#### Record of Letter Ballot Review by TC Chapter for Procedural Review

Region/Locale: North America

**Global Technical Committee: Information and Control** 

TC Chapter Cochairs: Brian Rubow (Cimetrix); Jack Ghiselli (Ghiselli Consulting); James Moyne

(Applied Materials, University of Michigan)

Standards Staff: Inna Skvortsova, James Amano

	Scheduled in Background Statement	Actual
Date	04/05/2017	04/05/2017
Location	SEMI HQ, Milpitas CA	SEMI HQ, Milpitas CA
Reason for Change of Date and/or Location (if changed)		

#### I. Document Number and Title

<b>Document Number</b>	Document Title
	REVISION TO SEMI E87.1-0707 with title change to:
	SPECIFICATION FOR SECS-II PROTOCOL FOR
	CARRIER MANAGEMENT (CMS)

## **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):

Voting Interest:	Returned Votes		Distribution		Return Rate	
Letter Ballot	61	÷	101	=	60.4%	≥60%
Intercommittee Ballot	13					
Voting Interest Reject(s)	4		Total	Vote	rs with Rejects	4
Voting Interest Accept(s)	37					

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

# III. Rejects

## Voting Interest Reject 1 (Voting Interest Name: SCREEN) Voter Reject 1 (Voter: Nishimura, Takayuki / Screen)

.109	alive i								
	Referenced Section/	*TF	/TC Chapter to fill in	, including text in the ballot if neo	essary.				
_	Paragraph	Table 5							
Negative	Negative Text	Cop Tab Ran E87	i <mark>ed.</mark> ile 5: ige is changed for C	ative text (e.g., issue, justification capacity from 25 to 255 subordinary standard, so if defir					
TF	input (optional)								
	Withdrawal	X	No Negative withdra	wal made by Voter.	GO TO "Related" subsection				
	(check one)		Withdrawal document MM/DD/YYYY.	nt received by Standards staff on	GO TO "Final" subsection → (A)				
	Motion and	X	'Related' is mutually	agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection				
Related	Motion and Reason		Negative is not relate	ed. (Needs ≥2/3 votes to pass.)	•				
ed	(check one)		Reason						
			Negative is related a	and persuasive. (Needs >1/3 votes	to pass.)				
		X	Negative is related a	and not persuasive. (Needs ≥2/3 vo	tes to pass.)				
Persuasive	Motion and Reason (check one)		Reason	E87 is not limited to 25 implementations of E87 use concluding the range would not have actual capacity 25, yet allowing. E87 does not limit capacity.  Some equipment using E87.1 allowing the capacity are than 25. Restricting to unnecessarily non-compliant.  Allowing up to 255 slots in a complementations of E87.1 that has	arriers which are not size 25. It affect implementations which we other to use carrier of larger to 25. It ready are using Capacity values to 25 makes these equipment carrier does not affect existing				
				E87 does not limit carriers to 25 not restricted.					
	Motion by/ 2 <sup>nd</sup> by	Bria	n Rubow (Cimetrix) /	Frank Summers (ISGDI)					
	Discussion	Non	e						
		6 Y-	-0 N; Motion passed						

		[Negative is related and persuasive.] > 1/3   change recommended		change recommended?		Y	GO TO "Address by Technical Change Option" subsection		
	Result of Vote (check one)		[Negative is related and persuasive.] < 2/3	d not	(check one)		Z	GO TO "Final" subsection → (E)	
			2/3 ≤ [Negative is relate and not persuasive.] < 9		GO TO "Final" s	ubsec	tio	n <b>→</b> (C)	
		X	90% ≤ [Negative is relat and not persuasive.]					inding Option" subsection	
No. Fin			sed only "if the TC Cha he persons voting on t					uasive by a vote equal to or 4.4.2)	
t Sign	Use of "Not		It is mutually agreed uposignificant".	agreed upon to term the Negative "not				GO TO "Final" subsection → (D)	
Not Significant Finding Option	significant finding option" (check one)	X	t is mutually agreed upon to term the Negative significant".				GO TO "Final" subsection → (C)		
	,		Whether or not the Negative is "not significant" is decide				ided	d by a vote.	
			(A) Witho	drawn	(counted under h	ı in di	spo	osition)	
			(B) Not re	elated	(counted under	i in di	spc	osition)	
	(check if	Χ	(C) Relat	ted an	d not persuasive (	signifi	can	t)	
Fina	applicable)		(D) Not s	signific	ant <mark>(counted und</mark>	er j in	di	sposition)	
<u>a</u>			(E) addre	essed	d persuasive and by technical chang	ge		DOCUMENT FAILS	
			(F) Addre	essed	by technical chan	ge (cc	oun	ted under k disposition)	
	(check if applicable)		Comment generated. S	ee Se	ction V-(ii) Comm	ent #	Χ.		

