

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

Submission Title: [LB50 comment resolution related to subclause 6.6]

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Re: [Response to LB50 comments]

Abstract: [This document describes a LB50 comment resolution related to subclause 6.6]

Purpose: [Proposal to resolve LB50 comments]

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LB50 comment resolution related to subclause 6.6

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CID 421, 425, 429, 430 and 435a

- Comments
 - resolve Editor's Note
 - [Ed. Note: T-CID46 in doc 10/47r6 indicated that 5 kbps may not be satisfactory for PHY 1 link establishment... this issue was never closed and still needs to be addressed]
 - define mandatory data rate for link establishment
- Already resolved by doc 10/0342/r3
- Resolution/Instruction to editor
 - CID 421: Accept in principle, see doc 10/0342/r3 slide 3 and 4
 - CID 425, 429, 430 and 435a: Accept, see doc 10/0342/r3 slide 5

CID 422

CID	Name	Clause	Subclause	Page	Line	Comment	Suggested Remedy
422	David Cypher	6	6.6	47	3	Misplaced modifiers	The type 1 PHY is targetted towards applications requiring data rates shown in Table 2 and operating in devices which are several tens of meters in range.

- Original sentence
 - The type 1 PHY is targetted towards applications **requiring data rates** operating at several tens of meters of range with data rates shown in Table 2.
- It looks like a English grammar or expression problem.
- Resolution/Instruction to editor
 - Accept. Change the text as suggested remedy

CID 432

CID	Name	Clause	Subclause	Page	Line	Comment	Suggested Remedy
432	R. Roberts	6.6		47		Need to insert a table of MSC modes into this section.	We currently have no way of identifying MCSs in regards to indicating how the packet body is encoded. Suggest the following MCS numbering for the TYPE 1 PHY. MCS 1: 11.67 kbps MCS 2: 24.44 kbps ...

- MCS ID for each PHY type will be described at subclause 6.4.1.3.3 according to doc 10/448/01
 - If we insert a table of MCS for PHY I into this section, we also have to insert a table for PHY II & III.
 - But it will be a duplication and redundancy.
- Resolution/Instruction to editor
 - Reject. Already described at subclause 6.4.1.3.3 according to doc 10/448/01

CID 463

CID	Name	Clause	Subclause	Page	Line	Comment	Suggested Remedy
463	R. Roberts	6.6.5		53		Add a sentence to the text in 6.6.5	Add the following sentence after the current sentence ... "The extinction ratio is at the discretion of the implementer". The reason this is added is because to send a logic zero, it is not necessary to completely extinguish the LED light ... it could be just slightly dimmed for a logic zero. Not specifying the extinction ratio allows the implementer to lessen the flicker effect by not doing 100% AM modulation.

- Same comment with CID 469
 - Different section but same contents about symbol to optical mapping
- Resolution/Instruction to editor
 - Accept, see CID 469
 - CID 469: Accepted - also modify the existing text in this section by deleting the words "logic" in two places.