IEEE P802.11
Wireless LANs

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| PHY (PPDU RX) Abort |
| Date: 2020-11-03 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Payam Torab | Facebook | 1 Hacker WayMenlo Park, CA 94025USA |  | torab@ieee.org |
| Djordje Tujkovic |  | djordjet@fb.com |
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Comment resolution for CIDs 7107. Proposed edits are based on 11ay Draft 6.0 and REVmd Draft 5.0.

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| **CID** | **Comment** | **Proposed change** | **Resolution** |
| 7107 | The PHY primitive has been defined for PHY-Abort, however, there are no normative behavior described on how this primitive is used. | Please add normative behavior when this primitive should be used. | Revised  |

**Discussion:**

The need for receive abort was first discussed in 11-18/0164 (Interference Mitigation in mmWave Distribution Networks) in the context of mitigating co-channel interference by cutting short the reception of any PPDU whose preamble has been acquired before the the TDD slot boundary during which a STA is expected to receive.



The primitive (PHY-ABORT, 8.3.5.17) has been added to PHY SAP, but there is no text to describe where the primitive can be invoked. In the following we add descriptive text.

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***Editor: Add this sententenceto the end of Section 28.3.9.10 (Receiver co-channel interference (CCI) resilience)***

In addition, a DMG STA operating in a TDD SP may abort a PPDU reception (see 8.3.5.17 (PHY-ABORT.request)) at the starting boundary of any TDD slot during which the STA is scheduled to receive, unless the STA was also scheduled to receive during the preceding adjacent TDD slot from at least one STA that is scheduled to transmit during both slots.