

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

**Submission Title:** [Discussion on the initial SB comment No.32]

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**Re:** [Response to the initial SB for the IEEE 802.15.7 standard]

**Abstract:** [This document describes some discussion points on the initial SB comment No.32]

**Purpose:** [To provide some discussion points on the initial SB comment No.32]

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# Discussion on the initial SB comment No.32

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# Comment No.32

Comment No.	Name	Page	Subclause	Line	Comment	Proposed Change
32 (line 7)	Joachim Walewski	2	3.1	7	color-stabilization support not mentioned	Instead of "visibility and dimming support" write "visibility, color-stabilization, and dimming support"

- color visibility dimming frame: A frame used for (c)olor, (v)isibility and (d)imming support. The color visibility dimming frame visually provides information such as communication status and channel quality to the user, via various colors. The color visibility dimming frame may also be sent during idle or receive modes of operation for continuous **visibility and dimming support**.

# Discussion point on comment No.32

- color stabilization: A control loop for the stabilization of the color emitted by color-shift-keying transmitters.
- CVD frame is, as defined in its definition, a frame for color, visibility, and dimming support, not for color stabilization. In addition, the color stabilization is tightly coupled with CSK operation.
- So, CVD frame is completely distinct from color stabilization.
- Recommendation
  - What we do not include the color stabilization on the definition of CVD frame is correct.