IEEE P802.11
Wireless LANs

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| PHY CID 11895 Resolution |
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Abstract: This document addresses the following CID:

 *CIDs* *11895*

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| 11895 | 27.5.3.2.3 | 248.1 | For accurate timing synchronization at each STA responding a trigger frame, the legacy part preamble (L-STF, L-LTF, ..) of the PPDU carrying trigger frame shall not be beamformed. There are existing implementations that may beamform the legacy preamble or the whole non-HT PPDU, but it is better to be disallowed if the PPDU is carrying a trigger frame. | Add a note: "Beamforming the non-HT preamble of the PPDU carrying a Trigger Frame is not recommended" | **Revised.**Change to as in doc IEEE802.11-17/1731r2. |

TGax editor: please make the following change P248L4

An HE AP shall not use the short guard interval for an HT or VHT PPDU that carries a Trigger frame or an UMRS Control field. A Trigger frame shall not be carried in a DSSS or HR/DSSS PPDU. An HE AP shall not use STBC encoding for a PPDU that carries a Trigger frame or an UMRS Control field.

When transmitting PPDUs carrying a Trigger Frame or an UMRS Control field, an HE AP should not apply transmit beamforming on:

* Non-HT PPDUs
* Fields prior to the HT-STF field of an HT mixed format PPDU
* Pre-VHT modulated fields of an VHT PPDU
* Pre-HE modulated fields of an HE PPDU

An HE AP shall set the beam change field in HE-SIG-A field to 1 in an HE PPDU that carries a Trigger Frame or an UMRS Control field.