IEEE P802.11
Wireless LANs

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| Minutes of the November 2020 meeting of the Coexistence Standing Committee |
| Date: 2020-11-27 |
| Author(s): |
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Abstract

This document contains the minutes of the November 2020 meeting of the IEEE 802.11 Coexistence Standing Committee.

Location: Electronic meeting

At 2020-11-04T22:03+01:00 the chair calls the meeting of the IEEE 802.11 Coexistence Standing Committee (SC) to order. Andrew Myles acts as chair of the SC. Guido R. Hiertz acts as secretary of the SC. The chair presents 11-20/1620r4. At this time, this document is equivalent to 11-20/1620r3 and will contain any changes that may arise from this meeting.

At 2020-11-04T22:04+01:00 the chair presents slides four to nine of 11-20/1620r4 and reminds everyone to apply the rules set out on these slides.

At 2020-11-04T22:06+01:00 the chair presents the proposed agenda contained on slide 11 of 11-20/1620r4. There are no comments on the proposed agenda. At 2020-11-04T22:07+01:00 the chair presents slide 13 of his document.

At 2020-11-04T22:09+01:00 the chair presents the following motion:

“Motion
The IEEE 802 Coex SC approves 11-20-1507-00 as the minutes of its virtual meeting in September 2020”

The chair asks to approve this motion by unanimous consent. Nobody objects.

The chair continues presenting from page 17 of his document.

At 2020-11-04T22:16+01:00 participants discuss page 22.

Comment: Do you have any data for outside US?

Comment: No

Comment: Do we know how many devices roam in downtown?

Comment: We don’t know. They didn’t seem to be many because not many are supporting LAA now.

Comment: During the study, the authors were the only ones using LAA in this area.

Comment: When the superbowl happens LAA will be used a lot.

At 2020-11-04T22:19+01:00 the chair continues from page 24. At 2020-11-04T22:20+01:00 Mark Hamilton presents 11-20/1755r0.

At 2020-11-04T22:26+01:00 attendees discuss the presentation.

Comment: On slide 5, there is a narrowband PSD limit. Does IEEE 802.11ax count as narrowband technology or not?

Comment: You still have the same power limit per MHz.

Comment: New narroband FH systems get 10 dBm/MHz with at least 15 hops. Narrowband is defined as a bandwidth less than 20 MHz.

At 2020-11-04T22:30+01:00 the chair continues presenting his document 11-20/1620r4 from slide 26.

Comment: Does anyone have a concern about narrowband FH to interfere with Wi-Fi?

Comment: I struggle with the word threat but I believe there might be coexistence challenges.

Comment: The rules in the US don’t have any narrow band limits. There are is just a maximum limit defined. We need to understand the coexistence issues.

Comment: ECC liaison letters to ETSI have been approved. See the final minutes.

At 2020-11-04T22:37+01:00 the chair’s presentation continues from page 28. At 2020-11-04T22:41+01:00 attendees discuss page 29 of 11-20/1620r4.

Comment: What is 3GPP thinking about power in 6 GHz? Have they thought about AFC?

Comment: Have a look at the plans of Verizon.

Comment: French regulator had very high power in mind when talking about NR-U in 6 GHz. In the US, 42 dBm on record for NR-U.

At 2020-11-04T22:47+01:00 the presentation continues from page 31 of 11-20/1620r4.

At 2020-11-04T22:51+01:00 attendees comment.

Comment: Going to −72 dBm might bleed back into 5 GHz.

Comment: 5 GHz is another story because there are legacy products.

Comment: It has happened in 6 GHz. Therefore, people might do the same thing in 5 GHz. Your note is a barrier that this won’t happen.

At 2020-11-04T22:54+01:00 the chair’s presentation continues from page 34.

Comment: All studies ignore residential use cases. How is this going to affect Wi-Fi if most Wi-Fi is used at home? We have no studies of working at home. We cannot use the studies of the past.

At 2020-11-04T22:59+01:00 the presentation continues from page 35.

Comment: This issue is not about testing. The ambiguity leads to a risk of collisions. Devices have nothing than these timings to avoid running into each other.

Comment: FCC KDB will show testing procedures for contention-based protocols related to 320 MHz. As the ED increases—because there is 3 dB increase per bandwidth doubling—studies are needed. We have no studies if 320 MHz transmission knock off 20 MHz transmissions.

At 2020-11-04T23:10+01:00, the chair continues from page 40. At 2020-11-04T23:31+01:00, attendees discuss page 50.

Comment: The IEEE 802.11 WG keeps copies of all ETSI BRAN documents in the members area.

Comment: I believe there is still discussion of a device being capable of IEEE 802.11be or actually using IEEE 802.11be for transmissions.

At 2020-11-04T23:42+01:00 chair adjournes the meeting.