### **IEEE P802.11 Wireless LANs**

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| Non-AP Regulatory Connectivity | | | | |
| Date: 2024-04-12 | | | | |
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**Abstract**

No available CID; but soliciting the following change regardless.

**Revisions:**

* Rev 0: Initial version of the document.

***TGme editor: Please note Baseline is 11me D5.0. Edits are expressed via Word track changes:***

***Belated Comment:***

An AP device that does not have an IEEE AP at 6 GHz doesn’t need to troubleshoot 6 GHz connectivity issues so doesn’t need to receive a Non-AP STA Regulatory Connectivity element.

We can reasonably infer when an AP device doesn’t have an IEEE AP at 6 GHz from its IEEE APs at 2.4 and 5 GHz, as follows. Typically all IEEE APs in an AP device have the same MAC/PHY generation. It is overwhelmingly the case that IEEE APs at 5 GHz and 6 GHz in the same AP device have the same MAC/PHY generation. Then the following rule of thumb almost always holds: if an AP device does not include an HE/EHT/… AP at 2.4 and/or 5 GHz, then almost surely that AP device has no IEEE AP at 6 GHz either.

***Proposed resolution:***

Limit the mandatory requirements on sending the Non-AP STA Regulatory Connectivity element to APs (on 2.4/5/6 GHz) that are HE APs (and, implicitly, higher APs).

***Proposed edit (P5913L52):***

E.2.7 6 GHz band

(#6076)A non-AP STA that is capable of operating as a STA 6G and has dot11ExtendedRegInfoSupport equal to true may transmit in a Non-AP STA Regulatory Connectivity element (see 9.4.2.312 (Non-AP STA Regulatory Connectivity element(#6076))) in Probe Request frames and in (Re)Association Request frames to an AP that does not transmit a Country element. A non-AP STA that is capable of operating as a STA 6G and has dot11ExtendedRegInfoSupport equal to true shall transmit a Non-AP STA Regulatory Connectivity element (see 9.4.2.312 (Non-AP STA Regulatory Connectivity element(#6076))) in (Re)Association Request frames to an HE AP that does transmit a Country element.