IEEE P802.11
Wireless LANs

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| 11bi D0.4 CR for Miscellaneous CIDs |
| Date: 2024-09-30 |
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Abstract

This submission proposes resolutions for the following CIDs:

1227, 1229, 1287, 1427

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Revision based on the comments during the teleconference call

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGbi D0.6 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbi D0.6 Draft. (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents). TGbi Editor: Editing instructions preceded by “TGbi Editor” are instructions to the TGbi editor to modify existing material in the TGbi draft. As a result of adopting the changes, the TGbi editor will execute the instructions rather than copy them to the TGbi Draft.***

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| **CID** | **Commenter** | **Clause** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 1227 | Mark RISON | 9.4.2.23.3 | 37.37 | If a new AKM has been added the existing reserved range will change | As it says in the comment | Revised –New ANA requested has been submitted. Resrevied value will be updated once the ANA value is assigned. TGbi editor to make the changes of the reserved value for AKM suite based on the ANA assignment.  |
| 1229 | Mark RISON | 9.4.2.188 | 38.02 | TGm has been adamant that fields cannot be renamed | Do not rename the field in the element | Rejected – Have checked with Emily and Robert to understand reasons of no name change and with name change.Reason for no name change: * The name maybe connected to upper layer operation and name change will create confusion
* The name maybe used by driver implementation and name change create confusion.

Reason for name change:* Keeping the name creates confusion on protocol usage

By considering above, the name change from “FILS Nonce” to “Nonce” has more benefits. There has been similar name change for another element from 11az, which changes “FILS wrapped data” to “Wrapped Data”. In that case, there is no confusion to upper layer and the name change does no create confusion to driver implementation. The name change does help protocol usage to clarify that Wrapped Data element can be used outside of FILS. The change from “FILS Nonce” to “Nonce” follows basically the same reasoning.We also provide details below to clarify that all the 30 instances of “FILS Nonce” in Revme D7.0 have been properly modified in 11bi D0.6.(6 instances) P26L43, P151L26, P436L17, P438L17, P439L56, P441 L60 are related to reference to 9.4.2.188 FILS Nonce element and will be fixed by 11bi D0.6 name change in clause 9.4.2.188 P46L8. (2 instances) P770L42 are fixed by 11bi D0.6 P29L34.(1 instance) P773L24 is fixed by 11bi D0.6 P30L33(1 instance) P773L36 is fixed by 11bi D0.6 P30L47(1 instance) P773L59 is fixed by 11bi D0.6 P31L15(1 instance) P774L16 is fixed by 11bi D0.6 P31L35(1 instance) P774L36 is fixed by 11bi D0.6 P31L60(1 instance) P774L51 is fixed by 11bi D0.6 P32L19(2 instances) P895L51 one is fixed by 11bi D0.6 P38L28, another one are related to reference to 9.4.2.188 FILS Nonce element and will be fixed by 11bi D0.6 name change in clause 9.4.2.188 P46L8(1 instances) P1325L33 is fixed by 11bi D0.6 P46L8(6 instances) Inside 9.4.2.188 FILS Nonce element are fixed by 11bi D0.6 P46L11-L28. Note that reference by framemaker to Figure 9-767—FILS Nonce element format will have changed once the name of the figure in framemaker is changed. (1 instance) P3148L63 is fixed by 11bi D0.6 P78L46(1 instance) P3148L64 is related to reference to 9.4.2.188 FILS Nonce element and will be fixed by 11bi D0.6 name change in clause 9.4.2.188 P46L8(2 instances) P3151L58 one is fixed by 11bi D0.6 P79L06 another one is related to reference to 9.4.2.188 FILS Nonce element and will be fixed by 11bi D0.6 name change in clause 9.4.2.188 P46L8(2 instances) P3152L60 one is fixed by 11bi D0.6 P79L26 another one is related to reference to 9.4.2.188 FILS Nonce element and will be fixed by 11bi D0.6 name change in clause 9.4.2.188 P46L8(1 instance) P5193L26 is related to reference to 9.4.2.188 FILS Nonce element and will be fixed by 11bi D0.6 name change in clause 9.4.2.188 P46L8 |
| 1287 | Mark RISON |   | 0.00 | "protected action frame" should be "protected Action frame" | As it says in the comment | Revised – All instances of “protected action frame” has been fixed as “protected Action frame”.No further change is required.  |
| 1427 | Mark RISON | 12.14 | 0.00 | I don't think introducing vague terminology like "authentication originator/responder" is a good idea. Stick to Authenticator/Supplicant and AP/non-AP STA | As it says in the comment | Rejected – in 802.1X, we have AP and STA, and authenticator is part of the AP and supplicant is part of the STA. Eventually EAPOL-PDU are all delivered to authenticator or supplicant, but the process to package them in frame defined by 802.11 is done by AP or STA. A citation is provided below, where STA will deliver the 802.1X message to authenticator and supplicant. Now, we can see that what is described in 12.14.4 are about “construct an authentication frame”, “receiving the authentication frame”, “extract EAPOL PDU”. This will be done by STA or MLD rather than the authenticator or supplicant. Authentication originator and authentication responder is used to generalize STA or MLD and describe both cases in one shot.***12.6.8 RSNA establishment in an infrastructure BSS(#1084)******12.6.8.1 General****IEEE 802.1X authentication can be initiated by any one of the following mechanisms:**— If a STA negotiates to use IEEE 802.1X authentication during (re)association, the STA’s**management entity may respond to the MLME-ASSOCIATE.confirm (or indication) or MLMEREASSOCIATE.**confirm (or indication) primitive by requesting the Supplicant (or Authenticator)**to initiate IEEE 802.1X authentication. Thus, in this case, authentication is driven by the STA’s decision to associate and the AP’s decision to accept the association.**— If a STA’s MLME-SCAN.confirm primitive finds another AP within the ESS of which the STA is a**member, a STA may signal its Supplicant to use (#3469)IEEE Std 802.1X-2020 to preauthenticate**with that AP.**NOTE 2—A BSS transitioning STA’s IEEE 802.1X Supplicant can initiate preauthentication by sending**an EAPOL-Start PDU (in one or more EAPOL-Start frames) via its old AP, through the DS, to a new AP.**— If a STA receives an IEEE 802.1X message, it delivers this to its Supplicant or Authenticator, which**may initiate a new IEEE 802.1X authentication.* |

**Discussion:**

None