IEEE P802.11  
Wireless LANs

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| Resolution to CID 1355, 1597 and 1955 | | | | |
| Date: 2018-05-07 | | | | |
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Abstract

This submission proposes resolutions to the following CIDs:

1355, 1597, 1955.

The CIDs are in reference to Draft IEEE P802.11ay/D1.0. The resolutions are in reference to Draft IEEE P802.11ay/D1.1.

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| CID | Clause | Comment | Proposed change |
| 1355 | 10.38.9.3.1 | "An asymmetric link is present when a STA is able to receive frames from the peer STA, but its frame transmissions are not received by the peer STA due to a difference in link budget between the uplink and downlink between the STAs. The difference in the number of antenna elements between a pair of STAs may cause an asymmetric link if a quasi-omni antenna configuration is used by one of the STAs when attempting communication with the peer STA." - The terminology is poor and confusing. The problem of asymmetric links starts with the quasi-omni pattern, not with stations not being able to each other transmission | a submission will be provided |

**Proposed resolution:** Revised.

*Replace the first paragraph of 10.39.9.3.1 as follows:*

An asymmetric link is present between a pair of STAs when in one STA the difference between maximum gain RX antenna setting and quasi-omni RX antenna setting is higher than 15dB, while the for other STA this difference is at most 15dB.

Note:

1. 15dB is the sensitivity difference between control mode PHY and SC mode data PHY with a PHY rate greater than 1Gbps.
2. When the difference between full gain RX antenna setting and quasi-omni RX antenna setting is higher than 15dB,  A STA may be able to receive packets at full gain mode in SC data at a range higher than in quasi-antenna RX setting in control mode PHY with the same antenna setting at the transmitting STA.

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| CID | Clause | Comment | Proposed change |
| 1597 | 10.38.9.3.3 | It is not clear what the SSW frame sent by EDMG STAs should contain in the 'Sector Sweep Feedback field' . Please specify. | Refine text by adding: "The 'Sector Sweep Feedback field' within the SSW frame sent by each STA shall refer to the STA's best received PCP/AP transmit sector in preceding beacon transmission. The determination of the best received sector is implementation dependent" |

**Proposed resolution:** Rejected

1. The information within the Sector Sweep Feedback field is already defined in 9.5.3. Specifically, the Sector Select subfield and DMG Antenna Select subfield will indicate the value of the Sector ID and DMG Antenna ID that was received with best quality.

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| CID | Clause | Comment | Proposed change |
| 1955 | 9.4.2.250.6 | In no place in the normative behavior text the term "static SM power save" is mentioned | Refer to the "static SM power save" in the relevant place in the normative behavior text |

**Proposed resolution:** Revised

*Change the second to last paragraph in 9.4.2.250.6 as follows:*

The SM Power Save subfield indicates the support for spatial multiplexing power save for an EDMG STA (see 11.2.6). It also indicates the spatial multiplexing power save mode that is in operation immediately after (re)association. This subfield is set to 0 for static SM power save mode, 1 for dynamic SM power save mode (see 11.2.6), and 3 for SM power save disabled or not supported. The value of 2 is reserved.

**Straw Poll:**

* **Do you agree to accept comment resolutions as proposed in doc 11-18/0722r0?**