IEEE P802.11
Wireless LANs

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| Inter-band Channel Switch using ECS |
| Date: 2023-05-16 |
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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** |
| 441011.9.12496.40 | 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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