ [Negative is related GO TO "Final" subsection \rightarrow (C) and not persuasive.] < 90%

		x	90% ≤ [Negative is and not persuasiv	s related e.]	GO TO "Not Significant I	Finding Option" subsection					
l Sign	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". (<i>Regulations</i> ¶ 9.6.4.4.2)										
Not Significant	Use of "Not significant finding option" (check one)	x	It is mutually agrees significant".	ed upon to t	term the Negative "not	GO TO "Final" subsection → (D)					
			(A)	Withdrawn (counted under h in disposition)							
			(B)	Not related	osition)						
	(check if		(C)	Related an	d not persuasive (significa	nt)					
Final	applicable)	Х	(D)	Not signific	ant <mark>(counted under j in d</mark>	isposition)					
a			(E)	(E) Related and persuasive and not addressed by technical change		DOCUMENT FAILS					
			(F)	Addressed	by technical change (cour	nted under k disposition)					
	(check if applicable)										

	Referenced	*TF/TC Chapter to fill in, including text in the ballot if necessary.
	Section/ Paragraph	1.2.5
		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.
Negative	Negative Text	 State Model transition should not reference State Model definition as the trigger. For example, Transition 23 Trigger - The condition for PREDICTED is satisfied. (10.7.8.4 Condition for the PREDICTED)) SEMI E87 refers to the Harel State Chart notation for state model methodology, and points to SEMI E30. In SEMI E30 A5.2 Transition Table section, it describes 'The trigger column describes the combination of events and conditions that initiates the transition (e.g., message Sx,Fy received). The trigger should be related to a single clearly defined event at the equipment'. I think Transition 23 can be simplified to be 'The Equipment has calculated when the carrier will be unloaded and at which loadport'. The current definition (T_i1 ≤ CaRTUPSettingTime) will always be true, since once Tp has been reached, T_i1 will no longer increase. Until T_i2 > CaRTUPTimeOut, it will remain in PREDICTED state, but 10.7.8.4 leads to you believe T_i1 is the determining factor Other State Model transition triggers that reference the State should be updated. If you make this change, I don't think the sections describing conditions for predicted
		and aborted (Section 10.7.8.4, 10.7.8.5) are required anymore.
TF	input <mark>(optional)</mark>	
	Withdrawal (check one)	X No Negative withdrawal made by Voter. GO TO "Related" subsection

			Withdrav	val document receiv	ed by S	tandards s	staff on	G0 → (nal" sub	section	
Rela ted	Motion and Reason <mark>(check one)</mark>	x	'Related'	is mutually agreed	upon. <mark>(</mark>	pon. (Needs no motion.)			GO TO "Persuasive" subsection			
			Negative	is related and persu	uasive.	(Needs >1	/3 votes t	o pa	ass.)			
		х	Negative	is related and not p	ersuas	ive. <mark>(Need</mark>	s ≥2/3 vot	es t	o pass.))		
				It was physically di	fficult to	o put more	details int	o th	e narrov	v Table C	Column, so	
				I wanted to make it	easier	to underst	and the tri	ggei	r throug	n the refe	erence.	
				Here is an example	e of san	ne case.						
				• 4946D								
	Motion and Reason <mark>(check one)</mark>			# Previous State 22 (No State) C Image: The state Image: The state Image: The state				Actions Comm None Data required available for report: PortID (if vali CarrierID		ed to be r this event		
Persuasive			Reason	FOR P. PREDICTION (1	<u>10.7.8.4 Co</u> ne <u>PREDIC</u>	D is satisfied. <u>ndition for</u> <u>CTED</u>) 'EMENT M		ENT	one (MMM)	Data requir available fo report: PortID, Car	r this event	
ve				# Current St			rigger		New	v State	Action	
				1 (Atomic Transf Created)	2000	The parent transfer job becomes active (see Table 3).			ATOMIC TRANSFER QUEUED		None.	
	Motion by/ 2 nd by	Bye	ongmin In	n (TEL)/ Hyungsu Ki	im (Doc	ople)						
	Discussion	Non	e									
		11)	′- 0 N; Mo	tion passed.								
	Result of Vote			e is related and ve.] > 1/3	chang	echnical ge nmended?		Тес		ddress b Change า		
	(check one)			e is related and not ve.] < 2/3	(che	ck one)	N	GO TO "Final" subsection → (E)				
			-	egative is related	GO T	O "Final" :	subsectio	n →	(C)			
		х	90% ≤ [N	persuasive.] < 90% legative is related persuasive.]		O "Not Sig				ion" sub	section	
Not Sign			sed only	"if the TC Chapter ons voting on the a						vote eq	ual to or	

	Use of "Not significant finding option" (check one)	x	It is mutually ag significant".	reed upon to term the Negative "not	GO TO "Final" subsection → (D)	
	(check if		(A)	Withdrawn (counted under h in dis	sposition)	
			(B)	Not related (counted under i in dis	position)	
			(C)	Related and not persuasive (significant)		
Fin	applicable)	Х	(D)	Not significant <mark>(counted under j in</mark>	disposition)	
a			(E)	Related and persuasive and not addressed by technical change		
			(F)	Addressed by technical change (co	unted under k disposition)	
	(check if applicable)		Comment gene	rated. See Section V-(ii) Comment # 2	Х.	

Voting Interest Reject 7 (Voting Interest Name: Peer Group) Voter Reject 2 (Voter: Christian Hoffman)

neg	ative 1										
	Referenced	*TF/TC Chapter to fill in, includi	ing text in the ball	ot if	nec	essary.					
	Section/ Paragraph	1.2.7									
Negative	Negative Text	*Original complete Negative tex copied. In 10.7.8.4, * T_i1 ≤ CaRTUPSettingTime, i.e. model shall transition to the PREI currently predicted time at which t CaRTUPSettingTime later than th describes less than.	TO the	UNLOAD PREDICTION state equipment determines that the d is less than the							
TF	input <mark>(optional)</mark>										
	Withdrawal	X No Negative withdrawal mad	le by Voter.			GO TO "Related" subsection					
	(check one)	Withdrawal document receive	٦	GO TO "Final" subsection → (A)							
Rela ted	Motion and Reason (check one)	X 'Related' is mutually agreed	n.)	GO TO "Persuasive" subsection							
	Motion and Reason (check one)	X Negative is related and persuasive. (Needs >1/3 votes to pass.) Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)									
	Motion by/ 2 nd by	Reason Byeongmin Im (TEL)/ Hyungsu Kim (Doople)									
Persuasi	Discussion	None									
suas		11 Y- 0 N ; Motion passed.									
sive	Result of Vote	X [Negative is related and persuasive.] > 1/3	ls a technical change recommended?	х	Y	GO TO "Address by Technical Change Option" subsection					
	(check one)	[Negative is related and not persuasive.] < 2/3	(check one)		Ν	GO TO "Final" subsection → (E)					
		2/3 ≤ [Negative is related and not persuasive.] < 90%	GO TO "Final" s	nal" subsection \rightarrow (C)							
		90% ≤ [Negative is related and not persuasive.] GO TO "Not Significant Finding Option" subsection									
A	Technical Chang										
ddress by											

