

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

**Submission Title:** [comment CID 651, 681 and proposed resolution]

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**Re:** []

**Abstract:** [Proposed resolution about comment CID 651, 681, 708, 713, 811a, 813, 814, 815, 816, 817]

**Purpose:** [Contribution to IEEE 802.15.7 TG-VLC]

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**Comment CID 651,  
681,708,713, 811a, 813,  
813a, 814, 815, 816, 817  
and proposed resolution**

2010. 06

**Samsung Electronics**

# Technical comment CID 651 (1/2)

CID	Name	Clause	Subclause	Page	Line	Comment	Suggested Remedy
651	R. Roberts	7.2.2		136		Reference to visibility frame but the visibility frame is not in this section	Shouldn't the visibility frame be in this section ? Move 7.3.17 to this section.

## ❖ Current contents list

### 7.2.2 Format of individual frame types (page 136)

Five frame types are defined: **beacon**, **data**, **acknowledgment**, **MAC command** and **visibility**. These frame types are discussed in 7.2.2.1 through 7.2.2.3.

7.2.2.1 **Beacon** frame format

7.2.2.2 **Acknowledgment** frame format

7.2.2.3 **MAC command** frame format

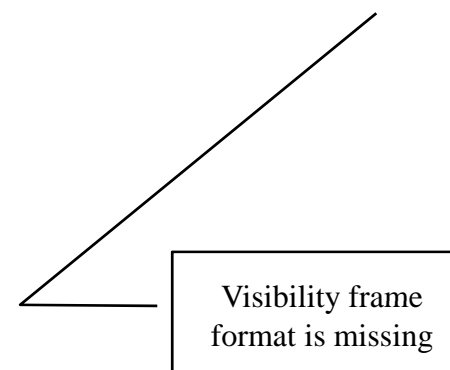
### 7.2.3 Information elements

7.2.3.1 Codeword

7.2.3.2 Capabilities IE

7.2.3.3 Color Quality Indicator IE

7.2.3.4 **Data** frame format



# Technical comment CID 651 (2/2)

## ❖ Suggested Remedy

If we look at the D1 draft , visibility frame can be found at 7.5.

### 1. Accept in principle.

**Visibility frame is not in that section**

### 2. Commentator's remedy is not appropriate.

**Sub clause 7.3.17 is MAC command frame not just Visibility frame. So, Subclause 7.5 visibility frame is more appropriate.**

#### **Suggestion:**

**move subclause 7.5 visibility frame into the 7.2.2 section with changing the number.**

**Besides, I recommended that 7.2.3.4 Data frame format need to be moved in 7.2.2 either.**

## ❖ Over view of contents list

### 7. MAC sub layer specification

#### 7.1 MAC sub layer service specification

#### 7.2 MAC frame formats

##### 7.2.1 General MAC frame format

##### 7.2.2 Format of individual frame types

###### 7.2.2.1 **Beacon** frame format

###### 7.2.2.2 **Acknowledgment** frame format

###### 7.2.2.3 **MAC command** frame format

##### 7.2.3 Information elements

###### 7.2.3.1 Codeword

###### 7.2.3.2 Capabilities IE

###### 7.2.3.3 Color Quality Indicator IE

###### 7.2.3.4 **Data** frame format

#### 7.3 MAC command frames

##### 7.3.1 Association request command

##### 7.3.2 Association response command

##### 7.3.16 Channel hopping command

##### 7.3.17 Visible Frame Transmission command

#### 7.4 MAC constants and PIB attributes

#### **7.5 Visibility frame (Page 169)**

# Technical comment CID 681

CID	Name	Clause	Subclause	Page	Line	Comment	Suggested Remedy
681	Sridhar Rajagopal	7.3		149		visible frame transmission	visible frame is not a MAC command frame . Hence, confusion

- ❖ The comment and remedy suggested that deleting the visible frame transmission, because that's not a MAC command frame.
- ❖ The commentator confused between "7.5 Visibility frame" (page 169) and 7.3.17 and 7.3.17.1 (page 161), the "visible frame transmission"
- ❖ If look into subclause 7.3.17 and 7.3.17.1 (page 161), the "visible frame transmission" is one of MAC command.
- ❖ **So suggested remedy is: Reject.**
- ❖ Make a note in comment & resolution excel file like below, if need.
  - If look into subclause 7.3.17 and 7.3.17.1 (page 161), the "visible frame transmission" is one of MAC command.
  - Subclause "7.5 Visibility frame" (page 169) is what commentator meant.

