

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

Submission Title: 802.15.4 2020 Cor1 Closing Report for July Meeting

Date Submitted: 22 July, 2021

Source: Kunal Shah Company – Itron Inc.

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Re: 802.15.4 2020 Cor1 Closing Report for July Plenary Meeting

Abstract: Closing Report for 802.15.4 2020 Cor1 meeting for July Plenary Meeting.

Purpose: Provide information which kind of changes are needed to the standard.

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IEEE 802.15.4 2020 Cor1 Closing report

July 22, 2021

Kunal Shah (Itron)
IEEE 802.15.4 2020 Cor1 Chair

802.15.4 2020 Cor1 Scope

Project:

This corrigendum addresses significant errors found in IEEE Std 802.15.4-2020 and its amendments.

Achievements

- ✓ 3 sessions held during this Interim
- ✓ Reviewed and resolved comments received on PAR from IEEE 802.3 and 802.11 WG
- ✓ Reviewed Preliminary draft
- ✓ Draft timeline discussed

Modified PAR

PAR

15-20-0270-04-Cor2-p802-15-4-2020-cor-1-par-
Update-detail

<https://development.standards.ieee.org/myproject-web/app#viewpar/12753/9245>

List of Proposals

1. SUN OFDM PHY PHR – doc#171rev0
2. SUN-OFDM PHR MCS ambiguity problem and the resolution – Doc#305rev2
3. 870 MHz Band Designator Issue – Doc# 330rev0
4. Resolution to OFDM PHY PHR – Doc#386rev0
5. Proposal for OFDM PHR Clarifications – Doc#393Rev0
6. Proposal for SUN FSK/OFDM Channel Plan – Doc#397rev0
7. Comparison of SUN OFDM PHR proposals– doc#29rev0
8. Correction of Mode Switch PHR Parity Formula– Doc#9rev0
9. Proposal for OFDM PHR Clarifications– Doc# 393rev0
10. Proposal for SUN FSK/OFDM Channel Plan – Doc#397rev0
11. Error in Clause 18.6 LRP UWB
12. Candidates for SUN-OFDM PHR of New Low Rates – Doc#37rev0
13. Clarification in clause 7.4 IEs
14. SUN OFDM PHR Consolidated proposal – Doc#158rev01
15. Enhanced Ack Timing Issue – Doc#107rev01
16. Padding issue in SUN-OFDM PHY – Doc#173rev0
17. 802.15.4z - HRP UWB PHY - HPRF mode preamble sequence cross-correlation properties – Doc#152rev0
18. Errors in SRM
19. 15.4y PICS - Doc#295rev01
20. Convolutional Interleaver Definition - Doc# 302rev00

TG Motion – Comment Response

Motion: Request that the responses to received PAR and CSD review comments contained in document 15-21-0378-03 be approved for submission to the WG for its approval. The 802.15 working group chair and technical editor are authorized to make additional modifications to the responses as needed.

Moved by: Chris Hett (L+G)

Seconded by: Takashi Kuramochi (Lapis)

Discussion:

Motion approved by unanimous consent

WG Motion – Comment Response

Motion: Request that the responses to received PAR review comments contained in document 15-21-0378-03 be approved for submission to the EC. The 802.15 working group chair and technical editor are authorized to make additional modifications to the responses as needed.

Moved by: Kunal Shah (Itron)

Seconded by:

Discussion:

Vote: [] unanimous consent

Tele Conference Call

August 18th – 3PM PDT

Sep 8th – 3 PM PDT

Plan for Sep Interim

- Hear additional proposals
- Prepare and review draft based on all the proposals heard
- Initiate working group Letter Ballot

Timeline

- TG formation Sep 2020
- Call for Proposals Oct 2020
- Presentation of Proposals Nov 2020
- Hear additional proposals Jan 2021
- Consolidate proposals and develop draft Mar 2021
- Updated PAR and hear proposals May 2021
- Resolve PAR comments and draft review July 2021
- Review draft and initiate LB Sep 2021
- LB comment resolution start recirculation Nov 2021
- Additional LB recirculation Dec 2021
- Start Standard Association ballot Jan 2022
- SA ballot comment resolution + 2 recirculations Mar 2022
- RevCom submission July 2022