			FROM: S	Sect	ion/	Para	graph 10	0.7.8.4							
			* T i1 ≤	CaR	TUP	Setti	naTime.	i.e. the	CARRIER READY TO		D PREDICTION state model				
			_				-				ermines that the currently				
											CaRTUPSettingTime later than				
						write			eady to unioad is <u>less</u>	<u>than</u> the C	Sarrior Setting time later than				
	Te			ne current time.											
	Technical Changes		TO: Sec	ction	/Pai	ragra	aph 10.7.	.8.4							
	àl C	1	* T_i1 ≤	CaR	TUP	UPSettingTime, i.e. the CARRIER READY TO UNLOAD PREDICTION state model									
	han		shall trar	nsitio	on to	the PREDICTED state whenever the equipment determines that the currently									
•	iges		predicted	ed time at which the carrier is ready to unload is <u>smaller than or equal to</u> the											
	•		CaRTUF	PSett	tingT	ngTime later than the current time.									
			Justific	atio	n (lf	nece	essary)								
							han" in th	ne origii	nal contents is not right	for "≤". So	it has to be changed to "smalle				
			than or e	equa	l to".		- · · · · ·								
м	otio	n	<u>.</u>			Neg	Negative is addressed by the technical change(s).								
М	otio	on I	oy/2 nd by	,		Bye	ongmin lı	m (TEL	.)/ Hyungsu Kim (Doop	le)					
D	iscussion					None									
┢						11 Y	′-0 N; Mc	otion p	assed.						
						$2/3 \leq [Negative is addressed by the technical] GO TO "Incorporation of the technical]$									
			sult of Vo heck on			Х	change(s).]				Technical Change" subsection				
		(0		-			[Negativ change(t addressed by the tec	hnical	GO TO "Final" subsection \rightarrow (E)				
	_	Мс	otion			To i			technical change(s).						
lec		Мс	otion by/2	2 nd k	у	Bye	ongmin lı	m (TEL	.)/ Hyungsu Kim (Doop	le)					
Inu	rpoi	Di	scussion	Ì		Nor	le								
	atic					11 Y	′-0 N; Mc	otion pa	assed						
ecnnical Change	Incorporation of the		Result of	f Vot	te	x	90% ≤	[Agree	to incorporate.]		GO TO "Final" subsection \rightarrow (F)				
lge	the		(check	one)			[Disagre	ee to in	corporate.]>10%		GO TO "Final" subsection \rightarrow (E)				
						(/	A)	Withc	Irawn <mark>(counted under</mark>	h in disp					
									elated (counted under	i in disp	osition)				
	(he	ck if			(C)	Relat	ed and not persuasive	(significar	nt)				
			cable)			(D)	Not s	ignificant (counted un	der j in di	sposition)				
							E)		ed and persuasive and		DOCUMENT FAILS				
				Х			, F)	-	essed by technical char essed by technical char	<u> </u>	nted under k disposition)				
			ck if		Cor				ee Section V-(ii) Com	-					
	ар	plio	cable)				it genera			π					

Neg	ative 2												
	Referenced	*TF/	TC Chapter to fill in, includi	ng text in the bal	lot if	nec	essary.						
	Section/ Paragraph	1.2.	7										
		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.											
z			In 10.7.8.5,										
Negative		*If the CARRIER READY TO UNLOAD PREDICTION status is WAITING FOR											
itive		PREDICTION and the equipment can't estimate the time for READY TO UNLOAD caused											
	Negative Text	by a problem on the equipment. * T_i2 \geq CaRTUPTimeOut, i.e. In the PREDICTED state, the estimated time of the carrie											
			-										
		-	ing ready for unloading excee	ded the time speci	tied i	n Ca	RTUTPTimeOut past the						
			dicted time.				P						
		•	It shows "greater than or equa	al to but only desc	cribes	sexo	ceeding.						
TF	input <mark>(optional)</mark>												
	Withdrawal	х	No Negative withdrawal mad	e by Voter.			GO TO "Related" subsection						
	(check one)		Withdrawal document receive	n	GO TO "Final" subsection \rightarrow (A)								
Rela	Motion and Reason (check one)	x	'Related' is mutually agreed u	on.)	GO TO "Persuasive" subsection								
		x	X Negative is related and persuasive. (Needs >1/3 votes to pass.)										
	Motion and Reason (check one)		Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)										
	(check one)		Reason										
P	Motion by/ 2 nd by	Вуе	ongmin Im (TEL)/ Hyungsu Ki	m (Doople)									
ersu	Discussion	Non	e										
Persuasive		11)	-0 N ; Motion passed.										
Ve		x	[Negative is related and persuasive.] > 1/3	ls a technical change recommended?	x	Y	GO TO "Address by Technical Change Option" subsection						
	Result of Vote (check one)		[Negative is related and not persuasive.] < 2/3	(check one)		N	GO TO "Final" subsection → (E)						
			2/3 ≤ [Negative is related and not persuasive.] < 90%	n → (C)									
			90% ≤ [Negative is related and not persuasive.]	GO TO "Not Sig	nifica	ant F	inding Option" subsection						
Ac	Technical Chang	ge R	ecommendations										
	1	/paragraph number and at least one full sentence are required in "FROM" and "TO"											
Addres	Original section fields.	/para	agraph number and at least	one full sentence	areı	requ	ired in "FROM" and "TO"						

			FROM:	Sect	ion/l	Para	graph	10.7.8.5						
	Tec		 * If the CARRIER READY TO UNLOAD PREDICTION status is WAITING FOR PREDICTION and the equipment can't estimate the time for READY TO UNLOAD caused by a problem on the equipment. * T_i2 ≥ CaRTUPTimeOut, i.e. In the PREDICTED state, the estimated time of the carrier getting ready for unloading <u>exceeded</u> the time specified in CaRTUTPTimeOut past the predicted time. TO: Section/Paragraph 10.7.8.5 											
	Technical Changes	1	* If the C the equij equipme * T_i2 ≥ ready for	* If the CARRIER READY TO UNLOAD PREDICTION status is WAITING FOR PREDICTION and the equipment can't estimate the time for READY TO UNLOAD caused by a problem on the equipment. * $T_i2 \ge CaRTUPTimeOut$, i.e. In the PREDICTED state, the estimated time of the carrier getting ready for unloading greater than or equal to the time specified in CaRTUTPTimeOut past the predicted time.										
			Justific	ation	<mark>n (lf</mark> ion "	'exce	eded"	n the original contents is not right for	"≥". So it has to be changed to					
М	otio	on				Neg	ative is	addressed by the technical change(s).						
М	otio	on k	by/2 nd by	,		Byeongmin Im (TEL)/ Hyungsu Kim (Doople)								
Di	iscu	ıss	ion			Non	ie							
					11 Y	′-0 N; N	lotion passed.							
			sult of Vo heck on			x	change(s).j		subsection					
								ive is not addressed by the technical e(s).] < 2/3	GO TO "Final" subsection → (E)					
	. 국	Мс	otion			To i	ncorpo	rate the technical change(s).						
Tech		Мс	otion by/2	2 nd b	у	Bye	ongmin	Im (TEL)/ Hyungsu Kim (Doople)						
Inic	por	Dis	scussion	1		Non	e							
al	atio					11 Y	<mark>∕-0 N; N</mark>	lotion passed.						
Technical Change	corporation of the		Result of (check			X	90% ≤	[Agree to incorporate.]	GO TO "Final" subsection → (F)					
e	he		CHECK	onej			[Disag	ree to incorporate.]>10%	GO TO "Final" subsection \rightarrow (E)					
						(4	A)	Withdrawn (counted under h in dis	position)					
						(B)	Not related (counted under i in dis	position)					
			ck if			(C)	Related and not persuasive (signific	ant)					
	ap	plic	able)			(D)	Not significant (counted under j in	disposition)					
							E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS					
		X					(F) Addressed by technical change (counted under k disposition)							
	,	. 1:	ck if	Х		((F) Addressed by technical change (counted under k disposition) ment generated. See Section V-(ii) Comment #							

