IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Inter-band Channel Switch using ECS | | | | | | Date: 2023-05-16 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Youhan Kim | Qualcomm Technologies, Inc. |  |  | [youhank@qti.qualcomm.com](mailto:youhank@qti.qualcomm.com) | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission proposes resolutions for the following CIDs from LB273:

4410

NOTE – Set the Track Changes Viewing Option in the MS Word to “All Markup” to clearly see the proposed text edits.

**Revision History:**

R0: Initial version.

# CID 4410

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| --- | --- | --- |
| **CID**  **Clause**  **Page.Line** | **Comment** | **Proposed Change** |
| 4410  11.9.1  2496.40 | Extended channel switching is the only mechanism in IEEE 802.11-2020 which can be used to switch between bands. However, REVme D3.0 suddenly made inter-band channel switch impossible by prohibiting the use of ECS for inter-band channel switch. | Delete "ECS procedures shall not be used to switch between bands." |

## Discussion

REVme D3.0 added a sentence prohibiting the use of extended channel switch (ECS) procedure for inter-band channel switching.

REVme D3.0 P2496 (11.9.1):



Note that Channel Switch Announcement (9.4.2.17) cannot be used for inter-band channel switch because the channel number alone is insufficient to indicate that the AP is moving to a different band. Hence, ECS is the only mechanism in the IEEE 802.11 standard which can be used to perform inter-band channel switch, and is used by existing products in the field. Therefore, it is not appropriate to suddenly make ECS illegal for inter-band channel switch.

## Proposed Resolution: CID 4410

**ACCEPTED**

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