# **Disposition of Voting Interest Reject 1**

Check only when the Document has not been failed.

1	Original	numl	ber (#) of Negatives	(g)				
0	Number	of N	egatives withdrawn	gatives withdrawn (h)				
0	Number	of N	egatives found not related		(i)			
0	Number	of N	egatives found not significant		(j)			
0			egatives addressed by technicates technicates technicates technicates and technicates are seen to be seen to b	al change (Negative	(k)			
			g - (h + i + j + k) = 0	Reject is Not Valid and denominator of § VI. A	is not included in the pproval Conditions Check			
	Final		<b>g</b> - ( <b>h</b> + <b>i</b> + <b>j</b> + <b>k</b> ) >0	Reject is included in the Approval Conditions				
			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: Takasaki, Yoshihisa / SCREEN)

	ative i	TF/TC Chapter to fill in, including text in the ballot if necessary.							
	Referenced Section/	·	in, includi	ng text in the bal	lot if ne	cessary.			
_	Paragraph	Table 5							
Negative	No medical Treat	*Original complete Ne copied. Table5 Capacity:	gative tex	t (e.g., issue, jus	tificatio	n, suggestion) should be			
,,	Negative Text	The capacity range sh Maximum number '255 It should be physically	5' is not al	ole to be impleme					
TFi	input (optional)								
	Withdrawal	X No Negative withdr	rawal made	e by Voter.		GO TO "Related" subsection			
	(check one)	Withdrawal docum	ent receive	ed by Standards st	taff on	GO TO "Final" subsection → (A)			
R	Motion and	X 'Related' is mutuall	ly agreed ι	ıpon. (Needs no r	notion.	GO TO "Porquasivo"			
Related	Reason	Negative is not rela	ated. (Need	ds ≥2/3 votes to p	oass.)				
ted	(check one)	Reason							
		Negative is related	and persu	asive. (Needs >1/	/3 votes	s to pass.)			
		X Negative is related	otes to pass.)						
	Motion and Reason		imple Chan have	mentations of E8 ging the range w	7 use ould no , yet all	slot 300mm carriers. Some carriers which are not size 25. ot affect implementations which ows other to use carrier of larger y to 25.			
Pers	(check one)	Reason	greate		ricting	lready are using Capacity values to 25 makes these equipment			
suasive						carrier does not affect existing nave 25 slot carriers.			
/e				loes not limit carri	ers to 2	5. This seems to be intentionally			
	Motion by/ 2 <sup>nd</sup> by	Brian Rubow (Cimetrix)	/ Frank Su	ımmers (ISGI)					
	Discussion	<del>†</del>							
		6 Y-0 N; Motion passed	d						
	Result of Vote (check one)	[Negative is related persuasive.] > 1/3	d and	Is a technical change recommended?	Y	GO TO "Address by Technical Change Option" subsection			
		[Negative is related persuasive.] < 2/3	d and not	(check one)	N	GO TO "Final" subsection → (E)			