Disposition of Voting Interest Reject 7

Check only when the Document has not been failed.

5	5	Original	num	ber (#) of Negatives		(g)							
0)	Number	of N	egatives withdrawn		(h)							
0)	Number	of N	egatives found not related (i)									
3	3	Number of Negatives found not significant (j)											
2	2			egatives addressed by technic <mark>t significant)</mark>	al change <mark>(Negative</mark>	(k)							
				g - (h + i + j + k) = 0	Reject is Not Valid and is not included in the denominator of § VI. <i>Approval Conditions Che</i>								
	Final			g - (h + i + j + k) >0	Reject is included in the denominator of § VI. Approval Conditions Check								
				Reject without a Negative	Not Valid								

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3) Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

Voting Interest Reject 8 (Voting Interest Name: Self) Voter Reject 1 (Voter: Mitch Sakamoto)

<u> </u>										
	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 1.2.1								
Negative	Negative Text	ginal complete Negative text (e.g., issue, justification ed. gree to the proposal. The proposal is adding new attributes to Carrier object to prediction is an Additional, (optional) capability. Adding new attributes to Carrier object requires every eq program. Even in the case of the prediction is not require implement it. That will get significant damage to Equipme development and maintenance of the software. Those at outside of the Carrier Object.	o support the prediction. The uipment to change its control ed, equipment is required to ent Suppliers, in the cost of							
TFi	input (optional)	This	reject is same as forReject 1 Voter 1 Negative 1 submitted by Naoko Mu	rata (TEL)						
	Withdrawal (check one)	х	No Negative withdrawal made by Voter. Withdrawal document received by Standards staff on	GO TO "Related" subsection GO TO "Final" subsection → (A)						
Rela ted	Motion and Reason (check one)	x	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection						
Persuas ve	Motion and Reason		Negative is related and persuasive. (Needs >1/3 votes f	o pass.)						
lasi	(check one)	x	Negative is related and not persuasive. <mark>(Needs ≥2/3 vot</mark>	es to pass.)						

		-		-	10.105					
					-					er Object. So it is mucl
					easier for read	ler/user to un	derstar	nd whe	en it is	with existing CARREIF
					State Model Diagram rather than standing alone. It also gives unifo					
					to overall E87.					
				•	As 4946D is fo	r adding an a	ddition	al CMS	S Capal	bilities on Table 39, it is
					clearly indicate	ed that it is	not a	funda	amental	by describing "N" in
					"Requirement"	column in Tab	ole 39. '	"N" de	scribed	in "Rqmt" column of the
					Object Attribute	e has been us	ing in r	many o	other SI	EMI Software standards
					now. E90 is a p	perfect exampl	e of the	e case		
				•	E30					
			Reason		5.2 <i>Object Attr</i> information more supported by a following column	dels for standa n attribute def	rdized o	objects	will be	
					Attribute Name	Definition	Access	Rqmt	Form	
						Description of	RO or	Y or N		
					name of the attribute	the information contained	RW		Section 4.2.4.)	
					 5.2.1 The Access column uses RO (Read Only) or RW (Read and Write) to indicate the access that users of the service have to the attribute. 5.2.2 A "Y" or "N" in the Requirement (Reqt) column indicates if this attribute must be supported in order to meet fundamental compliance for the service. 					
	Motion by/ 2 nd by	Byeongmin Im (TEL)/ Hyungsu Kim (Doople)								
	Discussion	None	е							
		11 Y	1 Y -0 N ; Motion passed.							
	Result of Vote			[Negative is related and Is a technical Y GO To Technical J > 1/3) "Address by ical Change Option" ction
	(check one)				elated and not	(check one)		Ν) "Final" subsection
			persuasiv 2/3 < [Ne	-	e is related				→ (E)	
					asive.] < 90%	GO TO "Final" subsection → (C)				
	× 90% ≤ [l and not			ersu		GO TO "Not Significant Finding Option" subsection				
Sigr	This option can greater than 90%									by a vote equal to or
Significant finding option" (check one) x It is mutually agreed upon to term the Negative "not significant". GO TO "Fin. (D)) "Final" subsection			
-	· · · · · · · · · · · · · · · · · · ·		۹)	()	Withdrawn	(counted und	der h iı	n disp	osition)
Final	(check if applicable)		(B	5)	Not related	(counted un	der i ir	n disp	osition)	
-			(C	;)	Related an	d not persuas	ive (sig	nificar	nt)	

		Х	(D)	Not significant (counted under j in di	sposition)				
			(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 #									

	Referenced Section/		-	ter to fill in, includi	ng text in the bal	lot if nec	essary.			
	Paragraph	1.2.7								
Negative		сор	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.							
ativ	Negative Text		0.7.3.5.1,							
ſe			descriptio	-						
		` `		estimates the time he abort condition						
		` ´		dd "equipment check	es the prediction of	ondition"	also			
		VVC			the prediction of					
TF i	nput (optional)									
,	Withdrawal	х	No Nega	tive withdrawal mad	e by Voter.		GO TO "Related" subsection			
(check one)			Withdraw	al document receive	ed by Standards st	aff on	GO TO "Final" subsection \rightarrow (A)			
Rela ted	Motion and Reason <mark>(check one)</mark>	x	'Related'	GO TO "Persuasive" subsection						
			Negative is related and persuasive. (Needs >1/3 votes to pass.)							
	Motion and	х	Negative	is related and not po	tes to pass.)					
	Reason (check one)		Reason IO.7.3.5.1 WAITING FOR PREDICTION — this is a sub-state of CARRIER READY TO UNL STATUS and is active when the equipment is waiting for the condition (10.7.8.4 Condition for be satisfied. For carriers in this state, the equipment estimates the time that the carrier is ready to checks for the possible abort condition(10.7.8.5 Condition for the PREDICTION ABORTED).							
Persuasiv	Motion by/ 2 nd by	Bye	ongmin Im	n (TEL)/ Hyungsu Ki	m (Doople)					
uas		Non	е							
ive		11 Y	′-0 N ; Mot	tion passed.						
	Result of Vote	[Negative persuasiv		e is related and /e.] > 1/3	ls a technical change recommended?	Y	GO TO "Address by Technical Change Option" subsection			
	(check one)		[Negative persuasi\	e is related and not /e.] < 2/3	(check one)	N	GO TO "Final" subsection → (E)			
			and not p	gative is related persuasive.] < 90%	GO TO "Final" subsection → (C)					
		x		egative is related ersuasive.]	GO TO "Not Sig	nificant I	Finding Option" subsection			

