IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Comment resolution on CID 20566 | | | | |
| Date: 2019-09-16 | | | | |
| Author: | | | | |
| Name | Affiliation | Address | Phone | Email |
| Edward Au | Huawei Technologies | 303 Terry Fox Drive, Suite 400, Ottawa, Ontario K2K 3J1 |  | edward.ks.au@gmail.com |

This submission present a resolution for CID 20566. The proposed changes are based on P802.11ax D4.3.

##### Revision history:

##### R0 – initial version

##### R1 – revised proposed resolution

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CID | Clause | Page | Line | Comment | Proposed Change | Resolution |
| 20566 | C.3 | 701 | 11 | I think you're no longer supposed to have both dot11FooImplemented and dot11FooActivated. I think that the latter now implies the former | Delete all instances of "dot11HE[A-Za-z0-9]\*Implemented" and "dot11SRPbasedSRSupportImplemented" throughout |  |

Discussion:

As per the document 15/0355r13, a feature is dynamic or it is not (i.e., static). It cannot be both:

* dot11<XXX>Implemented: A static implementation pattern is for a feature that is an inherent capability of a given implementation. As an “inherent” capability, this pattern is for features that are permanently operational in an instantiation of an implementation that supports it – that is, it is not enabled or disabled dynamically during the lifetime of an instance of the implementation.
* dot11<XXX>Activated: This pattern is for a feature that, when present in an implementation, becomes operational or non-operational dynamically within the lifetime of a particular instance of the implementation. Such dynamic changes occur as a result of behaviors or interactions described within Std 802.11, for example, based on a protocol exchange, or receiving an enablement indication from a peer entity, or as a result of an external entity writing to the MIB attribute. It is critical to unambiguous description of the behavior that only one entity be able to change the attribute, whether that is an internal or external entity.

Throughout D4.2, there are quite a few pairs of MIBs with both implemented and activated, and the corresponding features are determined by the inherent capability of a given implementation.

* dot11EightyMHzOperation
* dot11HEPuncturedPreambleRx
* dot11HELDPCCodingInPayload
* dot11HESUPPDUwith1xHELTFand0point8GI
* dot11HESUPPDUandHEMUPPDUwith4xHELTFand0point8GI
* dot11HEERSUPPDUwith4xHELTFand0point8GI
* dot11HEERSUPPDUwith1xHELTFand0point8GI
* dot11HENDPwith4xHELTFand3point2GI
* dot11HESTBCTxLessThanOrEqualTo80
* dot11HESTBCTxGreaterThan80
* dot11HESTBCRxGreaterThan80
* dot11HEDopplerTx
* dot11HEDopplerRx
* dot11HEDCM
* dot11HEFullBWULMUMIMO
* dot11HEPartialBWULMUMIMO
* dot11HEPartialBWDLMUMIMO
* dot11HEULMUPayload
* dot11HESRPbasedSRSupport
* dot11HEPowerBoostFactor
* dot11HEPartialBWERSUPayload
* dot11HETriggeredSUBeamformingFeedback
* dot11HETriggeredMUBeamformingFeedback
* dot11HETriggeredCQIFeedbackSupport

Note to the commenter: dot11SRPbasedSRSupportImplemented has been renamed as dotHE11SRPbasedSRSupportImplemented.

**Proposed resolution:**

**Revised**

Delete the following terms and the corresponding description in Table 27-54 and Annex C:

* dot11EightyMHzOperationActivated
* dot11HEPuncturedPreambleRxActivated
* dot11HELDPCCodingInPayloadActivated
* dot11HESUPPDUwith1xHELTFand0point8GIActivated
* dot11HESUPPDUandHEMUPPDUwith4xHELTFand0point8GIActivated
* dot11HEERSUPPDUwith4xHELTFand0point8GIActivated
* dot11HEERSUPPDUwith1xHELTFand0point8GIActivated
* dot11HENDPwith4xHELTFand3point2GIActivated
* dot11HESTBCTxLessThanOrEqualTo80Activated
* dot11HESTBCTxGreaterThan80Activated
* dot11HESTBCRxGreaterThan80Activated
* dot11HEDopplerTxActivated
* dot11HEDopplerRxActivated
* dot11HEDCMActivated
* dot11HEFullBWULMUMIMOActivated
* dot11HEPartialBWULMUMIMOActivated
* dot11HEPartialBWDLMUMIMOActivated
* dot11HEULMUPayloadActivated
* dot11HESRPbasedSRSupportActivated
* dot11HEPowerBoostFactorActivated
* dot11HEPartialBWERSUPayloadActivated
* dot11HETriggeredSUBeamformingFeedbackActivated
* dot11HETriggeredMUBeamformingFeedbackActivated
* dot11HETriggeredCQIFeedbackSupportActivated

At 267.10, replace “dot11HELDPCCodingInPayloadActivated” with “dot11HELDPCCodingInPayloadImplemented”.