1 1			2/2 < [Negative is rela	oto d					
			2/3 ≤ [Negative is related and not persuasive.]		GO TO "Final" subsection	$on \to (C)$			
		X	90% ≤ [Negative is reand not persuasive.]		GO TO "Not Significant I	Finding Option" subsection			
					finds a Negative not pers tion". ( <i>Regulations</i> ¶ 9.6.	uasive by a vote equal to or .4.4.2)			
ot Sig	Use of "Not		It is mutually agreed significant".	upon to	term the Negative "not	GO TO "Final" subsection → (D)			
Not Significant Finding Option	significant finding option" (check one)	X	It is mutually agreed "significant".	upon to	term the Negative	GO TO "Final" subsection → (C)			
ΙĒ			Whether or not the N	egative i	is "not significant" is decide	ed by a vote.			
nd	Motion	The	he Negative is "not significant".						
ng Op	Motion by/ 2 <sup>nd</sup> by								
otion	,		0 Y-0 N; Motion pass	ed with	simple majority	GO TO "Final" subsection → (D)			
	Vote		XX Y-XX N; Motion fa	ailed with	n simple majority	GO TO "Final" subsection → (C)			
			<b>(A)</b> Wi	ithdrawn	(counted under h in disp	osition)			
			<b>(B)</b> No	t related	(counted under i in disp	sposition)			
	(check if	Χ	(C) Re	elated an	d not persuasive (significa	nt)			
Fina	applicable)		<b>(D)</b> No	t signific	ant (counted under j in d	isposition)			
าลl					d persuasive and not by technical change	DOCUMENT FAILS			
			<b>(F)</b> Ad	ldressed	by technical change (cour	nted under k disposition)			
	(check if applicable)		Comment generated.	See Se	ction V-(ii) Comment # X.				

#### **Disposition of Voting Interest Reject 2**

Check only when the Document has not been failed.

1	Original	numl	ber (#) of Negatives	(g)			
0	Number	of N	egatives withdrawn		(h)		
0	Number	of N	egatives found not related		(i)		
0	Number	of N	egatives found not significant		(j)		
0			egatives addressed by technic t significant)	al change (Negative	(k)		
			$\mathbf{g} - (\mathbf{h} + \mathbf{i} + \mathbf{j} + \mathbf{k}) = 0$	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 Approval Conditions Conditions Conditions			
			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: Matsuda, Mitsuhiro) Voter Reject 1 (Voter: Matsuda, Mitsuhiro / Hitachi)

	Referenced Section/		C Chapter to fill in, in					•		
Nec	Paragraph	Refere	Referenced Section/ Paragraph: Table 1 / column "CarrierReCreate"							
Negative	Negative Text	copie	*Original complete Negative text (e.g., issue, justification, suggestion) shoul copied. "SECS-II Message Name" shall be "Carrier Action Request/Acknowledge".							
								_		
TFi	nput (optional)		s not a technical char ial change #1.	nge. 1	The intended refe	renc	e is	clear. Will be addressed by		
	Withdrawal	X N	lo Negative withdrawal	made	e by Voter.			GO TO "Related" subsection		
	(check one)		Vithdrawal document re	eceive	ed by Standards st	aff or	n	GO TO "Final" subsection → (A)		
Relat ed	Motion and Reason	X 'F	Related' is mutually agr	eed u	pon. (Needs no n	notio	n.)	GO TO "Persuasive" subsection		
at	(check one)	N	legative is not related.	(Need	ds ≥2/3 votes to p	ass.	)			
	Motion and	N	legative is related and	persu	asive. (Needs >1/	3 vot	tes t	o pass.)		
	Reason (check one)	X N	X Negative is related and not persuasive. (Needs ≥2/3 v					tes to pass.)		
		R	Reason  This is not a technical change. The intended reference is a Will be addressed by editorial change #1.							
P	Motion by/ 2 <sup>nd</sup> by	Brian I	Rubow (Cimetrix) / Alb	ert Fu	chigami (PEER G	roup)	)			
ersı	Discussion	none								
Persuasive		6 <b>Y-</b> 0	N; Motion passed			_				
ve			Negative is related and ersuasive.] > 1/3		Is a technical change recommended?		Y	GO TO "Address by Technical Change Option" subsection		
	Result of Vote (check one)		Negative is related and ersuasive.] < 2/3	not	(check one)		N	GO TO "Final" subsection → (E)		
			/3 ≤ [Negative is related nd not persuasive.] < 9		GO TO "Final" s	ubse	ctio	n → (C)		
		^ aı	00% < [Nogative is related					Finding Option" subsection		
No Fin			ed only "if the TC Cha e persons voting on t					uasive by a vote equal to or 4.4.2)		
t Sign	Use of "Not		is mutually agreed upoignificant".	on to t	erm the Negative	"not		GO TO "Final" subsection → (D)		
Not Significant Finding Option	significant finding option" (check one)		is mutually agreed upo significant".	on to t	erm the Negative			GO TO "Final" subsection → (C)		
		V	Whether or not the Nega	ative i	s "not significant" i	is de	cide	d by a vote.		