		his option can be used only "if the TC Chapter finds a Negative not persuasive by a vote equal to or reater than 90% of the persons voting on the action". (<i>Regulations</i> ¶ 9.6.4.4.2)									
Not Significant	Use of "Not significant finding option" (check one)		It is mutually agr significant".	eed upon to term the Negative "not	GO TO "Final" subsection → (D)						
			(A)	Withdrawn (counted under h in disp	position)						
			(B)	Not related (counted under i in disposition)							
	(check if		(C)	Related and not persuasive (significant)							
Final	applicable)	Х	(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 (cour	nted under k disposition)						
	(check if applicable)		Comment genera	ated. See Section V-(ii) Comment #							

	Referenced Section/ Paragraph	* TF / 1.2.	TC Chapter to fill in, including text in the ballot if nec	essary.					
Negative	Paragrapn Negative Text	 *Original complete Negative text (e.g., issue, justification, suggestion) should be copied. In 10.7.3.5.3, For carriers in this state, the equipment no longer calculates the time until READY TO UNLOAD. (1) RADY TO UNLOAD is a name of state of Load Port Carrier Transfer Status in E87. That is not a state of the Carrier. (2) It can be read as "equipment does not calculate the time before RTU", because "until" expresses continuing time. (3) The text should be corrected like "In this state, the equipment is no longer required to estimate the time." or something. 							
TF	nput (optional)								
	Withdrawal	Х	No Negative withdrawal made by Voter.	GO TO "Related" subsection					
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection → (A)					
Rela ted	Motion and Reason (check one)	х	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection					
Persu: ve	Motion and Reason		Negative is related and persuasive. (Needs >1/3 votes t	o pass.)					
uasi 9	(check one)	х	X Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)						

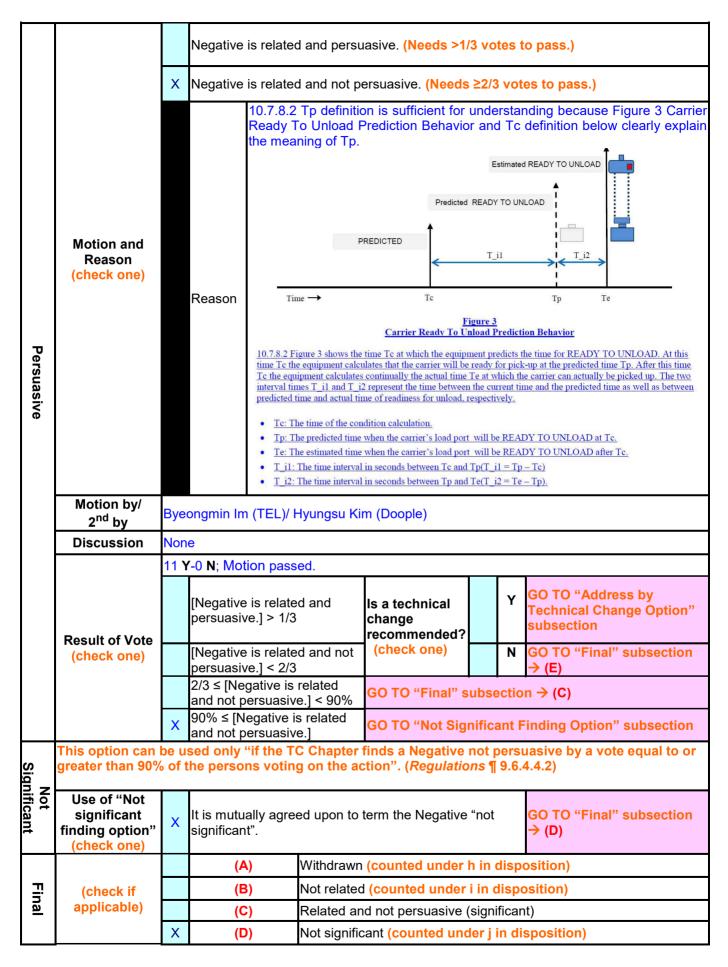
1			i			1 I I I I I I I I I I I I I I I I I I I					
				(1) There	e is no prob	lem because it is	the sa	ame	inside E87.		
				(2) & (3) 10.7.3.5.3 The contents (the equipment no longer calculates the time							
			Reason	until READY TO UNLOAD.) provides clear information to users.							
				10.7.3.5.3 P	REDICTION AB	ORTED — this is a sub-stat	e of CA	RRIEI	R READY TO UNLOAD PREDICTION		
						the abort condition (10.7.8 ipment no longer calculates			for PREDICTION ABORTED) is satisfied. For READY TO UNLOAD.		
			currers in and state, the equipment no ronger extremation the time and related 1 10 orthornes.								
	Motion by/ 2 nd by	Bye	ongmin In	ו (TEL)/ H	Hyungsu Ki	m (Doople)					
	Discussion	Non	е								
		11 Y	′-0 N; Mot	tion pass	ed.						
	Result of Vote (check one)		[Negative persuasi\			ls a technical change recommended?		Y	GO TO "Address by Technical Change Option" subsection		
			[Negative persuasi\		d and not	(check one)		Ν	GO TO "Final" subsection → (E)		
			2/3 ≤ [Negative is related and not persuasive.] < 90%		GO TO "Final" subsection → (C)						
		x	90% ≤ [N and not p			GO TO "Not Significant Finding Option" subsection					
Sigi						finds a Negative ction". (<i>Regulatio</i>			uasive by a vote equal to or 4.4.2)		
Not Significant	Use of "Not significant finding option" (check one)	x	lt is mutu significan		ed upon to	term the Negative	"not		GO TO "Final" subsection → (D)		
			(4	A)	Withdrawn	(counted under l	h in d	lisp	osition)		
			(E	3)	Not related	(counted under	i in d	ispo	osition)		
	(check if		(C)	Related an	d not persuasive (signif	fican	it)		
Fina	applicable)	Х	([))	Not signific	ant <mark>(counted und</mark>	ler j iı	n di	sposition)		
a			(E	E)		d persuasive and by technical chan			DOCUMENT FAILS		
			(F	-)			-	oun	ted under k disposition)		
	(check if applicable)		Commen	t generat	ed. <mark>See Se</mark>	ction V-(ii) Comm	nent #	ŧ			

Negati	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary. 1.2.7
ve	Negative Text	*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.

