IEEE P802.11
Wireless LANs

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| Text for Partial BSS Color and AID Assignment Rule |
| Date: 2016-09-12 |
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Abstract

This submission proposes spec text for the partial BSS color and the AID assignment rule related to 11-16/0918r1.

Revisions:

* Rev 0: Initial version of the document.

***Editing instructions formatted like this are intended to be copied into the TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGax Editor: Editing instructions preceded by “TGax Editor” are instructions to the TGax editor to modify existing material in the TGax draft. As a result of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.***

**Discussion: None**

**TGax Editor: *make the following changes of clause******25.4.1 (Selection of BlockAck and BlockAckReq variants)*** *in page 55 of D0.2*

#### **9.4.2.214 HE Operation element**

**TGax Editor: *Change from the 3rd paragraph as follows (from line 54 of D.0.2):***

The format of the HE Operation Parameters field is defined in Figure 9-ax6 (HE Operation Parame­ters(#1350) field format).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | B0 B5 | B6 B8 | B9 B11 | B12 B15 |
|  | BSS Color | Partial BSS Color Length | Default PE Duration | Reserved |
| Bits: | 6(#244) | 3 | 3(#1) | 4(#Ed) |

Figure 9-ax6—HE Operation Parameters(#1350) field format

The BSS Color field is an unsigned integer whose value is the BSS color(#1165) of the BSS corresponding to the AP which transmitted this element, except that a value of 0 in this field indicates that there is no BSS color(#1165) for this BSS.

The BSS Color field is an unsigned integer whose value is the BSS Color of the BSS corresponding to the AP, IBSS STA, mesh STA or TDLS STA that transmitted this element, except that a value of 0 in this field is used if one or more intended recipient STAs of an HE PPDU is not a member of a transmitting STA’s BSS.(#73)

The Partial BSS Color Length field is an unsigned integer whose value is the number of partial bits of the BSS Color of the BSS corresponding to the AP that transmitted this element. When the Partial BSS Color field is not equal to 0, the value of the Partial BSS Color Length field is used as *N* in Equation (11-ax1) for the AID assignment (As defined in 11.x.y (AID Assignment Rule)). When the Partial BSS Color Length field is 0, AID is not assigned not following the rule defined in 11.x.y (AID Assignment Rule). Values 5-7 of the Partial BSS Color Length field are reserved.

The Default PE Duration subfield indicates the PE duration in units of 4 μs, for an HE trigger-based PPDU that is solicited with UL MU Response Scheduling in the A-Control subfield. Values 5-7 of the Default PE Duration subfield are reserved.(#1)

**TGax Editor: *Insert new subclause 11.x.y.***

#### **11.x HE BSS Operation**

#### **11.x.y AID Assignment Rule**

An AP may set the Partial BSS Color Length field to a nonzero value in the HE Operation elements it transmits. If the value of the Partial BSS Color Length field in the HE Operation Element is greater than zero, then the HE AP shall allocate AID[5:5+*N*−1] according to Equation (11-ax1) and the value of the Partial BSS Color Length field is *N*.

 (11-ax1)

*N* is 1, 2, 3, or 4 and it is the value of the Partial BSS Color Length field of the HE Operation element. is the *N* LSB of the BSS color bits and is the operator that casts a decimal value *x* into an *N* bits binary vector.