IEEE P802.11
Wireless LANs

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| TGax Spatial Reuse ad hoc group meeting minutes – Warsaw, September 2016 |
| Date: 2016-09-12 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Jae Seung Lee | ETRI | 161 Gajeong-dong,Yuseong-gu, Daejeon, Korea | +82 42 860 1326 | jasonlee@etri.re.kr  |

Abstract

This document contains the minutes of the September 2016 meeting of the IEEE 802.11ax Spatial Reuse ad hoc group held in Warsaw.

**EVE - Monday 19:30 September 12, 2016 – Interim Meeting**

EVE session was chaired by Laurent (Intel).

Chair called the meeting to order at 19:30.

Chair reminded everyone to record their attendance.

Chair informed the group about IEEE patent policy.

Chair called for potentially essential patent claims. There was no response from the audience.

Chair went through the agenda.

Chair reviewed the agenda (11-16/1245), and asked if there is any comment on the agenda or any new presentation that has to be added to the agenda. None noted.

**16/1223r2, CR for Section 25.9.2 OBSS\_PD Spatial reuse**

Presented by Laurent (Intel)

Laurent presented document 16/1223r2 at 19:34.

Guido acted as deputy during Laurent’s presentation.

Brian: As soon as you get any kind of preamble detected, at any power level at all, you should wait until you decode the PLCP header. That’s quite a long time.

Laurent: Maybe we need to clarify it. When you receive a PPDU, basically still the legacy CCA rule applies.

Brian: We would better spend a little more time to review it.

Laurent: We are just describing the specific case.

Brian: That language is anti-causal. I receive a PPDU, but I have no idea what it is interpreted into.

Laurent: We just mentioned inter-BSS because that is the only thing that changes.

Brian: I will write it differently.

Alfred: In the note, “the STA should update its regular NAV”. That should be ‘should reset’, right?

Laurent: Yes.

Alfred: You should refer ‘per antenna’.

Sean: Did you consider the possibility of having the rectangular curve go down below than what we have?

Laurent: We did not consider it.

Sean: What happens for a legacy packet?

Laurent: That is described in other section on how to classify intra-BSS and inter-BSS frame.

There was a discussion on the antenna connector.

Chair suggested that the presenter should rewrite some text with Brian and revisit the document.

Laurent agreed.

Laurent started to chair the meeting again.

**16/1178r0, Comment Resolution for SR - RSSI**

Presented by Young Hoon (Newracom)

Young Hoon presented document 16/1178r0 at 20:03.

Guido acted as deputy again during Laurent’s absence for preparing the revised document.

There was no question on the presentation.

Young Hoon asked the following straw poll at 20:10

**Straw Poll R20160912001**

* **Do you agree to modify the draft as presented in document 11-16/1178r0 resolving CIDs 2664 and 2744?**
* Approved by unanimous consent

**16/1155r0, SR Comment Resolution for CID994**

Kaiying has deferred the presentation at 20:11

**16/0945r2, Clarifications for OBSS\_PD-based SR parameters & 16/0947r5, Proposed Text Changes for OBSS\_PD-based SR parameters**

Presented by Matt (Broadcom)

Matt presented document 16/0947r5 at 20:13.

George: I can have a uniform network with multiple ESSs. Between inter-ESS boundary, there would be overlapping of the color code across ESSs.

George: We need to think about it more on this concept of ESSs.

Matt: An ESS with multiple BSSs inside of it may or may not be a managed ESS. If it is not, I don’t have to include this element.

Matt: If BSSs are coordinated, the element does not look at the ESS ID value. It just looks at the Color. So long as I have the list correct, then I can be coordinated.

Matt: This is going to work because the PPDUs within your own BSS have a higher SINR than the PPDUs coming from the OBSS.

George: We have an issue on inter-ESS boundary. What we need is more time to digest it.

Matt: You can allocate colors in your own system. I can’t imagine all 64 colors are used in your ESS.

George: I think that it is not the same thing.

Alfred: A lot of duplicated text with Laurent’s presentation.

Matt: It’s modifying the document.

Alfred: How does the editor handle it?

Matt: Just do them in order.

Discussion on the straw poll:

George: I think that the text is not ready for straw poll and motion. We need more time to improve the document.

Matt: This is a straw poll to adopt the document. In the worst case you mentioned, I am not sure that you have the issue.

Matt: I’d like to run the straw poll now.

**Straw Poll R20160912002**

* **Do you agree to adopt the modifications as proposed in submission 11-16/947r5?**

Y: 19 N:6 A:12 🡪 Straw Poll passes

**16/1064, Unified SR approach DSC, ATPC and Inter-BSS**

Not presented due to Graham’s absence

**16/1161r0, Simulation-based evaluation of OBSS\_PD-based SR default parameters**

Presented by Tanguy (NIST)

Tanguy presented document 16/1161r0 at 20:58.

Guido acted as deputy again.

Guido requested Tanguy to upload the revised version of the presentation to the mentor. Tanguy agreed.

**16/1216, SR Field SRP Table for HE-Trigger-Based PPDU**

James mentioned that this presentation has been moved to PHY ad hoc at 21:12.

Not presented in SR ad hoc.

**16/1223r2, CR for Section 25.9.2 OBSS\_PD Spatial reuse (Revisit)**

Presented by Laurent (Intel)

Laurent revisited document 16/1223r2 with Brian at 21:13.

Brian presented the modified document.

Guido acted as deputy again.

**Straw Poll #1**

* **Do you agree with the comment resolutions in document 1223r2 for CIDs 2386, 1232, 63, 463, 2663, 67, 641, 2913, 65, 462, 2742, 2743, 777, 255, 2665, 449, 2719, 68, 706, 1018, 2723, 1017, 1582, 2667**

Due to lack of time, straw poll for this document was deferred to Wednesday AM1 TG session.

(Straw Poll for the revised document 1223r6 has been approved with unanimous consent during Wednesday AM1 TG session)

Chair adjourned the meeting of the TGax SR ad hoc at 9:29.