		In 10.7.8.2,								
			f the condition coloulation							
		IC: The time of	of the condition calculation							
		The expression is not accurate. It should be defined with two meaning.								
		(1) The t	ime at which equipment estimated the time of the	ne carrier being ready for						
		unloa	d, before the prediction is determined.							
		(2) The time at which equipment determined the prediction.								
тс	nput (optional)									
	nput (optional)									
	Withdrawal	X No Nega	tive withdrawal made by Voter.	GO TO "Related" subsection						
	(check one)			GO TO "Final" subsection						
		vvitnaraw	al document received by Standards staff on	→ (A)						
Rela ted	Motion and Reason <mark>(check one</mark>)	X 'Related'	is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection						
		Negative	is related and persuasive. (Needs >1/3 votes 1	to pass)						
		litogaaro								
		X Negative	X Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)							
			10.7.8.2 Tc definition is sufficient for understa	nding because Figure 3 Carrier						
			Ready To Unload Prediction Behavior and Tc definition in below clearly explain the meaning of Tc.							
			the meaning of TC.	+						
			Estimate	d READY TO UNLOAD						
				^						
			Predicted READY TO UN							
	Motion and		PREDICTED							
-	Reason		T_i1	T_i2						
Pers	(check one)									
suas		Reason	Time → Tc	Тр Те						
uasive			Figure 3							
			<u>Carrier Ready To Unload Predict</u>							
			10.7.8.2 Figure 3 shows the time Tc at which the equipment predicts t time Tc the equipment calculates that the carrier will be ready for pick	c-up at the predicted time Tp. After this time						
			To the equipment calculates continually the actual time Te at which the interval times T_i1 and T_i2 represent the time between the current times the time between the current times are set of the time between the current times are set of the times are set of th							
			predicted time and actual time of readiness for unload, respectively.							
			• <u>Tc: The time of the condition calculation.</u>							
			 <u>Tp:</u> The predicted time when the carrier's load port will be READY TO UNLOAD at Tc. Te: The estimated time when the carrier's load port will be READY TO UNLOAD after Tc. 							
			• \underline{T} i1: The time interval in seconds between Tc and Tp $(\underline{T}$ i1 = Tp							
			• <u>T</u> i2: The time interval in seconds between Tp and $Te(T_i 2 = Te$	<u>– 1p).</u>						
	Motion by/ 2 nd by	Byeongmin Im	ו (TEL)/ Hyungsu Kim (Doople)							
	Discussion	None								
		11 Y- 0 N ; Mot	ion passed.							

	Result of Vote (check one)		[Negative is related persuasive.] > 1/3 [Negative is related persuasive.] < 2/3		Is a technical change recommended? (check one)	Y	Technical Change Option" subsection
	(0)		2/3 ≤ [Negative is related and not persuasive.] < 90%		GO TO "Final" subsection → (C)		
		x	90% ≤ [Negative is and not persuasive		GO TO "Not Sigi	nificant	Finding Option" subsection
This option can be used only "if the TC Chapter finds a Negative not person greater than 90% of the persons voting on the action". (<i>Regulations</i> ¶ 9.6.4)							
Not Significant	Use of "Not significant finding option" (check one)	x	It is mutually agree significant".	d upon to	term the Negative	"not	GO TO "Final" subsection → (D)
			(A)	Nithdrawn	(counted under	h in dis	position)
			(B)	Not related	l (counted under	i in dis _l	position)
	(check if		(C) F	Related ar	id not persuasive (significa	ant)
Final	applicable)	Х	(D)	Not signific	cant <mark>(counted und</mark>	ler j in d	disposition)
al					d persuasive and by technical chan		DOCUMENT FAILS
			(F) /	Addressed	by technical chan	ige <mark>(cou</mark>	inted under k disposition)
	(check if applicable)		Comment generate	ed. <mark>See Se</mark>	ction V-(ii) Comn	nent #	

	Referenced Section/ Paragraph	*TF/TC Chapter to fill in, including text in the ballot if necessary.								
Negative	Negative Text	 *Original complete Negative text (e.g., issue, justification, suggestion) should be copied. In 10.7.8.2, Tp: The predicted time when the carrier's load port will be READY TO UNLOAD at Tc. The expression is not accurate. It should be defined with two meaning. (1) The predicted time of the carrier being ready for unload, estimated by equipment, before the prediction is determined. (2) The determined time of the prediction. 								
TF	input <mark>(optional)</mark>									
	Withdrawal	х	No Negative withdrawal made by Voter.	GO TO "Related" subsection						
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection → (A)						
Rela ted	Motion and Reason (check one)	X 'Related' is mutually agreed upon. (Needs no motion.) GO TO "Persuas subsection								



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

neg	alive b									
	Referenced Section/ Paragraph		TF/TC Chapter to fill in, including text in the ballot if necessary.							
Negative	Negative Text	 *Original complete Negative text (e.g., issue, justification, suggestion) should be copied. In 10.7.8.4, T_i1 ≤ CaRTUPSettingTime xt T_i1=(Tp-Tc). It should be noted that Tc and Tp are of the before the prediction is determined. See the idea in the figure posted later in this document, for alternative expression that might be better. 								
TF i	nput (optional)									
	Withdrawal	x	No Negative withdrawal made by Voter.	GO TO "Related" subsection						
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection \Rightarrow (A)						
Rela ted	Motion and Reason (check one)	x	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection						
Persuas ve	Motion and Reason		Negative is related and persuasive. (Needs >1/3 votes to pass.)							
uasi 9	(check one)	х	Negative is related and not persuasive. <mark>(Needs ≥2/3 vot</mark>	es to pass.)						

	[
				10.7.8.4 Condition f	n for the PREDICTED and Figure 3 Carrier Ready To Unload					
				Prediction Behavior	provides clear	informa	ation	to users.		
						E	Estimated			
					Predi	cted READ	Y T <mark>O U</mark> N	LOAD		
					↑					
				P	REDICTED	Т				
					<	1	_11	\rightarrow \leftarrow T_{12}		
				Time	Tc			Tp Te		
				Time 7		Figure 3	1	ip it		
					Carrier Ready T			on Behavior		
								he time for READY TO UNLOAD. At this -up at the predicted time Tp. After this time		
			Reason	Tc the equipment calculates	continually the actual ti	me Te at w	vhich th	e carrier can actually be picked up. The two ne and the predicted time as well as between		
				predicted time and actual tim				ne and the predicted time as well as betweell		
				• Tc: The time of the con						
							a summer of the	<u>DY TO UNLOAD at Tc.</u> DY TO UNLOAD after Tc.		
				 <u>T_i1</u>: The time interval 						
				• T_i2: The time interval in seconds between Tp and $Te(T_i2 = Te - Tp)$.						
				10.7.8.4 <i>Condition for the PREDICTED</i> — this state shall be assumed, when ALL of the following been fulfilled:						
				• T_i1 ≤ CaRTUPSettingTime, i.e. the CARRIER READY TO UNLOAD PREDICTION state model shall						
				transition to the PREDICTED state whenever the equipment determines that the currently predicted time at which the carrier is ready to unload is less than the CaRTUPSettingTime later than the current time.						
				• The equipment has determined the load port at which the carrier will be ready for unload.						
				For internal buffer equipment, the equipment is required to predict one carrier per load port at one time. Each of the carriers queued to a load port shall remain in the WAITING FOR PREDICTION state until the carrier currently in the load port is removed.						
	Motion by/	Byer	onamin Im	ı (TEL)/ Hyungsu Kir	n (Doople)					
	2 nd by									
	Discussion	None								
		11 Y	′-0 N ; Mot	ion passed.						
			[Negative	is related and	ls a technical		Y	GO TO "Address by		
			persuasiv		change			Technical Change Option" subsection		
	Result of Vote			in valated av 1 v 1	recommended (check one)	1?				
			[Negative persuasiv	is related and not ve.] < 2/3	(check one)		N	GO TO "Final" subsection → (E)		
		2/3 ≤ [Ne		gative is related	GO TO "Final'	' subse	ectio			
				ersuasive.] < 90% egative is related						
		^	and not p	ersuasive.]				inding Option" subsection		
								uasive by a vote equal to or		
Not Significant	greater than 90%	₀ of t	ne perso	ns voting on the ac	tion". (Regula	tions ¶	9.6.4	4.4.2)		
Not nific	Use of "Not									
cant	significant finding option"		It is mutu significan	ally agreed upon to t	term the Negati	ve "not		GO TO "Final" subsection		
-	(check one)		signincan	ι.				→ (D)		
	· · · · · · · · · · · · · · · · · · ·									