			(A)	<ul><li>(A) Withdrawn (counted under h in disposition)</li><li>(B) Not related (counted under i in disposition)</li></ul>					
			(B)						
	(check if	Χ	(C)	Related and not persuasive (significar	nt)				
Fina	applicable)		(D)	Not significant (counted under j in di	sposition)				
al	<u>a</u>		(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS				
(F) Addressed by technical change (counted under k dis					ted under k disposition)				
	(check if applicable)		Comment generated. See Section V-(ii) Comment # X.						

Neg	Referenced Section/ Paragraph		TF/TC Chapter to fill in, including text in the ballot if necessary.  Referenced Section/ Paragraph: Table 3 / column "Used by S3,F27"							
Negative	Negative Text	cop	ied.	e text (e.g., issue, justification, it" and "CarrierRelease" shall	,					
TF	input (optional)		er intended a different ro jative be addressed with							
	Withdrawal	X	No Negative withdrawal r	made by Voter.	GO TO "Related" subsection					
	(check one)		Withdrawal document red MM/DD/YYYY.	ceived by Standards staff on	GO TO "Final" subsection → (A)					
R	Motion and	X	'Related' is mutually agre	ed upon. (Needs no motion.)	GO TO "Persuasive" subsection					
Related	Reason		Negative is not related. (I	Needs ≥2/3 votes to pass.)						
ted	(check one)		Reason							
			Negative is related and po	ersuasive. (Needs >1/3 votes to	o pass.)					
		X	Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)							
Persuasive	Motion and Reason (check one)		T Reason C S te	he discovered error is corrected the three additional services CancelCarrier are already linke ervices Message Mapping Taechnical change. It is a correctable 8.	carrierRelease, CarrierOut and d to the S3, F17 in Table 6 able. Therefore this is not a					
	Motion by/ 2 <sup>nd</sup> by  Brian Rubow (Cimetrix) / Albert Fuchigami (PEER Group)									
	Discussion									
		6 Y	0 N; Motion passed.							
• '	•									

	Result of Vote		[Negative is related and persuasive.] > 1/3		Is a technical change recommended?		Y	GO TO "Address by Technical Change Option" subsection GO TO "Final" subsection
	(check one)		[Negative is related and persuasive.] < 2/3	not	(Check one)		N	→ (E)
			2/3 ≤ [Negative is relate and not persuasive.] < 9	90%	GO TO "Final" s	ubsec	ctio	n → (C)
		X	90% ≤ [Negative is relat and not persuasive.]					inding Option" subsection
No: Fin	This option can be used only "if the TC Chapter finds a Negative not p greater than 90% of the persons voting on the action". (Regulations ¶							
t Sign ding (	Use of "Not		It is mutually agreed upon to term the Negative "not significant".				GO TO "Final" subsection → (D)	
Not Significant Finding Option	significant finding option" (check one)	X	It is mutually agreed upon to term the Negative "significant".				GO TO "Final" subsection → (C)	
	,		Whether or not the Negative is "not significant" is decide				ided	by a vote.
			(A) Without	drawn	(counted under l	h in di	isp	osition)
			(B) Not r	elated	(counted under	i in di	spo	osition)
	(check if	Χ	(C) Relat	ted an	d not persuasive (	signifi	can	it)
Fina	applicable)		(D) Not s	signific	ant <mark>(counted und</mark>	ler j in	ı di	sposition)
<u>a</u>					d persuasive and by technical chan			DOCUMENT FAILS
			(F) Addre	essed	by technical chan	ge (co	oun	ted under k disposition)
	(check if applicable)		Comment generated. Se	ee Se	ction V-(ii) Comm	ent #	Χ.	

