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**IEEE P802.19**  
**Wireless Coexistence**

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Project	IEEE P802.19 Wireless Coexistence WG		
Title	<b>May 2018 Sub 1 GHz Interest Group Minutes</b>		
Date Submitted	May 15, 2018		
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Re:	[Sub 1 GHz Interest Group meeting]		
Abstract	[Meeting Minutes]		
Purpose	[]		
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## Tuesday May 8, 2018, AM2

IG chair called the meeting to order at 10:33 AM. Chair and recording secretary present. 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.

Chair reviewed the agenda, document 802.19-18/0025r0.  
Upon neither discussion nor objection, agenda approved by unanimous consent.

Chair Presents goals/objectives, document 802.19-18/0029r0.

Presentation of doc 802.19-18/0027r0, simulation updates.

Discussion:

- Noted that the updated results show that there are potential improvements to 802.11 performance possible through improved coexistence.
- More discussion on additional simulation parameters and metrics tomorrow, AM2.

Presentation of doc 802.19-18/0028r0, 802.15.4 ideas for improved coexistence.

The IG recessed at 12:28 PM.

## Wednesday, May 9, 2018, AM1

Chair called meeting to order at 08:04 AM.

Chair summarizes and reviews the meeting presentations yesterday.

Chair review the meeting objectives.

Jainlin (MERL) leads a discussion on simulation parameters.

Steve suggests: Capture parameters in a table format (word doc, excel, etc OK), Circulate to WG11 and WG15 requesting review suggestions. Action: Steve agrees to prepare a proposed table format to get started.

Specific suggestions discussed:

- Simulations when 11ah is using PD instead of ED.
- There may be an opportunity for influence new spectrum allocations; if 802 can provide concrete recommendations and a solid consolidated front we could get favorable spectrum allocations in the future.
- Change sensitivity for 802.11ah to -98dBm for 1MHz channel
- Compare with 802.11ah using 300 kbps data rate also.
- Add scenarios with downlink dominated traffic flow and peer to peer traffic flow
- Add scenario with 802.11ah network with fewer STAs and 4g with up to 1000 STAs
- Add simulation output showing the medium utilization (fullness of the air)

Conference call times:

It is agreed to have an interim teleconference, maybe two. The suggested time is to have it on a Wednesday morning. Chair 10:00 am Pacific Time (USA) May 30 suggested for first call. Chair will broadcast to WG lists that we'll be announcing further meetings and discussions on the 19 list so interested people should subscribe.

IG Adjourned at 09:55 AM.