IEEE P802.11
Wireless LANs

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| Comment resolution on CIDs for 28.3.10 HE Preamble |
| Date: 2017-02-05 |
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Abstract:

This document contains comment resolution on the following CIDs for 28.3.10 HE Preamble:

4995, 7234, 8894 and 8895.

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Resolution** |
| 4995 | 28.3.10.2.1 | 267 | 61 | "transmit chain index of each STA" but what if STA has more than 1 chain? | "transmit chain indices of the transmit chains of each STA" | Accepted.11ax editor, please see the discussion for instructions.  |
| 7234 | 28.3.10.2.1 | 268 | 2 | When the TXVECTOR parameter BEAM\_CHANGE is 0, the cyclic shift value for the L-STF, L-LTF,L-SIG, RL-SIG, and HE-SIG-A fields should be T\_{CS,HE} as specified in 28.3.10.2.2. | Change "When the TXVECTOR parameter BEAM\_CHANGE is 0, the cyclic shift value for the L-STF, L-LTF, L-SIG, RL-SIG, and HE-SIG-A fields is not specified"to "When the TXVECTOR parameter BEAM\_CHANGE is 0, the cyclic shift value for the L-STF, L-LTF,L-SIG, RL-SIG, and HE-SIG-A fields is T\_{CS\_HE} as specified in 28.3.10.2.2" | Accepted.11ax editor, please see the discussion for instructions.  |
| 8894 | 28.3.10.2.1 | 267 | 61 | "In UL MU transmission the cyclic shift value is based on the transmit chain index of each STA." Is it? This is not consistent with e.g. (28-15). There, per-stream CSD is used and it does not depend on the user starting stream index. I'm not even sure thaty "transmit chain index" is defined anywhere. | Clarify and make consistent | Rejected.For pre-HE portion, the CSD value shall based on index of transmit chain, not the index of spatial stream. In 11n and 11ac, transmit chain is also used.  |
| 8895 | 28.3.10.2.2 | 268 | 19 | 28.3.10.2.2 needs a description of the CS per stream for the case of UL MU-MIMO. | Add requirements for UL MU-MIMO | Rejected.For SU and MU, including UL MU-MIMO, the sentence in the current D1.0 shall be applied. “For the *r*-th RU, the cyclic shift value for the HE modulated fields for space-time stream TCS,HE (*n)* out of *NSTS,r,total* total space-time streams is shown in Table 21-11 (Cyclic shift values for the VHT” modulated fields of a PPDU).”  |

**Discussions for CID 4995:**

***TGax Editor: Please make the following text change (changed texts are in red) in the line 61, page 267* *of D1.0***:

the cyclic shift value $T\_{CS}^{i\_{TX}} $is based on the transmit chain ~~index~~ indices of each STA.

**Discussions for CID 4995:**

***TGax Editor: Please make the following text change (changed texts are in red) in the line 1-3, page 268 of D1.0***:

~~When the TXVECTOR parameter BEAM\_CHANGE is 0, the cyclic shift value~~ $T\_{CS}^{i\_{TX}}$ ~~for the L-STF, L-LTF, L-SIG, RL-SIG, and HE-SIG-A fields is not specified.~~ When the TXVECTOR parameter BEAM\_CHANGE is 0, the cyclic shift value $T\_{CS}^{i\_{TX}} $for the L-STF, L-LTF, L-SIG, RL-SIG, and HE-SIG-A fields is $T\_{CS,HE}(n) $as specified in 28.3.10.2.2"