. 109	ative 5						
	Referenced Section/	*TF/TC Chapter to fill in, including text in the ballot if necessary.					
Neg	Paragraph	Ref	erenced Section/ Paragraph: Table 3 / column "Used	by S3,F25"			
Negative	No gotivo Toyt	*Ori cop	ginal complete Negative text (e.g., issue, justification ied.	, suggestion) should be			
	Negative Text	"Ch					
TF	input (optional)						
	Withdrawal	X	No Negative withdrawal made by Voter.	GO TO "Related" subsection			
	(check one)		Withdrawal document received by Standards staff on MM/DD/YYYY.	GO TO "Final" subsection → (A)			
Z)	Motion and	X	'Related' is mutually agreed upon. (Needs no motion.)	GO TO "Persuasive" subsection			
Related	Reason		Negative is not related. (Needs ≥2/3 votes to pass.)				
ted	(check one)		Reason				

			Negative is related	d and persu	uasive. (Needs >1/3	3 vote	es t	o pass.)	
	Motion and Reason (check one)	Х	X Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)						
	(check one)		Reason		ntended reference i ut causing confusio			t has been this way for 15 years anges needed.	
٦	Motion by/ 2 <sup>nd</sup> by	Brian	Rubow (Cimetrix	) / Albert Fu	uchigami (PEER G	roup)			
ers	Discussion	None	•						
Persuasive		6 <b>Y</b> -0	N; Motion passe	ed.					
ive	Result of Vote	ı	[Negative is relate persuasive.] > 1/3		Is a technical change recommended?		Y	GO TO "Address by Technical Change Option" subsection	
	(check one)		[Negative is relate persuasive.] < 2/3		(check one)		N	GO TO "Final" subsection  → (E)	
		2	2/3 ≤ [Negative is and not persuasiv	related e.] < 90%	GO TO "Final" su	ubsed	ctio	, ,	
			90% ≤ [Negative is and not persuasive		GO TO "Not Sign	nifica	nt F	Finding Option" subsection	
	This option can greater than 90%	be us 6 of th	ed only "if the Tone persons voting	C Chapter g on the ac	finds a Negative retion". ( <i>Regulation</i>	not pe ns¶9	ersı 9.6.	uasive by a vote equal to or 4.4.2)	
z	_							·	
ot Sig	Use of "Not significant finding option" (check one)		t is mutually agre- significant".	ed upon to	term the Negative	"not		GO TO "Final" subsection → (D)	
Not Significant Finding			It is mutually agreed upon to term the Negative "significant".					GO TO "Final" subsection → (C)	
l t	(000000000)	\	Whether or not the Negative is "not significant" is decided by a vote.						
ndi	Motion	The N	Negative is "not si	gnificant".					
ng Opt	Motion by/ 2 <sup>nd</sup> by	Name	me (Company)/Name (Company)						
tion	Vote		XX Y-XX N; Motio	n passed w	vith simple majority			GO TO "Final" subsection → (D)	
	Vote		XX Y-XX N; Motio	n failed wit	h simple majority			GO TO "Final" subsection → (C)	
			(A)	Withdrawn	(counted under h	n in d	isp	osition)	
			(B)	Not related	d (counted under i	i in di	ispo	osition)	
	(check if	X	(C)	Related and not persuasive (significant)				nt)	
Final	applicable)		(D)		cant (counted und		า di	sposition)	
<u>a</u>			(E)	addressed	nd persuasive and i by technical chang	ge		DOCUMENT FAILS	
	(abort: !f		(F)	Addressed	by technical chan	ge (co	oun	ted under k disposition)	
	(check if applicable)	(	Comment generat	ted. See Se	ection V-(ii) Comm	nent #	<b>*</b> X.		

