

**Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)****Submission Title:** [2<sup>nd</sup> Status Report of Coexistence/Interoperability Subgroup]**Date Submitted:** [Dec 10, 2009]**Source:** [C.S. Sum]

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**Re:** []**Abstract:** [Status Report of TG4g Subgroup]**Purpose:** [This document provides the status report of the coexistence subgroup for 802.15.4g.]**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.

# 2<sup>nd</sup> Status Report of Coexistence/Interoperability Subgroup

Chin-Sean Sum

NICT

Dec 10

Updated information is in **RED** font

# Subgroup Planning

- Phase 1
  - Prepare a unified document for coexistence and interoperability (**ongoing**)
    - Core working members: Mark Wilbur, Ben Rolfe, Chin-Sean Sum
- Phase 2
  - Obtain the Common Signaling PHY candidate from the FSK proposers (**ongoing**)
    - Currently discussion is in progress in the FSK proposers (**ongoing**)
    - Agreement expected before Christmas (**no changes at this moment**)
- Phase 3
  - Combine the Common Signaling PHY specs into the coexistence and interoperability document
  - Discussion among all three PHY proposers

# Timeline

- Phase 1
  - Nov 23-Dec 4
    - Extensive email exchanges – coexistence and interoperability proposal (ongoing)
  - Dec 7-Dec 11
    - First teleconference (core working members) to discuss the proposal (done)
  - Dec 14-Dec 18
    - Second teleconference (core working members) to update the proposal (planned – Dec 15, 8am JST)
- Phase 2
  - Dec 14-Dec 18
    - Obtain Common Signaling PHY candidate from FSK proposers (ongoing)
    - Incorporate Common Signaling PHY specs to produce a full coexistence and interoperability proposal
- Phase 3
  - Dec 14-Dec 23
    - Third teleconference (anyone interested) – First presentation of full document (may be done separately for different PHY proposers)
  - Jan 4-Jan 8
    - Fourth teleconference (anyone interested) – Second presentation of updated full document
- Jan 11-Jan 15 – backup time

# Current Status

- Phase 1 in progress
- First teleconference completed
  - Teleconference minutes – 09/837
- Second teleconference planned
  - Dec 15, 8am JST
- Full proposal in preparation
- Following closely the discussion in the FSK camp to produce the mandatory common FSK PHY mode (a probable candidate for the Common Signaling PHY mode)

# Additional Notes

- Backup timeline
  - In the case where discussion among all three PHY proposers can not take place due to lacking of time
- Phase 3 will be carried out in the 2010 Jan Los Angeles Interim