**IEEE P802.19**

**Wireless Coexistence**

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| Project | IEEE P802.19 Wireless Coexistence WG | |
| Title | **September 2018 Sub 1 GHz Interest Group Minutes** | |
| Date Submitted | September 14, 2018 | |
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| Re: | [Sub 1 GHz Study Group meeting] | |
| Abstract | [Meeting Minutes] | |
| Purpose | [] | |
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S1G Coexistence SG Meeting Minutes

Project: IEEE 802.19 Wireless Coexistence WG

S1G Coexistence SG Chair: Ben Rolfe (BCA/MERL)

Recorded by Jianlin Guo (MERL)

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# Session 1: Monday September 10 PM1

1. Chair called meeting to order
2. Reviewed and approved meeting agenda (doc# 19-18-0066r0)
   1. Added simulation model update (doc# 19-18-0071r0) to the agenda for Tuesday PM1 session
   2. Approved agenda
3. Chair presented opening document (doc# 19-18-0069r1)
   1. Coexistence study history and SG formation
   2. SG objective
   3. Meeting objective
   4. IEEE Meeting and IPR slides presented (<https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf>)
      1. The chair calls for disclosures and none are heard
4. Reviewed and approved July meeting minutes (doc# 19-18-0061r0)
5. Jianlin Guo presented S1G coexistence simulation parameter update (doc# 19-18-0039r1)
6. Jianlin Guo presented S1G coexistence simulation update (doc# 19-18-0056r1)
   1. Discussed workload cap, simulation workload is well below the allowed cap
   2. Discussed improving 802.15.4g coexistence by looking for the weakness of 802.11ah network instead of changing the parameters.
7. Reviewed, edited and discussed S1GH PAR (1) (doc# 19-18-0070r0)
   1. Chair introduced three types of IEEE 802 standards, recommended practice is about how to use the standards instead of amend the standards.
   2. Edited scope
   3. Edited purpose
   4. Edited the need of the project
   5. SG chair and WG chair discussed title (the shorter the better), the purpose clause is not necessary (the need of the project is enough), schedule is too tight (rather have a loose schedule finishing early instead of tight schedule under achieving)
8. Recess

# Session 2: Tuesday September 11 PM1

1. Chair called meeting to order
2. Reviewed and approved meeting agenda (doc# 19-18-0066r1)
   1. Modified the agenda by switching the order of simulation model update and PAR CSD discussion
   2. Approved agenda
3. Reviewed, edited and discussed S1GH PAR (2) (doc# 19-18-0070r1)
   1. Updated the document based on SG chair and WG chair discussion, title “coexistence methods for Sub-1 GHz bands”, deleted purpose clause
   2. Edited and discussed the stake holders
   3. Reviewed the schedule
   4. The session agreed the PAR content for submission to the EC. SG chair and WG chair will finalize the submission by Thursday September 13.
4. Chair created the CSD document (doc# 19-18-0072r0)
   1. Created the initial CSD document
   2. SG chair uploaded the document onto server
   3. SG asked everyone to review the document for Thursday’s discussion
5. Takenori Sumi presented S1G coexistence simulation model update (doc# 19-18-0072r0)
   1. Does new version of NS3 have any update on 802.15.4g? (No)
   2. Discussed the noise of the simulation model
   3. Discussed updates made for 802.11ah model
   4. Discussed TX info in the simulation model
6. Recess

# Session 3: Thursday September 13 AM2

1. Chair called meeting to order
2. Reviewed and approved meeting agenda (doc# 19-18-0066r1)
   1. Added presentation on overview of 802.15.4s (doc# 19-18-0074/r0)
   2. Approved agenda
3. Chair made brief recap on Monday and Tuesday sessions
4. S1GH PAR discussion (doc# 19-18-0073r1)
   1. Edited the PAR
   2. Approved PAR
5. CSD discussion (doc# 19-18-0072r0)
   1. Edited CSD
   2. Approved CSD
6. Motion review and approval
   1. No change made on SG motion
   2. Voting result: Yes:8, No:0, Abs:4
   3. Edited WG motion by updating new version of PAR and CSD
   4. SG approved the WG motion
   5. Chair explained the procedure of PAR and CSD approval
7. Reviewed and approved schedule
   1. SG approved the schedule
8. Shoichi Kitazawa presented overview of 802.15.4s (doc# 19-18-0074/r0)
   1. Discussed networked topology
   2. Discussed network manager
9. Next step discussion
   1. SG agreed three teleconferences on October 3, October 17 and November 7
   2. No other business
10. Adjourn