IEEE P802.11  
Wireless LANs

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| Clause 11 and PICS (Annex B) comment resolutions | | | | |
| Date: 2021-07-23 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Stephen MCCANN | Huawei Technologies Co., Ltd | Southampton, UK |  | stephen.mccann@ieee.org |

Abstract

This document proposes some comment resolutions for IEEE 802.11bc D1.03

CIDs 1374, 1376, 1549

**Discussion**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **P/L** | **Comment** | **Proposed Change** | **Resolution** |
| 1549 | 4 |  | Are eBCS AP and eBCS non-AP STA defined somewhere? I couldn't find them. It may be good to define them in clause 4 or 11. The definition for the eBCS AP may be "an AP that has dot11eBCSSupportActivated set to true" and eBCS non-AP STA may be "a non-AP STA that has dot11eBCSSupportActivated set to true". Not sure if QoS or any other features are also required for them. | As in comment. | Revised. The following text is to be inserted in clause 11.55.1 "An EBCS AP is an AP that has dot11EBCSSupportActivated set to true and and an EBCS non-AP STA is an non-AP STA that has dot11EBCSSupportActivated set to true." |

Add a new paragraph following the first paragraph of clause 11.55.1.

**11.55.1 Overview**

This subclause describes EBCS procedures that are used for EBCS STAs. EBCS is supported both where there is an association between the transmitter(s) and the receiver(s) in an infrastructure BSS and in cases where there is no association between transmitters(s) and receiver(s).

(#1549) An EBCS AP is an AP that has dot11EBCSSupportActivated set to true and and an EBCS non-AP STA is an non-AP STA that has dot11EBCSSupportActivated set to true.

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| **CID** | **Clause** | **P/L** | **Comment** | **Proposed Change** | **Resolution** |
| 1376 | B.4.3 | 70.7 | B.4.37 suggests only APs and their STAs can do EBCS | "Change ""O"" to ""CFAP OR CFSTAofAP:O"". Then in B.4.37 change ""(CFAP OR | Revised. The comment is correct. In addition, a check box for the No alternative should be added in the Support column. |
| 1374 | B.4.37 | 70 | All these requirements are based on being CFAP OR CFSTAofAP but a STA is not required to be associated to an AP for EBCS | Use a more generic CF that will also cover unassociated STAs | Revised. This comment is resolved by the changes in CID 1376. |

Change the table in B.4.3 as follows:

**B.4.3 IUT configuration**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **IUT configuration** | **References** | **Status** | **Support** |
| \* CFEBCS | Enhanced Broadcast Services | 11.55 | (#1374, #1376) CFAP OR CFSTAofAP:O | Yes □ No (#1374, #1376) □ |

Change the table in B.4.37 as follows:

**B.4.37 Enhanced Broadcast Services (EBCS) features**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | Protocol capability | Reference | Status | Support |
| \* EBCS1 | EBCS Downlink Procedure | 11.55.2 (EBCS DL  procedures) | (#1374, #1376) CFEBCS: O.1 | Yes □ No □ N/A □ |
| EBCS1.1 | EBCS Info frame | 9.6.7.1.bc2  EBCS Info frame format | EBCS1: M | Yes □ No □ N/A □ |
| \* EBCS2 | EBCS Uplink Procedure | 11.55.3 (EBCS UL  Service) | (#1374, #1376) CFEBCS: O.1 | Yes □ No □ N/A □ |
| EBCS2.1 | EBCS UL frame | 9.6.7.1.bc1 EBCS UL  frame format | EBCS2: M | Yes □ No □ N/A □ |
| \* EBCS3 | EBCS frame authentication | 12.13 (Frame authentication for EBCS) | (#1374, #1376) CFEBCS: M | Yes □ No □ N/A □ |
| \* EBCS3.1 | PKFA | 12.13.2  EBCS public key frame authentication  (PKFA) | EBCS1 AND  EBCS3: O.2 EBCS2 AND EBCS3: O.3 | Yes □ No □ N/A □ |
| EBCS3.1.1 | PKFA MPDU | 12.13.2.3  PKFA MPDU  format) | EBCS3.1: M | Yes □ No □ N/A □ |
| \* EBCS3.2 | HCFA | 12.13.3  EBCS hash chain frame  authentication (HCFA) | EBCS1 AND EBCS3: O.2 | Yes □ No □ N/A □ |
| EBCS3.2.1 | HCFA MPDU | 12.13.3.3  HCFA MPDU  generation | EBCS3.2: M | Yes □ No □ N/A □ |
| EBCS3.3 | HLSA | 12.13.4 No frame authentication with mandatory higher layer source authentication  (HLSA) | EBCS1 AND EBCS3: O.2 EBCS2 AND EBCS3: O.3 | Yes □ No □ N/A □ |
| \* EBCS4 | EBCS Request and Response Procedure | 11.55.4  EBCS  Negotiation Procedure for  Associated STAs | CFAP AND CFEBCS: M CFSTAofAP AND EBCS1: M | Yes □ No □ N/A □ |
| EBCS4.1 | EBCS Request frame | 9.6.31.2  EBCS  Request Frame format | EBCS4: M | Yes □ No □ N/A □ |
| EBCS4.2 | EBCS Response frame | 9.6.31.3  EBCS  Response Frame format | EBCS4: M | Yes □ No □ N/A □ |
| \* EBCS5 | EBCS Termination Notice Procedure | 11.55.5  EBCS  Termination Notice  Procedure | CFAP AND CFEBCS: O CFSTAofAP AND EBCS1:  M | Yes □ No □ N/A □ |
| EBCS5.1 | EBCS Termination Notice frame | 9.6.7.1.bc3 EBCS  Termination Notice frame  format | EBCS5: M | Yes □ No □ N/A □ |
| EBCS6 | ANQP EBCS Procedure | 11.22.3.3.100  Enhanced Broadcast Services  procedures | CFAP AND CFEBCS: M CFSTAofAP AND  CFEBCS: O | Yes □ No □ N/A □ |
| EBCS7 | Transmission Rate Control for EBCS | 10.6.5.3 Rate selection for EBCS frames | (CFAP AND EBCS1) OR (CFSTAofAP AND  EBCS2): M | Yes □ No □ N/A □ |