	(check if		(A)	Withdrawn (counted under h in disp	osition)			
			(B)	Not related (counted under i in disp	osition)			
			(C)	Related and not persuasive (significat	nt)			
Fin	applicable)	Х	(D)	Not significant (counted under j in di	isposition)			
nal			(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 gene	Comment generated. See Section V-(ii) Comment #				

	Referenced Section/	*TF/	TC Chapter to fill in, including text in the ballot if nec	essary.				
	Paragraph	1.2.7						
Negative	Negative Text	cop 10.7 the I at w curre Rem The	.8.4 the CARRIER READY TO UNLOAD PREDICTION s PREDICTED state whenever the equipment determines the hich the carrier is ready to unload is less than the CaRTU ent time. hove the text. comparison equation T_i1 \leq CaRTUPSettingTime has end dition. It makes readers somewhat confused. Prediction Logic	t Time ted Time PSettingTime ted Time PSettingTime ted Time ted Time				
			TO ABORTED	Txn Tp+Tz time				
TF i	nput (optional)							
	Withdrawal	х	No Negative withdrawal made by Voter.	GO TO "Related" subsection				
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection \Rightarrow (A)				
Rela ted	Motion and Reason <mark>(check one)</mark>	x	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection				

 										
			Negative	is related	and persu	asive. (Needs >1/	/3 vot	es t	o pass.)	
		х	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)							
									understanding. The equation,	
	Motion and			however, already provides clear information to users.						
	Reason (check one)			been fulfilled:						
	(,		Reason	 T_i1 ≤ CaRTUPSettingTime, i.e. the CARRIER READY TO UNLOAD PREDICTION state model s transition to the PREDICTED state whenever the equipment determines that the currently predicted time at whether the carrier is ready to unload is less than the CaRTUPSettingTime later than the current time. 						
				• The eq	uipment has deter	mined the load port at whic	h the car	rrier w	ill be ready for unload.	
Pe									carrier per load port at one time. Each of the	
Persuasive				carriers queued to a load port shall remain in the WAITING FOR PREDICTION state until the carrier currently in the load port is removed.						
sive	Motion by/	Due	e a constant la							
	2 nd by			n (TEL)/ F	lyungsu Kir	n (Doople)				
	Discussion	Non								
		11 Y	/-0 N; Mo	tion pass	ed.					
	Result of Vote (check one)		[Negative is related and			ls a technical		Y	GO TO "Address by Technical Change Option"	
			persuasi	_		change recommended?			subsection	
			[Negative is related and no persuasive.] < 2/3			(check one)		Ν	GO TO "Final" subsection	
			2/3 ≤ [Ne	egative is		GO TO "Final" s	uhse	ctio	\rightarrow (E) n \rightarrow (C)	
			and not p 90% ≤ [N		e.] < 90%	90%				
		X	and not p	persuasiv	e.]	GO TO "Not Significant Finding Option" subsection				
s	This option can greater than 90%								uasive by a vote equal to or 4.4.2)	
N							- 11		,	
Not lificant	Use of "Not significant		lt is mutu	allv agree	ed upon to t	term the Negative	"not		GO TO "Final" subsection	
nt	finding option" (check one)	Х	significar						→ (D)	
	(Check One)		4)	A)	Withdrawn	(counted under	h in d	lisp	osition)	
				3)	Not related	(counted under	i in d	ispo	osition)	
	(check if		(0	C)	Related an	d not persuasive ((signif	icar	it)	
Final	applicable)	Х	([))	,	ant <mark>(counted und</mark>		n di	sposition)	
a			(E	Ξ)		d persuasive and by technical chan			DOCUMENT FAILS	
			(F	-)			-	oun	ted under k disposition)	
	(check if applicable)		Commer	nt generat	ed. <mark>See Se</mark>	ction V-(ii) Comn	nent #	¥		

Disposition of Voting Interest Reject 8 Check only when the Document has not been failed.

7 Original number (#) of Negatives

(g)

0	Number	er of Negatives withdrawn (h)								
0	Number of Negatives found not related (i)									
7	Number	of N	egatives found not significant		(j)					
0			egatives addressed by technic t significant)	al change <mark>(Negative</mark>	(k)					
		×	g - (h + i + j + k) = 0	Reject is Not Valid and is not included in the denominator of § VI. <i>Approval Conditions Check</i>						
	Final		g - (h + i +j + k) >0	Reject is included in the denominator of § VI Approval Conditions Check						
			Reject without a Negative	Not Valid						

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3) Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

Voting Interest Reject 9 (Voting Interest Name: NaigaiTEC) Voter Reject 1 (Voter: Ogihara Hideaki)

Negative 1

neg	ative 1										
	Referenced	*TF	TC Chap	ter to fil	I in, including text in the ballot if nec	essary.					
Ne	Section/ Paragraph	N/A									
Negative	Negative Text		*Original complete Negative text (e.g., issue, justification, suggestion) should be copied.								
TF	input (optional)										
	Withdrawal	x	No Nega	tive with	drawal made by Voter.	GO TO "Related" subsection					
	(check one)		Withdraw	al docu	ment received by Standards staff on	GO TO "Final" subsection \rightarrow (A)					
	Motion and		'Related'	is mutua	ally agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection					
	Reason (check one)	X	Negative	is not re	elated. (Needs ≥2/3 votes to pass.)						
			Reason	No neg	ative is submitted by the voter						
Rel	Motion by/ 2 nd by	Byeongmin Im (TEL)/ Hyungsu Kim (Doople)									
Related	Discussion	Non	е								
		11 \	/-0 N; Mo t	tion pas	sed.						
	Result of Vote (check one)		[Negative	e is not r	elated.] < 2/3	GO TO "Persuasive" subsection					
	(check one)	x	2/3 ≤ [Ne	gative is	s not related.]	GO TO "Final" subsection → (B)					
			٩)	A)	Withdrawn (counted under h in disp	osition)					
		Х	(E	3)	Not related (counted under i in disp	osition)					
	(check if		(0)	Related and not persuasive (significar	nt)					
Final	applicable)		([)	Not significant <mark>(counted under j in di</mark>	sposition)					
a	a		(E		Related and persuasive and not addressed by technical change	DOCUMENT FAILS					
			(F)	Addressed by technical change (cour	nted under k disposition)					
	(check if applicable)		Commen	it genera	ated. See Section V-(ii) Comment #						

Disposition of Voting Interest Reject 9

Check only when the Document has not been failed.

