IEEE P802.11
Wireless LANs

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| LB230 CR STA\_ID\_LIST  |
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Abstract

This submission proposes resolutions of comments received from TGax LB230.

(The proposed change is based on TGax Draft 2.2.)

* CIDs: 13940, 13939, 11181, 13941 (4 CIDs)

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGax Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGax Editor: Editing instructions preceded by “TGax Editor” are instructions to the TGax editor to modify existing material in the TGax draft. As a result of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.***

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- |
| 13940 | 304.08 | 27.11.1 | "If an RU is intended for a single non-AP STA, then the STA\_ID\_LIST element for that RU is set to the 11 LSBs of the AID of the STA receiving the PSDU contained in that RU."Because an RU in an HE MU PPDU can be destined to an unassociated STA, change a single non-AP STA to an associated STA. | Change as the following:"If an RU is intended for one associated non-AP STA, then the STA\_ID\_LIST element for that RU is set to the 11 LSBs of the AID of the STA receiving the PSDU contained in that RU." | Revised- Agree in principle. The unassociated non-AP STA uses a different STA\_ID\_LIST element value. TGax editor makes changes as shown in the as specified in 11-18/0628r0. |
| 13939 | 304.10 | 27.11.1 | "If an RU is intended for a single non-AP STA, then the STA\_ID\_LIST element for that RU is set to the 11 LSBs of the AID of the STA receiving the PSDU contained in that RU. If an RU is intended for no user, then the STA\_ID\_LIST element for that RU is set to 2046."Please makes the unused values (2008 to 2044) of the STA\_ID\_LIST element as reserved valuse for a future extension. | As in comment. | Revised- Agree in principle. The STA\_ID\_LIST element values between 2008 and 2044 are not used in TGax. TGax editor makes changes as shown in the as specified in 11-18/0628r0. |
| 11181 | 304.13 | 27.11.1 | Missing hyphen | Change STAID to STA-ID | Revised- Agree in principle. TGax editor makes changes as shown in the as specified in 11-18/0628r0. |
| 13941 | 304.32 | 27.11.1 | "For an AP with dot11MultiBSSIDActivated equal to false, if the RU is intended for more than one unassociated STA, the STA\_ID\_LIST element is set to 2045. The AP may include only one element with this value in a DL MU PPDU."When the RU is destined for one unassociated STA, the STA\_ID\_LIST element is also set to 2045. Include this case in 27.11.1. | As in comment. | Revised- Agree in principle. When an RU is intended for one unassociated non-AP STA, the STA\_ID\_LIST element is set to 2045. TGax editor makes changes as shown in the as specified in 11-18/0628r0. |

***TGax editor: change 27.11.1 as the following***

* Setting TXVECTOR parameters for an HE PPDU
* STA\_ID\_LIST

Each element of the TXVECTOR parameter STA\_ID\_LIST identifies the STA or group of STAs that is the recipient of an RU in the HE MU PPDU. If an RU is intended for ~~a single~~ one associated (#13940) non-AP STA, then the STA\_ID\_LIST element for that RU is set to the 11 LSBs of the AID of the STA receiving the PSDU contained in that RU. If an RU is intended for random access by one or more unassociated non-AP STAs, then the STA\_ID\_LIST element for that RU is set to 2045. (#13941) If an RU is intended for no user, then the STA\_ID\_LIST element for that RU is set to 2046. If an RU is intended for an AP, then the STA\_ID\_LIST contains only one element that is set to the 11 LSBs of the AID of the non-AP STA transmitting the PPDU. If an RU is intended for multiple STAs for MU-MIMO then multiple STAs identified by STA-IDs in the STA\_ID\_LIST ~~will refer to~~ use (#11181) the same resource unit (see 27.5.3 (UL MU operation)). If an RU is intended for multiple STAs and carries a single A-MPDU then the STA\_ID\_LIST element is set as follows:

* For an AP with dot11MultiBSSIDActivated equal to false, if the RU is intended for more than one associated STA in the BSS, the STA\_ID\_LIST element is set to 0. The AP may include only one element with this value in a DL MU PPDU.
* For an AP with dot11MultiBSSIDActivated equal to true, if the RU is intended for more than one associated STA in any of its BSSs, the STA\_ID\_LIST element is set to partial virtual bitmap value assigned for the group addressed frame (see 9.4.2.6 (TIM element)). The AP may include only one element for each BSSID of the multiple BSSID set in the HE MU PPDU, and the number of such elements shall not exceed the maximum number of BSSs of the multiple BSSID set.
* For an AP with dot11MultiBSSIDActivated equal to true, if the RU is intended for more than one associated STA on all its BSSs, the STA\_ID\_LIST element is set to 2047. The AP may include only one element with this value in a DL MU PPDU.
* For an AP with dot11MultiBSSIDActivated equal to false, if the RU is intended for more than one unassociated STA, the STA\_ID\_LIST element is set to 2045. The AP may include only one element with this value in a DL MU PPDU.
* For an AP with dot11MultiBSSIDActivated equal to true, if the RU is intended for more than one unassociated STA for any of its BSSs, the STA\_ID\_LIST element is set to 2045. The AP may include only one element with this value in a DL MU PPDU.

The STA\_ID\_LIST element values between 2008 and 2044 are reserved. (#13939)