IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 802.11bc LB255 – Conflict between comments 1091 and 1451 | | | | |
| Date: April 14, 2021 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Antonio de la Oliva | Interdigital Ltd |  |  | Antonio.delaoliva@interdigital.com |

**Abstract**: During LB252, comments 1091 and 1451, over Table 9-bc3 have been resolved with conflict among them, yielding to a situation where the current text in IEEE 802.11bc D1.02 presents several issues.

Issues:

1. In the paragraph, the field is referred to as Request Method, while now is called Negotiation method as shown in Figure 9-bc14
2. The field is a bitmask as defined in D1.02, therefore multiple bits can be set at the same time. Bits 1, 2 (both) are not compatible with bit 3, since bit 3 states the STA needs to wait for information carried in the EBCS Info frame, while 1 and 2 state that the STA can request directly the AP to start the service.
3. The paragraph states no bits set to 1 means there is no negotiation, but Bit 0 must be set to 1 to indicate No negotiation as shown in Table 9-bc3.
4. The Table indicates values from 4 to 255 are reserved, but since it is a bitmask, should read bits 4 to 7.

**Current version in D1.02**

The Request Method subfield is a bit mask that indicates the ~~request~~ method to ~~solicit~~ request the transmission of an EBCS identified by the content ID contained in the Content ID subfield. The encoding of the Request Method subfield is defined in Table 9-bc3 (Request Method subfield encoding). When no bits are set within the Negotiation Method subfield, there is no negotiation.

Table 9-bc3 – Request Method subfield encoding

|  |  |  |
| --- | --- | --- |
| **Negotiation Method subfield bit~~value~~** | **Meaning** | **Notes** |
| 0 | No negotiation |  |
| 1 | Request using EBCS Request frames | EBCS request by STAs that are associated with the broadcaster |
| 2 | Request using EBCS Request ANQP-elements | EBCS request by STAs that are not associated with the broadcaster |
| 3 | Request ~~using IP request~~as defined in EBCS Info frame | Out of band IP request. The mechanism and address are indicated in the EBCS frame. |
| 4-255 | Reserved |  |

**Proposed Change**

The Negotiation ~~Request~~ Method subfield is an ~~bit mask~~ octet that indicates the method to ~~solicit~~ request the transmission of an EBCS identified by the content ID contained in the Content ID subfield. The encoding of the Negotiation ~~Request~~ Method subfield is defined in Table 9-bc3 (Negotiation ~~Request~~ Method subfield encoding). ~~When no bits are set within the Negotiation Method subfield, there is no negotiation.~~

Table 9-bc3 – Negotiation ~~Request~~ Method subfield encoding

|  |  |  |
| --- | --- | --- |
| **Negotiation Method subfield ~~bit~~value** | **Meaning** | **Notes** |
| 0 | No negotiation |  |
| 1 | Request using EBCS Request frames | EBCS request by STAs that are associated with the broadcaster |
| 2 | Request using EBCS Request ANQP-elements | EBCS request by STAs that are not associated with the broadcaster |
| 3 | Request ~~using IP request~~as defined in EBCS Info frame | Out of band IP request. The mechanism and address are indicated in the EBCS Info frame. |
| 4-255 | Reserved |  |

Note – Only one Negotiation Method can be selected per service.