IEEE P802.11
Wireless LANs

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Abstract

This document contains the meeting minutes of the IEEE 802.11ak TGak Group teleconference on 2014-02-24.

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

February 24, 2014

Co-Chaired by Norman Finn (Cisco), Donald Eastlake (Huawei)

Notes taken by Yan Zhuang (Huawei), 802.11ak Secretary.

Call for patents by Norman Finn: No response.

Norman Finn called to order

Donald Eastlake asked if anyone else had anything to present. There was no response.

**1. Donald Eastlake (Huawei) presented 11-14/0004r5 document “Some 11ak EtherType Frame Encoding Text”**

This document is based on 802.11REVmc Draft D2.4. It is intended as input to a 802.11ak draft and points out related sections that should be modified or added by the 802.11ak group. This version is revised based on previous discussions and suggestions in Los Angeles meeting.

*Comments on section “4.5”:*

Association/disassociation description should be discussed with the wired side involved into the WLAN area, which is a bit different from 802.11 STAs. In effect, association/disassociation correspond to enabling/disabling a port.

*Comments on “4.6 Multiple logical address spaces”:*

Assumption: bridges are a way to implement DS. We should keep the concept of DS and bridge separately. These two concepts are completely different and independently.

Not sure whether the address spaces should carry the VLAN information. Since GLK is to transmit 802.1Q frames, it should be better to support VLAN.

There should add VLAN description in section 4.3.21.

*Comments on “4.3”:*

Concerns: In this section, there should be descript of architecture of GLK. Does the architecture have a DS or it’s a different kind of DS? Which means does our architecture include DS or it’s DS independently?

Opinion1: as per figure 4-6 in 802.11-2012, you could replace the bridge with portal. The bridge is a subset or super set of DS.

Opinion2: we are not defined a bridged LAN, but a bridge in AK. That means, we are not doing anything to replace DS. The bridge LAN is 802.1’s scope.

Opinion3: Philipe is drawing the picture and we’d have plenty of time to discuss it.

Agreement: there should be diagrams of GLK architecture in this section, which would be discussed further.

*Comments on “5.1 Overview of MAC services”*

Concerns1: 802.1D is working one way, while 802.1Q is working another way, while legacy STAs follows 802.1D that is what the existing 802.11 standard does but GLK STAs should support 802.1Q. Hence, we’d have to separately handle priorities in two ways. Please refer to table 9-1 in session 9.2.4.2, the comparism of the legacy STA priority and GLK priority.

Opinion1: the priority handling in 802.1D and 802.1Q is configurable. The table is just an example that they can used. But the priority is flexible. This is not normative and it’s up to the different traffic and network requirements.

Opinion2: As for the 3 bit priority, in a network, it might have the priority bits with some meaning, which will be different from another network.

Concerns2: How do you map 802.1Q priority to access control?

Opinion1: In 802.1Q, there exists priority code mapped into access code, which is from user priority to access priority. There should be how a mapping from priority to access classes. However, this is a 802.1Q suggestion to how to work in mapping, but it still has the chance for network provider to change it.

Opinion2: The related 802.1Q concept is the service access priority. Although it is for the physical port in 802.1, but it should also include the logical port. We’ll define interfaces of priority to access classes between 802.1Qbz and 802.11ak.

Opinion3: actually, the table is basically what the legacy priority mapping on STAs while the content below is for GLK’s devices’ suggested mapping.

Concerns: The question here is whether this is editable? If it’s no, then perhaps we should consider it now.

Any other Business? None.

Adjourn at 6:05am.

**Attendees:**

Donald Easklake (Huawei)

Mark Hamilton (Spectralink)

Mark Gravel (HP)

Mitsuru Iwaoka (Yokogawa Electric Co.)

Norman Finn (Cisco)

Pat Thaler (Broadcom)

Douglas Chan

Yan Zhuang (Huawei)