

July, 2010

doc.: IEEE 802.15-10-0522-03-004g

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

Submission Title: [Comment resolutions for FSK]

Date Submitted: [July , 2010]

Source: [Alina Liru LU, Hiroshi HARADA, Ryuhei FUNADA , Fumihide KOJIMA]

Company [NICT]

Address [3-4, Hikarino-oka, Yokosuka, 239-0847, Japan]

Voice: [+81-46-847-5092], FAX: [+81-46-847-5440], E-Mail: [liru@nict.com.sg, harada@nict.go.jp]

Re: []

Abstract: [This document provides resolutions to comments for FSK]

Purpose: [This document provides resolutions to comments of LB51]

Notice: This document has been prepared to assist the IEEE P802.15. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

Release: The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15.

FSK CID 1100

- Comment:
Document/table says: "phyFSKFECInterleaving", Is this parameter used only by FSK?
- Response: Accept in principle, no change required.
 - The parameter is only used by FSK

FSK CID 1214

- Comment:
 - The section on the MR-FSK PHY in sub-clause 6.12a requires further clarification, e.g. there is missing the initial state of the memory registers used in the FEC, it is unclear how bits map to coded/interleaved bits, superscripts and subscripts appear swapped at time, etc.
- Response: Accept in principle
- Resolution:
 - Resolved by revised document 15-10-0266-04

FSK CID 1220

- Comment:

SHR shall never be sent in 4(G)FSK modulation, and it should be avoided for PHR as well.

- Response:

The comment shall be under 'preamble' category, it has been resolved by Document number 15-10-401-00 provided by Yasukawa-san

FSK CID 1224

- Comment: Except for here, the rest of the draft maps a "00" symbol to the largest negative output (voltage or deviation), and Grey codes the remaining mappings. This is an established encoding also used in 802.11.
- Response: Reject
- Resolution: The current bit-symbol-mapping scheme was agreed in comment spreadsheet P802.15-10-0031-18-004g in Orlando Plenary meeting.

FSK CID 1233

- Comment: Block diagram in Figure 65a is incomplete, since FEC and Data Whitening are missing.
- Response: Accept in principle
- Resolution: Resolved by Document 15-10-0356-03