<u></u>	u	
ΦZ		*TF/TC Chapter to fill in, including text in the ballot if necessary.

	Referenced Section/	Referenced Section/Paragraph: Table 4, Table 5;						
	Paragraph							
		*Original complete I copied.	Negative tex	t (e.g., issue, jus	tificatio	n, suggestion) should be		
	Negative Text	Referenced Section/ Paragraph: Table 4 / column "SlotMap", Table 5 / column "Capacity" and Table 5 / column "SubstrateCount" E87 definition of Capacity following. Current Maximum number of substrates in a carrier is 25, so "Capa mapping to 51. Range shall not exceed its base concept in subordinate (mapp Standard to avoid misleading. It is better to keep Capacity Range: "125"						
TFi	nput (optional)	Standard to avoid m	nisleading. If	t is better to keep	<u>Capac</u>	ity Range: "125"		
	Withdrawal	X No Negative with	ndrawal mad	e by Voter.		GO TO "Related" subsection		
	(check one)	Withdrawal docu	ıment receive	ed by Standards st	taff on	GO TO "Final" subsection → (A)		
R	Motion and	X 'Related' is mutu	ıally agreed ι	ıpon. <mark>(Needs no</mark> r	notion.)	CO TO "Porqueoive"		
Related	Reason	Negative is not r	elated. (Nee	ds ≥2/3 votes to p	oass.)			
ed	(check one)	Reason						
		Negative is relate	ed and persu	asive. (Needs >1/	/3 votes	to pass.)		
	Motion and Reason (check one)	X Negative is related and not persuasive. (Needs ≥2/3 votes to pass.)						
			imple Chan have	mentations of E8 ging the range w	7 use of ould not only ould not out out only out	slot 300mm carriers. Some carriers which are not size 25. of affect implementations which ows other to use carrier of larger y to 25.		
		Reason	greate		ricting t	Iready are using Capacity values to 25 makes these equipment		
Pers				carrier does not affect existing have 25 slot carriers.				
Persuasive			E87 does not lin not restricted.			not limit carriers to 25. This seems to be intentionally		
<b>е</b> 	Motion by/ 2 <sup>nd</sup> by	Brian Rubow (Cimetri	•					
	Discussion	None						
	_	6 Y-0 N; Motion pass	sed					
		[Negative is related persuasive.] > 1/		Is a technical change recommended?	Y	GO TO "Address by Technical Change Option" subsection		
	Result of Vote (check one)	[Negative is relative.] < 2/		(check one)	N	GO TO "Final" subsection → (E)		
		2/3 ≤ [Negative i and not persuasi		GO TO "Final" s	ubsecti	on → (C)		
		X 90% ≤ [Negative and not persuasi		GO TO "Not Sign	nificant	Finding Option" subsection		

Not Find				e TC Chapter finds a Negative not persiting on the action". ( <i>Regulations</i> ¶ 9.6.				
Sigr ding	Use of "Not		It is mutually ag significant".	greed upon to term the Negative "not	GO TO "Final" subsection → (D)			
nificant Option	significant finding option" (check one)	X	It is mutually aલ્ "significant".	greed upon to term the Negative	GO TO "Final" subsection → (C)			
			Whether or not	hether or not the Negative is "not significant" is decided by a vote.				
			(A)	Withdrawn (counted under h in disposition)				
			(B)	Not related (counted under i in disposition)				
	(check if	X	(C)	Related and not persuasive (significan	nt)			
Final	applicable)		(D)	Not significant (counted under j in di	sposition)			
a			(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 gene	nerated. See Section V-(ii) Comment # X.				

