IEEE P802.11
Wireless LANs

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| Spatial Reuse ad hoc group March 2017 minutes |
| Date: 2017-03-15 |
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Abstract

This document contains the meeting minutes of the IEEE 802.11ax ad hoc group on spatial reuse (SR) that met on 2017-03-14 during the IEEE 802 Plenary meeting in Vancouver, Canada.

At 2017-03-14T19:30 Guido Hiertz, the beloved Chairman of the 802.11ax Spatial Reuse (SR) ad hoc group, calls the meeting to order.

The Chairman reminds all attendees to record attendance for this session. The Chairman reviews the IEEE IPR patent policy. The Chairman calls for potentially essential patent claims. There is no response to his question. The Chairman reminds all attendees to identify themselves and their affiliations each time they speak for the first time on a meeting day.

The Chairman reviews the agenda for this week’s IEEE 802.11ax Spatial Reuse ad hoc group meeting sessions. The agenda is contained in 11-17/482r0. Laurent Cariou asks to start with doc 458r1 and doc 268r3. Nobody appeals to this change. Afterwards, the agenda is approved by unanimous consent. The Chairman announces that he will upload a revised version of the agenda.

Sean Coffey presents 11-17/482r0.

COMMENT: Slide 6, you can have the same situation today with current CCA rules.

RESPONSE: True, but OBSSPD can increase the probability of being in such situation.

COMMENT: How do you set the bit in SIG-A?

RESPONSE: take a bit from SR field

COMMENT: RTS/CTS is usually resolving hidden nodes problem, so it may be sufficient. That said, the proposal is quite well balanced as it preserves the incentive to do NON SRG OBSS\_PD SR.

Straw Poll (Informational):

* “Do you agree to modify the OBSS\_PD mechanism to allow for victim AP transmitters to disable use by other devices of non-SRG OBSS\_PD for the frame in progress, according to the approach described on slide 18 of this document?”

Straw Poll result: Yes/No/Abstain: 20/9/43

Laurent Cariou presents 11-17/455r0 and 11-17/267r3.

 COMMENT: would like that it is possible to end OBSS\_PD SR power restriction period at the end of OBSS TxOP because it will no longer cause interference

 RESPONSE: this is true, but this is simpler to implement and it allows STAs to converge towards a relatively static TxPower and OBSSPDlevel. We’ll do a SP on this.

 COMMENT: need to clarify OBSSPD SR disallow

 RESPONSE: will revise

COMMENT: need to clarify that the regulatory power restrictions still apply

RESPONSE: will add a note

Graham Smith presents 11-17/163r3 and 11-16/1063r10.

COMMENT: Please change the SP to better reflect the correct OBSS\_PD naming

COMMENT: There were prior presentation with DSC and power control showing bad results with this

RESPONSE: This is about setting the parameters

COMMENT: I don’t think the spec proposal is mature enough

Straw Poll:

Do you agree that:

1. DSC procedures may be used to set the OBSS\_PD, NON SRG PD, and SRG PD ?

and

1. DSC procedures shall only be used by an HE STA to set OBSS\_PD, NON SRG PD, and SRG PD levels, but an HE STA may set PD levels using non-DSC procedures.

Y: 16 /N: 20 /A: 22

Meeting adjourned for the week