IEEE P802.11
Wireless LANs

|  |
| --- |
| First Recirc Sponsor ballot - proposed resolution for comments assigned to the author (Peter Ecclesine) |
| Date: 2016-02-24 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Peter Ecclesine | Cisco Systems | 170 West Tasman Dr., MS SJ-14-4, San Jose, CA 95134 | +1-408-527-0815 | pecclesi@cisco.com |
|  |  |  |  |  |

Abstract

This document contains proposed resolutions to SB1 comment assigned to the author.

R0: CID 7220

# Comments owned by MAC

| **CID** | **Page** | **Clause** | **Resn Status** | **Comment** | **Proposed Change** | **Resolution** | **Owning Ad-hoc** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 7220 | 743.26 | 9.4.2.19 |  | It is not clear whether a STA that receives a Channel Switch Mode of 1 ("shut up immediately") may continue to transmit to devices outside the BSS.  Perhaps not in a non-DMG infraBSS ("The AP may force STAs in the BSS to stop transmissions until the channel switch takes place by setting the Channel Switch Mode field in the Channel Switch Announcement element to 1.", and more weakly "The AP may request STAs in the BSS to stop transmissions until the channel switch takes place by setting the Extended  Channel  Switch  Mode  field  to  1  in  the  Extended  Channel  Switch  Announcement  element.") but yes in an IBSS ("The DFS owner may attempt to silence STAs in the IBSS until the channel switch takes place using the Channel Switch Mode field in the Channel Switch Announcement element." and " An IBSS STA may treat a Channel Switch Mode field equal to 1 as advisory") or a DMG BSS ("A [DMG] STA may ignore the Channel Switch Mode field", though this is contradicted by "If a STA in a BSS that is not an IBSS receives a Channel Switch Mode field that has the value 1, it shall not transmit any more frames to STAs in the BSS until the scheduled channel switch occurs.")? | Use clearer wording to express what appears to be the intent: non-DMG infra STA shall shut up, DMG or IBSS STA may continue to babble. |  | MAC |

**Discussion**

SB1 CID 7220 on channel switch announcement descriptopm text notes the contradiction that STAs that are not DFS owners in DFS bands should follow control elements from the DFS owner or leave the BSS. Commenter asks after receipt of Channel Switch Mode value of 1, can a STA continue to transmit to devices outside the BSS? For background on restricted bands and client restrictions, see <https://mentor.ieee.org/802.11/dcn/12/11-12-1159-03-00ai-masers-slaves-and-clients.pptx> . We propose clearer wording to express that receipt of a Channel Switch Announcement with Channel Switch Mode value of 1, a non-DMG infrastructure STA shall not transmit, but a DMG or IBSS STA are not constrained.

**Proposed Resolution**

Accepted. Make changes under CID 7220 in <this-document>.

Editing instructions are based on REVmc Draft 5.0.

*At [5.0]1674.12 11.9.8.2 Selecting and advertising a new channel in a non-DMG BSS, change as shown*: “The AP may force STAs in the BSS to stop transmissions until the channel switch takes place by setting the

Channel Switch Mode field in the Channel Switch Announcement element to 1. All STAs operating under the control of the AP and receiving the Channel Switch Announcement with a Channel Switch Mode field with a value of 1 shall not transmit until after the channel switch.

*At [5.0]1675.53 11.9.8.3 Selecting and advertising a new channel in an IBSS, change as shown:*

“The DFS owner may attempt to silence STAs in the IBSS until the channel switch takes place using the Channel Switch Mode field in the Channel Switch Announcement element. An IBSS STA may ignore the Channel Switch Mode field and either cease transmissions or attempt new transmissions in the operating channel until the channel switch occurs.”

*At [5.0]1679.32 11.9.9 Channel Switch Announcement element operation, change as shown:*

“If a non-DMG STA in a BSS that is not an IBSS receives a Channel Switch Mode field that has the value 1, it shall not transmit any more frames ~~to STAs in the BSS~~ until the scheduled channel switch occurs. An IBSS STA may treat a Channel Switch Mode field equal to 1 as advisory.”