#### **Disposition of Voting Interest Reject 3**

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	Number of Negatives found not related (i)					
0	Number	Number of Negatives found not significant (j)					
0		er of Negatives addressed by technical change (Negative les not significant)			(k)		
			$\mathbf{g} - (\mathbf{h} + \mathbf{i} + \mathbf{j} + \mathbf{k}) = 0$	Reject is Not Valid and is not included in the denominator of § VI. Approval Conditions Che			
	Final	X	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: PEER Group) Voter Reject 1 (Voter: Albert Fuchigami / PEER Group)

οZ		*TF/TC Chapter to fill in, including text in the ballot if necessary.
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	Referenced Section/ Paragraph	spe	able 2 – Service Parameters to SECS-II Data Items Mapping does not consistently pecify format codes in the Range comments for all items (For example, AccessMode trameter should specify format 51					
			iginal complete ied.	Negative text (e.g., issue, justification	n, suggestion) should be			
Negative Text  Does it make sense to add a comment along the lines of "Data Type restrict conflict with the newer 300 mm standards and therefore, the constraints for the newer standards shall take precedence over the restrictions found in S (Similar to comment in Ballot 6066A v1.0 – Line Item #1)								
TF	input (optional)							
	Withdrawal		No Negative wi	thdrawal made by Voter.	GO TO "Related" subsection			
	(check one)	X	Withdrawal doc 04/04/2017.	cument received by Standards staff on	GO TO "Final" subsection → (A)			
		X	(A)	Withdrawn (counted under h in dis	sposition)			
			(B)	Not related (counted under i in disp	oosition)			
	(check if		(C)	Related and not persuasive (signification	ant)			
Fina	applicable)		(D)	Not significant (counted under j in c	lisposition)			
<u>a</u>			(E)	Related and persuasive and not addressed by technical change	DOCUMENT FAILS			
			(F)	Addressed by technical change (cou	nted under k disposition)			
	(check if applicable)		Comment gene	rated. See Section V-(ii) Comment # X	Comment generated. See Section V-(ii) Comment # X.			

#### **Disposition of Voting Interest Reject 4**

Check only when the Document has not been failed.

1	Original	ginal number (#) of Negatives (g)					
1	Number	nber of Negatives withdrawn (h)					
0	Number	Number of Negatives found not related (i)					
0	Number	Number of Negatives found not significant (j)					
0			egatives addressed by technic t significant)	al change (Negative	(k)		
			$\mathbf{g} - (\mathbf{h} + \mathbf{i} + \mathbf{j} + \mathbf{k}) = 0$	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 Conditions Conditions			
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)

### **IV. Other Technical Issues**

#### None

#### V. Comments

### V- (i) Voters' Comments

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

		1 1 1 1 1 1 1		ti, radaomirez j					
шоЭ	*TF	*TF/TC Chapter to fill in section/paragraph #, if necessary.							
Comment	In Table 1 Service Message Mapping Table, about SECS-II Message Name of CarrierReCreate "Carrier Action Request/Acknowledge" is correct.								
	The TC Chapter agreed to do one of the following actions.								
	*No	motion is	requ	uired in this step.					
Already addressed by Commenter #, Comment #									
Action	No further action was taken by the TC Chapter.								
Refer to the TF for more consideration.				for more consideration.					
		New Business							
	X Editorial Change								
		Options		Case 1: No vote in this section:					
		for editorial	Х	To be included and voted on as a group in § VI. Editorial Changes Other than Those Voted on in § V.					
	change (check			Case 2: Voted in this section:					
		one)		Original section number and at least one full sentence are required in "FROM" and "TO" fields.					

This table is needed for each Comment.