1	Original number (#) of Negatives	(g)
0	Number of Negatives withdrawn	(h)
1	Number of Negatives found not related	(i)
0	Number of Negatives found not significant	(j)

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0			of Negatives addressed by technical change (Negative not significant) (k)									
			g - (h + i + j + k) = 0	Reject is Not Valid and denominator of § VI. A	l is not included in the proval Conditions Check							
F	Final		g - (h + i + j + k) >0	Reject is included in the denominator of § VI. Approval Conditions Check								
		Х	Reject without a Negative									

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)

Voting Interest Reject 10 (Voting Interest Name: Self) Voter Reject 1 (Voter: Terry Asakawa)

	Referenced Section/ Paragraph	*TF/ N/A	TC Chapter to fill in, including text in the ballot if nec	essary.				
Negative	Negative Text	*Ori cop •	ginal complete Negative text (e.g., issue, justification ied. The specifications proposed by #4946 shall be optional, written as 'Additional CMS Capabilities' and other revisio Every revision which is optional shall clearly be noted as Since definitions of optional specifications for optional fur many sections confuse/mislead readers, those definitions concluded under one section (maybe under 10.7.8)	however, only section 10.7.8 is ns are written as mandatories. 'Optional'. nctions which are scattered on				
TF	input <mark>(optional)</mark>	This	 reject is same as for Reject 1 Voter 1 Negative 1 submitted by Naoko 	Murata (TEL)				
	Withdrawal	х	No Negative withdrawal made by Voter.	GO TO "Related" subsection				
	(check one)		Withdrawal document received by Standards staff on	GO TO "Final" subsection \rightarrow (A)				
Rela ted	Reason (check one)		'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection				
Persuas ve	Motion and Reason		Negative is related and persuasive. (Needs >1/3 votes 1	o pass.)				
Jasi	(check one)	x	X Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)					

		-		-	10.105					
					-					er Object. So it is mucl
					easier for read	ler/user to un	derstar	nd whe	en it is	with existing CARREIF
					State Model Di	iagram rather	than st	tanding	g alone.	It also gives uniformit
					to overall E87.					
				• As 4946D is for adding an additional CMS Capabilities on Table 39, it is						
					clearly indicate	ed that it is	not a	funda	amental	by describing "N" in
					"Requirement"	column in Tab	ole 39. '	"N" de	scribed	in "Rqmt" column of the
					Object Attribute	e has been us	ing in r	many o	other SI	EMI Software standards
					now. E90 is a p	perfect exampl	e of the	e case		
				•	E30					
			Reason		5.2 <i>Object Attr</i> information more supported by a following column	dels for standa n attribute def	rdized o	objects	will be	
					Attribute Name	Definition	Access	Rqmt	Form	
						Description of	RO or	Y or N		
					name of the attribute	the information contained	RW		Section 4.2.4.)	
					5.2.1 The Access (Read and Write service have to the 5.2.2 A "Y" or indicates if this meet fundamenta) to indicate the he attribute. "N" in the Requ attribute must b	access t iirement e suppo	that use t (Reqt) orted in	rs of the	
	Motion by/ 2 nd by	Byed	ongmin Im	ı (TE	L)/ Hyungsu Ki	m (Doople)				
	Discussion	None	е							
		11 Y	-0 N ; Mot	ion p	bassed.					
	Result of Vote		[Negative persuasiv		elated and • 1/3	ls a technica change recommende	ed?	Y) "Address by ical Change Option" ction
	(check one)				elated and not	(check one)		N) "Final" subsection
			persuasiv 2/3 < [Ne	-	e is related				→ (E)	
			and not p	ersu	asive.] < 90%	GO TO "Fina	l" sub	sectio	n → (C)
		^	and not p	ersu						Option" subsection
Sigr	This option can greater than 90%									by a vote equal to or
Not Significant	Use of "Not significant finding option" (check one)		It is mutu significan		agreed upon to	term the Nega	tive "no	ot	GO TC → (D)) "Final" subsection
-	/		۹)	()	Withdrawn	(counted und	der h iı	n disp	osition)
Final	(check if applicable)		(B	5)	Not related	(counted un	der i ir	n disp	osition)	
-			(C	;)	Related an	d not persuas	ive (sig	nificar	nt)	

			(D)	Not significant (counted under j in di	sposition)
			(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS
			(F)	Addressed by technical change (coun	ted under k disposition)
(check if applicable) Comment generated. See Section V-(ii) Comment #					

Disposition of Voting Interest Reject 10

Check only when the Document has not been failed.

1	Original	Original number (#) of Negatives (g)								
0	Number	umber of Negatives withdrawn (h)								
0	Number	Number of Negatives found not related (i)								
1	Number of Negatives found not significant (j)									
0			egatives addressed by technic <mark>t significant)</mark>	al change <mark>(Negative</mark>	(k)					
		x	g - (h + i + j + k) = 0	Reject is Not Valid and is not included in the denominator of § VI. <i>Approval Conditions Check</i>						
	Final		g - (h + i + j + k) >0	Reject is included in the Approval Conditions C	ne denominator of § VI. Check					
			Reject without a Negative	Not Valid						

Note: If all of the Negatives included with a Reject Vote are withdrawn, determined to be not related, or determined to be not significant, the Reject Vote is not valid. (*Regulations* ¶ 9.4.3.3) Note: A Negative addressed by a technical change is automatically considered to be not significant. (*Regulations* ¶ 9.6.4.4.2)

V. Comments V- (i) Voters' Comments Commenter 1 (Mochizuki Tadashi/TEL) - Comment 1

Com	*TF	/TC Chapte	er to	fill in section/paragraph #, if necessary.								
Comment		found the editorial error for the 2nd condition sentences of 10.7.8.5 PREDICTION ABORTED. CaRTUPTimeOut" is correct.										
	Th	he TC Chapter agreed to do one of the following actions.										
	*No	No motion is required in this step.										
A		Already ad	ddres	ssed by Commenter #, Comment #								
Action		No further	No further action was taken by the TC Chapter.									
_		Refer to the	ne TF	for more consideration.								
		New Busin										
	Х	Editorial C	Chang									
		Options for editorial change (check		Case 1: No vote in this section:To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.Case 2: Voted in this section:								
		one)	Х	Original section number and at least one full sentence are required in "FROM" and "TO" fields.								
Editorial Changes	1	10.7.8.5 C least • If the PRED cause • T_i2 ≥ getting predic	Condi ∶one cA DICTI ed by ≥ CaF g rea cted t	on/Paragraph 1.2.7/10.7.8.5 ition for the PREDICTION ABORTED — this state shall be assumed, when at of the following conditions is fulfilled: NRRIER READY TO UNLOAD PREDICTION status is WAITING FOR ON and the equipment can't estimate the time for READY TO UNLOAD a problem on the equipment. RTUPTimeOut, i.e. In the PREDICTED state, the estimated time of the carrier ady for unloading exceeded the time specified in <u>CaRTUTPTimeOut</u> past the ime. ment has changed the load port at which the carrier will be ready for unload.								

