IEEE P802.11
Wireless LANs

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Abstract

This document contains the meeting minutes of the TGak joint IEEE 802.11ak/802.1Qbz Group teleconference on 2013-06-03.

Teleconference from

05:00 pm EST to 05:52 pm June 3rd, 2013

Co-Chaired by Donald Eastlake (Huawei) and Norm Finn (Cisco).

Notes taken by Yan Zhuang.

Call for patents by Donald Eastlake: No response.

Donald Eastlake (Huawei) presented document **13-0526r1 “Sub-Setting”.**

Comments on the proposal:

Norman Finn (Cisco): A common way to handle VLANs today is to have a BSS/SSID for each VLAN. Then new STAs can join the new BSS that 11ak could use to send appropriately tagged packets. Of course, that doesn’t save any air time.

Philippe Klein (Broadcom): 11ak AP would needs to support 2 BSSs. One for 11ak STAs, and the other one for legacy STAs.

Norman Finn: This is a suggestion. So you can mix up the ak packets. The old STAs will not see the new stuff.

Norman Finn: This proposal is completely compatible with P2P [point-to-point] model. If you don’t understand the packet, you might throw it away. The two BSSID model is a simple way. What if some STA processes the MSDUs inside the aggregation? Might it not be confused by the “control block” you propose?

Donald Eastlake (Huawei): I don’t think non-11ak STAs will process the MSDUs inside the aggregation at all. But if they will, it is easy enough to disguise the control block so it more or less looks like an MSDU. In fact, an earlier version of this presentation that I didn’t upload had that.

Joseph Levy (InterDigital): Do all the MSDUs in this aggregation have to be the same priority?

Donald Eastlake (Huawei): The aggregated frame can be of MSDUs with the same priority, or different priority. 802.11n stations currently known how to aggregate, using whatever policies they have. Regarding the two BSSIDs solution, I guess that’s an okay way to do it and will further discuss it. Of course, the primary benefit of my proposal is that you don’t have to run a control protocol between the ak AP and non-AP STAs.

Norman Finn: 802.11 picked 802.2 frame format, rather Ethernet medium. If we want to relay a packet from non-11n packet to 11n packet, will 11n use Ethernet packet to aggregate?

Donald Eastlake: No, it’s still LLC frames inside the aggregated frame.

Comments on 802.1 Document review:

Norman Finn: The 1.0 draft of 802.1Qbz has been put in Task group ballot. I will forward Tony’s email to the 802.11ak reflector to explain how to access and comment on it. Others, we currently have a PAR open for revision of 802.1AC. The MAC convergence layer for 802.11 has been moved to Clause 12 of 802.1AC. If you think you want to put something in AC, then it is also notified to 11ak group for input to the process. The time window might be a few weeks. I think it will be closed on June 28th.

Philippe Klein will forward the information to Donald and then Donald will broadcast it through the reflector.

Comments on transmitting tags:

Norman Finn: the biggest question is how we tag packets for wireless medium. The Q-tag or the MACinMAC tag or others. Does every tag have to add 6 tags for SNAP? We will have to change LLC encapsulation to EtherType and vice verse. The discussion is explained in clauses 6.9.3.1, 6.9.3.2, and 6.9.3.3 of “802-1Qbz-d1-1.pdf”. That’s a quite a lot work. To bring 6-byte more tag or change the type.

Call was adjourned at 05:52.

**Attendees:**

Donald Eastlake (Huawei)

Norm Finn (Cisco)

Philippe Klein (Broadcom)

Bruce Kraemer (Marvell)

David Goodall (Broadcom)

Jeremy Touve

Mark Gravel (HP)

Joseph Levy (InterDigital)

Mitsuru Iwaoka (Yokogawa Electric Co.)

Sai Shankar (Adeptence)

Yan Zhuang (Huawei)