**IEEE 802.15**

**Wireless Specialty Networks (WSN)**

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| Project | IEEE 802.15 802.1 Joint Collaboration | |
| Title | **IEEE 802.1 802.15 Joint Call (April 11, 2022) Minutes** | |
| Date Submitted | [19 April, 2022] | |
| Source | [Clint Powell] [] | Voice: [+1 480 586-8457] Fax: [--] E-mail: [cpowell@ieee.org] |
| Re: | [Minutes from 805.15 802.1 Joint Call] | |
| Abstract | [Call minutes] | |
| Purpose | [Overview of 802.15.13 draft, currently in Sponsor Ballot] | |
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**IEEE 802.1 802.15 Joint Call Minutes**

# Monday, 11 April 2022

**Opening**

**1:05 PM Eastern** 802.15 Chair, Clint Powell (Meta), called the meeting to order and introduced topic

**Minutes**

~20 participants were noted during the duration of the call – see last page for attendees list

**Reviewed P&P Reminders:**

802.15 Chair made a call for patent claims and potential patent claims was made – none were heard.

**Reviewed Agenda:**

802.15 Chair opened the call and introduced topic

**Presentations**

Presentation by Lennert:

Doc: # 15-55-0207-02-0013 @

<https://mentor.ieee.org/802.15/documents?is_dcn=207&is_year=2022>

**Comments**

Comment raised on slide 3 re: channelization, crosstalk and MIMO to be discussed offline.

**Topics Raised by 802.1 to Investigate**

Topic #1

Question raised w.r.t. supporting EtherType only, vs. Length/Type so that an LLC can be encoded re: bridging and routing protocols (e.g. spanning tree, IS-IS) using LLC encoding vs. newer protocols using EtherType encoding. May need to support both encodings vs. only the latter. Bridges may interconnect two 802.15.3 links.

Will look at changing the use of EtherType only to using a Length/Type field.  
Other changes may be needed as well, e.g. to carry multiple MSDUs in a frame.  
Ethernet frames should be carried transparently, 802.15.3 specifics being carried independently.

Topic #2

Question raised w.r.t. handling 802.15.4 multicast addresses, if assumed every address is treated as unicast. For inner addresses, suggestion to treat group addresses as broadcast rather than as unicast addresses.

Topic #3

TSN is a lot of tools - not all are required, many separate tools.

For 802.1: What minimal set of pieces is needed to be considered to be able to support 802.1 TSN capability? TSN augments 802.1Q bridging. TSN queuing mechanisms originally assume wired links. Wireless links imply new considerations. Time synchronization and multipathing may be useful to 802.15.13. Some TSN tools do not require time synchronization.

For 802.15.13: What capabilities of TSN are beneficial to 802.15.13? Answering this would help 802.1 participants answer the previous question.

Topic #4

What in 802.3 TDMA PON have already been addressed, that can be applied - i.e. a solution may already exist.

Overall Disposition: More discussion needed.

**Next Steps:**

802.15.13 will review the topics raised during the call and report on them in the May Joint Mtg.

**Next joint meeting:**

* Joint Mtg. on Wed., 11 May @ 11am Eastern

**Adjournment:**

802.15 Chair adjourned the call @ 2:10pm (Eastern)

**Attendees (from Webex):**

Benjamin Rolfe [BCA]

Clint Powell [Meta]

Dieter Proell [Siemens AG]

Eric Ackermann [Fraunhofer HHI]

Geoff Thompson [GraCaSI/Ind]

János Farkas [Ericsson]

Jessy Rouyer [Nokia]

Johannes Specht

Lennert Bober [Fraunhofer HHI]

Marcel Kiessling [Beckhoff Automation]

Max Riegel [Nokia]

Mick Seaman [Self]

Norman Finn [Huawei Technologies Co. Ltd]

Paul Congdon

Radhakrishna Canchi [Kyocera International Inc]

Ralf Assmann [Marvell]

Roger Marks [EthAirNet Associates]

Stephan Kehrer [Hirschmann]

Tero Kivinen [Self]

Tuncer Baykas [Kadir Has University]