# V-(ii) Comments Created by Handling Negative NONE

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

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

	Origin of this editorial cha	ange	Commenter 1 Comment 1 / Mochizuki, Tadashi (TEL) Reject 3 Negative 1 / Matsuda Mitsuhiro (Hitachi)			
	(Check one)		Other [ ]			
1	FROM: Section/Paragraph Table 6 "Services Message Mapping Table"					
	CarrierReCreate S	3,F17/18	CarrierReCreate Request/Acknowledge			

	TO: Section/Paragraph Table 6 "Services Message Mapping Table"								
	CarrierReCreate S3,F17/18 Carrier Action ReCreate Rquest Request/Acknowledge								
	Justification: (If necessary) This is not a technical change. The intended reference is clear.								
	Origin of this editorial change				Reject 3 Negative 2 / Matsuda	Mitsuhiro (Hitachi)			
		Check one)			Other [ ]				
			ection/Paragraph dditional Data Item Requirements Table"						
			1	unct	ion	SECS-II Data Item			
	Used by S CancelCar CancelCar	CARRIERACTION							
	CarrierRe	Create							
2									
TO: Section/Paragraph Table 8 "Additional Data Item Requirements Table"									
	F F			uncti		SECS-II Data Item			
		*		en Bind, CancelCarrierOut,	CARRIERACTION				
	CancelCarrierAtPort, CancelBind, CarrierIn, ProceedWithCarrier, CancelCarrierNotification CarrierNotification services, and								
		Create, Cance							
	Justification: (If necessary) The three additional services CarrierRelease, CarrierOut and CancelCarrier are already linked to the S3,F17 in Table 6 Services Message Mapping Table. Therefore this is not a technical change. It is a correction to the summarizing list in Table 8.								
N	Motion	To approve the above editorial change(s).							
	otion by/ 2 <sup>nd</sup> by	Brian Rubow (Cimetrix) / Albert Fuchigami (PEER Group)							
Dis	scussion	NONE							
	Vote	6 Y-0 N; Motion passed							

# **VII. Approval Conditions Check**

## VII. - (i). Approval Rate

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

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	=	37	1	40	=	92.5%	≥90%

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

Note: See Regulations § 9.7.2 for further information.



## **Globally Approved (No Ratification Ballot needed):**

The Letter Ballot meets the Letter Ballot approval conditions for the global technical committee.



#### **Need a Ratification Ballot:**

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

## VIII. Safety Check

Note: See Regulations § 15 for further information.

Motion	X	Th is	<b>This is not a Safety Document</b> , when all safety-related information is removed, the Document is still technically sound and complete. ( $Regulations $ ¶ 8.7.1)					
	This is a Safety Document, when all safety-related information is removed, the Document technically sound and complete. (Regulations ¶ 8.7.2)							
		Safety Checklist ( <i>Regulations</i> ¶ 15.3) is complete and has been included with the Docume throughout the balloting process. ( <i>Regulations</i> ¶ 15.1.2)						
	Motion by/2 <sup>nd</sup> by			Brian Rubow (Cimetrix) / Matsuda, Mitsuhiro (Hitachi Ltd)				
	Discussion			None				
	Vote			6 Y-0 N; Motion passed				

## IX. Intellectual Property (IP) Check

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

X	(	The TC Chapter meeting chair asked those participating, if they were aware of any potentially material patented technology or copyrighted items* in the Standard or Guideline. ( <i>Regulations</i> ¶ 8.8.1)			
		X	No potentially material patented technology or reproduction of copyrighted items is known.	GO TO SECTION X.	

\* 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

			This Document passed TC Chapter review as balloted and will be forwarded to the ISC A8 SC for procedural review.							
M	X		This Document passed TC Chapter review with editorial changes and will be forwarded to the SC A&R SC for procedural review.							
Motion		This Document passed TC Chapter review with technical changes and with or without editorial changes and will be forwarded to the ISC A&R SC for procedural review. A Ratification Ballot will be issued to verify the technical changes.								
		This Document failed TC Chapter review and will be returned to the TF for rework.								
		This Docu	Document failed TC Chapter review and work will be discontinued.							
		ion by/ <sup>Id</sup> by	Brian Rubow (Cimetrix) / Albert Fuchigami (PEER Group)							
[	Discussion		NONE							
	Vote		6 Y-0N							
F	inal	Action	X Motion passed							
1 '	mai	Action	Motion failed							

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

		Approved for publication				
A&R		Approved pending acceptance of the Ratification Ballot				
Aor		Not approved				
	Reason:					