IEEE P802.11
Wireless LANs

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| D2 Comment Resolution, brianh, part 3 |
| Date: 2012-05-08 |
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##### Baseline is 11ac D2.1. Changes indicated by a mixture of Word track-changes and instructions. For equation changes, Latex notation is sometimes used. E.g. a\_{xyz}^b denotes axyzb

MAC CIDs addressed: 4928 and 4348

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| 4348 | Brian Hart | 8.5.13.7 | 80.20 | Is there a TDLS ECSA to change operating class also, for where regulations are time/location/initiator-state dependent and this needs to be specified by the op class? No ability to change TX power during the ch switch either | Seems like missing functionality | Revised: Country element and VHT Transmit Power Envelope element are added to TDLS Switch Channel Request frame format in document 12/379. |

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| 4928 | Minho Cheong | 10.38.1 | 141.46 | why shall "Extended Channel Switch Announcement element" be also present in the same transmitted packet (together with other elements that allow to indicate the new wide BW channel) when switching to a 80, 80+80 or 160MHz operating bandwidth though it is not actually necessary for that kind of switching? | as commented | Revised: P141L46 doesn’t refer to ECSA element. Likely P141L59 is meant instead. Here the “shall” is not on ECSA; rather it is on the inclusion of the Secondary Channel Offset element and WideBandwidth Channel Switch elements. The Secondary Channel Offset is added in case there are 11n clients who are being switched too. Yet, this Secondary Channel Offset addition is actually an error in 11acD2.0 – the Secondary Channel Offset element is nowhere defined to exist in the Beacon frame. This is fixed in 12/379 - the Secondary Channel Offset element is no longer assumed. Further, 12/379 defines switching of as many as possible 11a/11n/11ac clients via channel switching and/or extended channel switching. Changes in 12/379.  |

***Discussion***

P141L46 doesn’t refer to ECSA element. Likely P141L59 is meant instead.

“When announcing a switch to a 80 MHz, 80+80 MHz or 160 MHz operating bandwidth, either in conjunction with a channel switch or alone, the Secondary Channel Offset Element and the Wide Bandwidth Channel Switch Element shall be present in the same frame as the Channel Switch Announcement element or Extended channel Switch Announcement element. When announcing a switch to a 80 MHz, 80+80 MHz or 160 MHz by using the Extended Channel Switch Announcement element, the value of the New Operating Class field identifies the primary 40 MHz channel.”

Thus the “shall” is not on ECSA; rather it is on the inclusion of the Secondary Channel Offset element and WideBandwidth Channel Switch elements. The Secondary Channel Offset is added in case there are 11n clients who are being switched too. Yet, this Secondary Channel Offset addition is actually an error in 11acD2.0 – the Secondary Channel Offset element is nowhere defined to exist in the Beacon frame. This is fixed in 12/379 - the Secondary Channel Offset element is no longer assumed. Further, 12/379 defines switching of as many as possible 11a/11n/11ac clients via channel switching and/or extended channel switching.