IEEE P802.11
Wireless LANs

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| 11ak Telecon Minutes 20130909 |
| Date: 2013-09-09 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Yan Zhuang | Huawei Technologies | 101 Software Avenue Yuhua District, Nanjing 210012, P.R.China |  | Zhuangyan.zhuang@huawei.com |
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Abstract

This document contains the meeting minutes of the IEEE 802.11ak TGak Group teleconference on 2013-09-09.

Teleconference from 05:00 pm EST to 06:00 pm EST

September 9, 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 called to order

Philippe Klein (Broadcom) presented document **13-0995r0 “802.1AS Synchronization Services for 802.11ak Links”.**

The presentation is to show that 802.11 link is different from the Ethernet link. It appears that synch message propagation is delay by one synch\_interval for each 802.11ak hop. Could be a problem unless you make the protocol more chatty or change the 802.1AS MD state machine. However, we’re not finalizing which parameters should be modified, it still need more discussion.

**Questions on slide 7**: What’s the number of the sync\_interval?

**Answer**: The 802.1AS numbers can be discussed later and we can do some simulation and disucss these.

**Comments on slide 9**: Fine timing measurement is still a draft in 802.11, so it should be careful to add it in 802.1AS. Acutally, it’s the same protocol, there is nothing to be added.

**Answer**: If you only support the fine timing measurement, because it is not defined in 802.1AS, it’s not 802.1AS capable.

**Conclusion**: We will take numbers from 802.1AS and to see whether we should maintain them in 802.11ak link or modify them.

Norman’s Questions from 802.1 interim meeting in York:

1. 802.1Qbz has passed task group letter ballot and is waiting for WG letter ballot. Current version is draft 1.3.
2. We also have text for 802.1AC(802.1AC rev. d0.1) to describe how to support ISS for 802.11. 802.3 MAC uses mapping parameters in ISS to 802.3 PHY. However, it seems that 802.11 has different way to have the mapping parameters.

**Answer**: Perhaps that should be changed. This would be good to discuss it in 802.11ARC group next week.

**Follow-up**: Yes, will prepare some texts for that.

1. Quesitons in the figure G-2 of 802.1Qbz d1.3:

The non-AP STA and AP seem the same in this figure, with only difference on the number of ports and controlled/uncontrolled. If so, it seems that they have the same function and action in the “802.1AC TBD non-AP station convergence” and “802.1AC Clause TBD 802.11 Infrastructure convergence”

1. De we want two controlled and uncontrolled ports for the upper layer? Or just one port with parameters for the upper layer? The current 802.11 text seems to favour two ports.

Any other business? None bought up.

Adjourn.

**Attendees:**

Donald Eastlake (Huawei)

Norman Finn (Cisco)

Philippe Klein (Broadcom)

David Goodall (Broadcom)

Ed Reuss

Jeremy Touve

Joseph Levy (InterDigitial)

Mark Gravel (HP)

Ganesh Venkatesan (Intel)

Yan Zhuang (Huawei)