
**IEEE P802.19
Wireless Coexistence**

Project	IEEE P802.19 Wireless Coexistence WG		
Title	July 2018 Sub 1 GHz Interest Group Minutes		
Date Submitted	July 15, 2018		
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Re:	[Sub 1 GHz Interest Group meeting]		
Abstract	[Meeting Minutes]		
Purpose	[]		
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Tuesday July 10 2018 PM1

1. IG chair called the meeting to order at 13:30. Chair and recording secretary present.
2. IG Chair reminds the group that they are bound by the IEEE meeting requirements and IPR policy as given in the IEEE 802 Participation slides presented by the WG chair at the WG opening.
3. Review and approve meeting agenda (doc# 19-18-0044r2);
 - a. Add presentation doc# 19-18-0053r0 to the agenda
 - b. Add presentation doc# 19-18-0055r0 to the agenda
4. Upon neither discussion nor objection, agenda approved by unanimous consent.
5. Present opening document (doc# 19-18-0054r0)
 - a. IG history
 - b. IG objective
 - c. Meeting objective
6. Review and approve May meeting minutes (doc# 19-18-0037r1)
7. S1G coexistence simulation parameter review (1) (doc# 19-18-0039r0)
 - a. Discussed 802.11ah CCA time, which is less than 40us in the standard. This is a template, specific value will be specified for specific use case. 128us is corresponding to Japan Regulatory.
 - b. Discussed 802.11ah PHY data rate, which is selected as 300 kb/s. This is a template, specific value will be specified for specific use case.
 - c. 802.11ah parameters are fixed, should make note that 802.15.4g parameters are preamble dependable.
 - d. Should describe backoff parameters. Will work on.
8. Present and discuss S1G coexistence simulation update (doc# 19-18-0056r0)
 - a. Discussed packet latency results
 - b. Discussed difference between 802.11ah backoff and 802.15.4g backoff
 - c. Discussed 802.11ah backoff parameters. It was commented that 802.11ah backoff parameters can be set by upper layer.
9. Present and discuss 920MHz status in Japan (doc# 19-18-0053r0)
 - a. In Japan only 100kHz and 200kHz channel are allowed, why choose 400kHz channel in simulation? Should consider 200kHz channel in simulation.
10. Present and discuss S1G coexistence simulation models (doc# 19-18-0055r0)
 - a. Discuss source of 802.11ah NS3 implementation: see link <https://github.com/MOSAIC-UA/802.11ah-ns3>
 - b. Discussed availability of simulation results
11. Present and discuss S1G use case framework (doc# 19-18-0060r0)
 - a. Discussed limitations of 802.15.4g and advantages of 802.11ah
 - b. Discussed what existing support ecosystem is
 - c. Discussed appropriate 802.11ah PHY data rate for general use cases. Should be less than 1mb/s for general use cases.
 - d. Discussed the endorsement of 802.11ah
12. Recess @ 15:30

Thursday 12 July 2018 PM1

1. Meeting called to order @ 13:30
2. Opening reminders
3. Review meeting agenda (doc# 19-18-0044r3)
4. S1G coexistence simulation parameter review (2) (doc# 19-18-0039r0)
 - a. There were suggestions for other regions such as India and Europe. But we start with Japan, where spectrum is severely limited.
 - b. Should describe terminologies AP/STA and PANC/node. 128us CCA time is for Japan. Specific value will be specified for specific use case.
 - c. Describe parameters on slide 5, terminology and functionality
 - d. Different backoff parameters will be specified based on use cases.
5. Use case discussion
 - a. Collecting inputs on 802.11ah use cases
6. Next step discussion
 - a. Ben had some offline discussions after Tuesday's meeting
7. Present and discuss S1G coexistence IG closing report (doc# 19-18-0064r0)
 - a. IG objective: make a recommendation to 802 and Japan regulatory
 - b. Discuss motion to form S1G coexistence study group in September
 - c. 802.19 WG chair will talk to 802 EC about motion
 - d. Discussed possibility to include 6GHz coexistence
 - e. Discussed TV white space in S1G band
8. Motion
 - a. Moved by Jianlin Guo and
 - b. Seconded by Clint Powell
 - c. Motion vote results: yes: 8; opposed: 0; abstain: 1
9. Next teleconference
 - a. August 1, 4pm pacific time, 7pm eastern time and 8am Japan time (August 2).
10. Any other business: no
11. Adjourn @ 15:30