**IEEE P802.19**

**Wireless Coexistence**

|  |  |
| --- | --- |
| Project | IEEE P802.19 Wireless Coexistence WG |
| Title | **Contribution for Comment Resolution, Clause 9** |
| Date Submitted | March 25, 2020 |
| Source | Benjamin A. RolfeBlind Creek AssociatesP.O. Box 798 Los Gatos, CA, USA 95031 | Voice: (408) 395 7207 E-mail: ben.rolfe @ ieee.org |
| Re: | Initial Working Group Ballot Comment resolution  |
| Abstract | Text and tables to support proposed resolutions to ballot comments.  |
| Purpose | [Resolve comments] |
| Notice | This document has been prepared to assist the IEEE P802.19. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. |
| Release | The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by IEEE P802.19. |

# Introduction

This document contains proposed changes to address comments received on the initial ballot. Text shown as intense emphasis is intended to assist the editor and not part of the proposed change or addition.

# Comment Index # 20: Summary Table

 Table for subclause 9.2.3.1 Introduction to be placed as the editor decides.

|  |  |  |
| --- | --- | --- |
| **Method** | **Recommendation** | **Reference**  |
| Cooperated channel switching | When a channel with less interference is available. | 9.2.3.2  |
| Cooperated RAW | With a beacon enabled 802.15.4 network when load information of both 802.11 network and 802.15.4 network is available.  | 9.2.3.3 |
| Cooperated 802.11ah beamforming | When relative position of nodes is known or predictable and not aligned closely in space.  | 9.2.3.4 |
| Cooperated transmission power setting | With received signal condition information is available per link and link adaptation capability is available in devices and link information can be shared between transmitter and receiver. | 9.2.3.5 |

# Comment Index # 23 Summary Tables

Table for 9.7.1 Small network size, high 802.11ah offered load, low 802.15.4g offered load

Table x+1: Parameters Impact Summary

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Effect on 802.11ah** | **Effect on 802.15.4g** |
|  | **Delivery Rate** | **Latency** | **Delivery Rate** | **Latency** |
| 802.11ah backoff contention window size | None | Moderate | Small | Small |
| 802.15.4g backoff parameters  | None | Small | Significant | Significant |

Table for 9.7.2 Small network size, low 802.11ah offered load, high 802.15.4g offered load

Table x+2: Parameters Impact Summary

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Effect on 802.11ah** | **Effect on 802.15.4g** |
|  | **Delivery Rate** | **Latency** | **Delivery Rate** | **Latency** |
| 802.11ah backoff contention window size | None | Moderate | Small | None |
| 802.15.4g backoff parameters  | None | Small | Significant | Significant |

Table for 9.7.3 Large network size, high 802.11ah offered load, low 802.15.4g offered load 18

Table x+3: Parameters Impact Summary

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Effect on 802.11ah** | **Effect on 802.15.4g** |
|  | **Delivery Rate** | **Latency** | **Delivery Rate** | **Latency** |
| 802.11ah backoff contention window size | Small | Significant | Small | None |
| 802.15.4g backoff parameters  | Small  | Significant | Significant | Significant |

Table for 9.7.4 Large network size, low 802.11ah offered load, high 802.15.4g offered load

Table x+3: Parameters Impact Summary

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Effect on 802.11ah** | **Effect on 802.15.4g** |
|  | **Delivery Rate** | **Latency** | **Delivery Rate** | **Latency** |
| 802.11ah backoff contention window size | Small | Significant | Small | Small |
| 802.15.4g backoff parameters  | Small  | Significant | Significant | Significant |