Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)

Submission Title: [comment and proposed resolution]

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Re: []

Abstract: [Proposed resolution about comment T-CID]

Purpose: [Contribution to IEEE 802.15.7 TG-VLC]

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Comment and proposed resolution

2010.09

Samsung Electronics

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Technical comment T-CID 193

❖ From 15-10-0681-08-0007-lb57-combined-comment-sheet

[))	Name	Vote	Clause	Subclaus	Page	Line	Туре	PartOf NoVote	Comment	Suggested Remedy
		Sridhar R ajagopal	Yes	6	6.3.9	161	15	Т	No	Blinking frequency is not defined. Recommend a 8-bit timer in multiples of 4ms. Add text at end of paragraph " The blinking frequency is set by an 8-bit timer in multiples of 4 ms. The blinking color is set according to the band plan in Table 1"	do as comment

Comment

- Blinking frequency is not defined. Recommend a 8-bit timer in multiples of 4ms
- Accept in principle and Instruction to editor: add text at end of the paragraph
 - It can help to alignment and it is only for a mobile equipment.
 The blinking period is set by an 8-bit timer in multiples of 100 ms (10Hz).

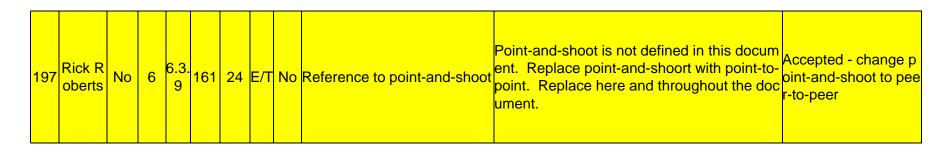
CID	Name	Vote	Clause	Subclaus e	Page	Line	Туре	PartOfNo Vote	Comment	Suggested Remedy
194	Rick Robert s	No	6	6.3.9	161		Т	Yes	In Figure 93 change the last field name to "blinking wavelength" in stead of blinking color.	As per the comment

- Based on agreement of T-CID 275
 - The use of the term "channel" is incorrect and this clause and all its subclauses should use the term "band".
- * Resolution:
 - Modified the figure, cause how can the coordinator force to use a particular color
- Instruction to editor:
 - Delete the last column

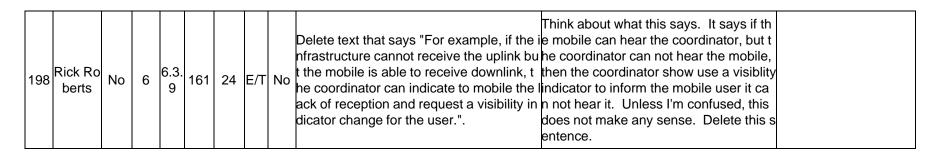
Octets: 7	1	1
MHR fields	Command Frame Identifier (reference 87)	Blinking <mark>period</mark> frequency

С	ID	Name	Vote	Clause	Subclause	Page	Line	Туре	PartOfNoV ote	Comment	Suggested Remedy
,	95	Rick Rob erts	No	6	6.3.9	161	23	Т	Yes	Modify text	In such cases, the mobile device may need needs to change the visiblity indication

- * Resolution:
 - Accept in principle
- Instruction to editor: change the text
 - In such cases, the mobile device can change the visibility indication from continuous visibility for point-and-shoot to blinking indication.



- Re consider the T-CID 197: the previous resolution is not appropriate.
- Point and shoot is the not just Peer to peer.
- Need to add the definition
- ❖ Point and shoot: before the transmit the data, the device can send the CVD frame to show the direction of the visibility light to the user
- Suggested remedy: define the point-and shoot and keep the point-and shoot.



- Accept
- Delete the setence

Technical comment related 6.3.12 T-CID 199, 200, 201, 202

199	Sridha r Raja gopal	Υ	6	6.3 .12	162	35	Т		6.3.12 is empty with no text except for a Table. At a bar e minimum a statement mu st be added saying "The mo bility notification command i s shown in Figure 96"	do as comment	
200	Jaese) ung S on	Yes	6	6.3 .12	162	44	Т		"7.3.12.1 Mobility fields	"Refer to 6.6.12, concept of VL	mand is snown in Figure 96.
201	Rick R oberts	No	6	Fig ure 96	162		Т	No	In the last field called "mobil ity field"	Is the mobility field in Figure 96 the same as the Spatial-mobilit y of table 98? If so then use the same terms.	
202	Rick R oberts	No	6	6.3 .12	162		Т	No	11 0616 15 00 1681 10 6 3 17	Add explanatory text to comple ment Figure 96.	

Technical comment T-CID 199, 200, 202

199	Sridha r Raja gopal		6	6.3 .12	162	35	Т		6.3.12 is empty with no text ex cept for a Table. At a bare mini mum a statement must be add ed saying "The mobility notifica tion command is shown in Figure 96"	do as comment	
200	Jaese ung S on		6	6.3 .12	162	44	Т		"7.3.12.1 Mobility fields	C cell and mobility "	The mobility notification command is shown in Figure 96. concept of VLC celland mobility is defined in 6.6.12.
202	Rick R oberts	No	6	6.3 .12	162		Т	No	II nere is no text in 6.3.17	Add explanatory text to comple ment Figure 96.	

- Comments are same: not ext in 6.3.12
- Accept the remedy of 199 and 200
- suggested remedy
- insert following sentence at line 44 in page 166 "The mobility notification command is shown in Figure 96. and the reference is the 6.6.12, concept of VLC cell and mobility."

201	Rick Ro berts	No	6	Fig ure 96			Т		in the last field called "mobili tv field"	Is the mobility field in Figure 96 the same a s the Spatial-mobility of table 98? If so the n use the same terms.
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suggested remedy

No it's NOT. The mobility field in fig. 96 and the Spatial-mobility in table 98 is NOT same.

The mobility notification command is the one of the MAC command frame. The spatial-mobility of table 98 is MAC command frame payload. (see the beside captured table 87 and 98)

Keep the original text.

Table 87-MAC command frames

Command frame	Command name	dev	ice	Sub clau se	
identifier	Command name	Tx Rx		sunciause	
0x07	Coordinator realignment		Х	6.3.7	
0x08	GTS request			6.3.8	
0x09	Blinking notification			6.3.9	
0x0a	Dimming notification			6.3.10	
0x0b	Fast link recovery			6.3.11	
0x0c	Mobility notification			6.3.12	
₽₽₽₽	GTS Reconne			6313	

Table 98-Management payload field

Management payload field	Size (bits)	u sage	Down/Up Link	
Cell_info	15	Cel ID (D/L) Coordinator ID (D/L) Optical Source ID (D/L) Celln_ID_n, PID (U/L)	D/L, U/L	
device_ID	10	Device ID	D/L, U/L	
B_info	2	Cell boundary information	D/L	
Fractional_src	1	Using fractional resource assignment Set 1: yes (fractional resource assignment)	D/L	