# Technical comment CID 708, 713

CID	Name	Clause	Subclause	Page	Line	Comment	Suggested Remedy	
708	Sridhar Rajagopal	7.3.17.1		161		Link recovery section missing	add link recovery section based on DCN 106	
713	David Cypher	7	7.4	162	1	Text and table 83 appear to describe a new command frame, but no new subclause for it	Delete entire text	
714	R. Roberts	7.3.17.1		162	1 to 16	Remove redundant text ... the text at the top of page 162 was already presented in clause 7.3.11.	Delete redundant text at the top of page 162.	accept - editorial - delete one instance of the text - the TE will determine which one to keep.

- ❖ **Accept in principle.**
- ❖ **Actually, those are the same result as that of CID 714.**
- ❖ **For CID 708, Link recovery section is place in subclause. 7.6.9 (page 210). The text in DCN 106 seems already implemented in the text.**
- ❖ **For CID 713, Sentences between line 1 and 16 are same as those of subclause. 7.3.11**
- ❖ **So, suggested remedy is same as CID 714 remedy.**

# Technical comment CID 811a

CID	Name	Clause	Subclause	Page	Line	Comment	SuggestedRemedy
811a	Clint Chaplin	7	7.6.16	237		(JS) Section 7.6.16 is duplicate with section 7.6.11	Delete section 7.6.16

❖ **Current contents list**

- 7.6.11 Multiple channel resource assignment (page 220)**
  - 7.6.11.1 Multiple channel information**
  - 7.6.11.2 Channel hopping for interference avoidance**

.....  
 .....

- 7.6.16 Multiple channel information (page 237)**
- 7.6.17 Channel hopping for interference avoidance**
  - 7.6.17.1 Hopping pattern information**

If we look at the contents list, currently, same title and similar contents are exist. The text in that sub clause is not exactly same but it's very similar.

So,

**Accept the comment and remedy:**

delete subclause 7.6.16 including figure 149 and table 93 in that sub-clause.

In addition to deleting subclause 7.6.16, I suggest to delete the subclause 7.6.17 including 7.6.17.1 and figure 150 and table 94.

# Technical comment

## CID 813, 813a, 814, 815, 816, 817

CID	Name	Clause	Sub clause	Page	Line	Comment	Suggested Remedy		
813	David Cypher	7	7.6.16	238	35	What is the difference between this figure and figure 128?	Delete this figure and reference the other	Sridhar	see CID 811a
813a	Clint Chaplin	7	7.6.17	239	13	(JS) Section 7.6.17 should be deleted. Because, it is from D0 version document and a new document was proposed and TR reflect it in Annex H.1 channel hopping information.	Delete section 7.6.17	Sridhar	agree that the text is duplicate but need to discuss which one to delete
814	David Davenport	7.6.17	7.6.17.1	239	17	A node wishing to join a network that is employing channel hopping will not know the next channel or the time of next channel change as this information is not conveyed in the beacon.	Add fields to beacon message to convey next channel and time to next channel change.	Sridhar	
815	David Cypher	7	7.6.17.1	239	15	2009 IEEE Standards Style Manual 11.1 is not being followed.	remove heading 7.6.17.1, since there is no other subclause.	Easley	Accept
816	David Cypher	7	7.6.17.1	239	25	The text here and figure here are repeated in Annex H.1, why?	Delete Annex H.1 entire subclause	Sridhar	agree that the text is duplicate but need to discuss which one to delete
817	David Davenport	7.6.17	7.6.17.1	239	17	A node wishing to join a network that is employing channel hopping will not know the next channel or the time of next channel change as this information is not conveyed in the beacon.	Add fields to beacon message to convey next channel and time to next channel change.	Sridhar	

- ❖ Suggested remedy is “refer the CID 811a results.
- ❖ Based on CID 811a resolution, sub-clause 7.6.16, 7.6.17 and 7.6.17.1 is going to be deleted.