	TO: Section	n/Paragraph 1.2.7/10.7.8.5				
		ndition for the PREDICTION ABORTED — this state shall be assumed, when at ne of the following conditions is fulfilled:				
	PREDIC	CARRIER READY TO UNLOAD PREDICTION status is WAITING FOR TION and the equipment can't estimate the time for READY TO UNLOAD by a problem on the equipment.				
	getting r predicted	CaRTUPTimeOut, i.e. In the PREDICTED state, the estimated time of the carrier ready for unloading exceeded the time specified in <u>CaRTUPTimeOut</u> past the d time.				
	Justificatio Typo	n (If necessary)				
Motion		To approve above editorial change(s)				
Motion by	y/2 nd by	Byeongmin Im (TEL)/ Hyungsu Kim (Doople)				
Discussio	Discussion None					
Vote		11 Y -0 N ; Motion passed.				

Commenter 2 (Mitsuhiro Matsuda/Hitachi) - Comment 1

Co	*TF/TC Chapter to fill in section/paragraph #, if necessary.								
mn	It is recommended that these proposals should make one new separate chapter (before Chapter								
Comment	"21	"21 Requirements for Compliance"). It makes clear that these requirements are optional and							
Ā	Standard user may understand easily.								
	0.0								
	Th	e TC Chap	ter a	greed to do one of the following actions.					
	*No	*No motion is required in this step.							
₽		Already addressed by Commenter #, Comment #							
Action	Х	No further action was taken by the TC Chapter.							
		Refer to the TF for more consideration.							
		New Business							
		Editorial Change							
		Options		Case 1: No vote in this section:					
		for		To be included and voted on as a group in § VI. Editorial Changes Other					
		editorial		than Those Voted on in § V.					
		change (check one)		Case 2: Voted in this section:					
				Original section number and at least one full sentence are required in "FROM" and "TO" fields.					

Commenter 3 (Masaya Nagata/TEL) - Comment 1

Corr	*TF/TC Chapter to fill in section/paragraph #, if necessary.							
Comment	Tc, Tp and Te SHOULD BE PROIVDED AS Variable Data because an AMHS scheduler may need these data to decide the timing to dispatch an AMHS for that equipment.							
	The TC Chapter agreed to do one of the following actions.							
	*No motion is required in this step.							
A		Already addressed by Commenter #, Comment #						
Action	Х	No further action was taken by the TC Chapter.						
_		Refer to the TF for more consideration.						
		New Business						
		Editorial Change						
		Options	Case 1: No vote in this section:					
		for editorial	To be included and voted on as a group in § VI. <i>Editorial Changes Other than Those Voted on in § V</i> .					
		change (check one)	Case 2: Voted in this section:					
			Original section number and at least one full sentence are required in "FROM" and "TO" fields.					

V-(ii) Comments Created by Handling Negative None

VI. Editorial Changes Other than Those Voted on in § V None

VII. Approval Conditions Check

VII. - (i). Approval Rate

APPROVAL CONDITION 1: All Negatives have been discussed and were withdrawn, found not related, found not persuasive, or addressed by a technical change. (*Regulations* ¶ 9.7.1.2)

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	=	48	1	48	=	100.0%	≥90%

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

Note: See Regulations § 9.7.2 for further information.



Χ

Globally Approved (No Ratification Ballot needed):

Line Item 1 meets the Letter Ballot approval conditions for the global technical committee.

Need a Ratification Ballot:

Line Item 1 meets the Letter Ballot approval conditions for the TC Chapter and a Ratification Ballot will be issued to validate technical changes.



Checks for Entire Document Including All Approved Line Items

VIII. Safety Check

Note: This Safety check <u>applies to the entire Standard or Safety Guideline</u> including all the approved Line Items. See § 15 of the *Regulations* for further information.

	x	Th is s	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)						
Motion		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)							
				ecklist (<i>Regulations</i> ¶ 15.3) is complete and has been included with the Document the balloting process. (<i>Regulations</i> ¶ 15.1.2)					
I	Motion by/2 nd by		oy/2 nd by	Byeongmin Im (TEL)/ Hyungsu Kim (Doople)					
	Discussion		ission	None					
	Vote			11 Y -0 N ; Motion passed.					

IX. Intellectual Property (IP) Check

Note: This IP check <u>applies to the entire Standard or Safety Guideline</u> including all the approved Line Items. See § 16 of the *Regulations* for further information.

Х	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)											
	Х		otentially n righted iter	GO TO SECTION X.								
		сору сору	righted iter right releas	ally material patented technology or reproduction of nted items is known, but a Letter of Assurance (LOA) or nt release letter for such items has been obtained or ed to the TC Chapter.								
		use o	Potentially material patented technology or reproduction of copyrighted items is 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									
	Z		Ask ISC f	ISC for special permission to publish.								
	Motion		Quit activ	ity.	ty.							
	n		Wait for L	.OA for	OA for patented technology or release of copyrighted items.							
	Mot	ion by	y/2 nd by	Name (Company)/Name (Company)								
	Discuss		ssion	XXXX								
		Vot	te	XX Y-XX N								
	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

a			item(s) [X], [X] and [X] passed TC Chapter review as balloted and will be forwarded to the ISC SC for procedural review.					
(Ch plica			Line item(s) [X], [X] and [X] passed TC Chapter review with editorial changes and will be forwarded to the ISC A&R SC for procedural review.					
Motion (Check all applicable items)	×	Line item(s) [1] passed TC Chapter review with technical changes and with or without changes and will be forwarded to the ISC A&R SC for procedural review. A Ratification B be issued to verify the technical changes.						
(SI		Line item(s) [X], [X] and [X] failed TC Chapter review and will be returned to the TF f						
		Line item(s) [X], [X] and [X] failed TC Chapter review and work will be discontinued.						
Motion by	by/ 2nd by		Byeongmin Im (TEL)/ Hyungsu Kim (Doople)					
Discu	Discussion		None					
Vo	te		11 Y -0 N					
Final A	Antin		X Motion passed					
r mai P	ACTION		Motion failed					

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

A&R		Line item(s) [X], [X] and [X] are Approved for publication										
		Line item(s) [X], [X] and [X] are Approved pending acceptance of the Ratification Ballot										
		Line item(s) [X], [X] and [X] are Not approved										
	Re	Reason:										