IEEE P802.11
Wireless LANs

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| 11bi D0.4 CR for 10.71.2.4 |
| Date: 2024-08-02 |
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Abstract

This submission proposes resolutions for the following CIDs:

1341, 1065, 1093, 1343, 1344, 1172, 1345, 1094, 1346, 1173

Revisions:

* Rev 0: Initial version of the document.

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 D0.4 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbi D0.4 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** |
| 1341 | Mark RISON | 10.71.2.4 | 57.03 | "support for group EDP epoch" -- not clear what this means | Clarify | REVISEDThe same sentence is in 10.71.2.3, but in a clearer form (“A CPE non-AP MLD advertises group EDP epoch support in the Extended RSN element of (Re)Association Request frames by setting the Group EDP Epoch Supported field to 1 (#1333).”). The sentence should appear only once, this instance can be deleted. |
| 1065 | Antonio DeLaOlivaDelgado | 10.71.2.4 | 57.12 | The element indicating the default group parameters is the EDP element, not the EGPA | Change phrase to refer to the EDP element | ACCEPTED9.4.2.337 is clear on this point:***9.4.2.337 Enhanced Data Privacy (EDP) element****The Enhanced Data Privacy (EDP) element signals epoch parameters in protected Action(#Ed) frames. The EDP element signals the default privacy epoch parameters in the protected Association Response frame.* |
| *1093* | Julien Sevin | 10.71.2.4 | 57.12 | The protection of the protected Association Response frame is not clear | Please clarify the protection of the protected Association Response frame | REVISEDIn previous clauses, we have concluded that the word ‘protected’ was not needed. |
| *1343* | Mark RISON | 10.71.2.4 | 57.12 | "The protected Association Response frame " -- what's a protected assocrsp frame? | Clarify | REVISEDSame as 1093 |
| 1344 | Mark RISON | 10.71.2.4 | 57.13 | "Group Enhanced Privacy Element. " should be "...element". Ditto " Enhanced Group Privacy Availability Element" next para | As it says in the comment | ACCEPTED |
| 1172 | Patrice Nezou | 10.71.2.4 | 57.16 | "After the affiliated STAs of the non-AP MLD have associated, ..." . "have" should be replaced by "is" | As in comment | REVISEDThe affiliated STA should also be singular |
| 1345 | Mark RISON | 10.71.2.4 | 57.16 | "nds to the CPE non-AP MLD one or more protected action frames" -- too vague. Which frames exactly? | As it says in the comment | REVISEDIn 24/1371, we decided to call the frame EDP Group Parameters frame |
| 1094 | Julien Sevin | 10.71.2.4 | 57.19 | The term "specific" of the "non-AP MLD Specific Epoch Setting action frame " is confusing | Please clarify the term "specific" | REJECTEDNon-AP MLD Specific Epoch Setting is the name of the acton frame, as defined in 9.4.2.341. Once we have a proposal for all the action frames, it may get a better name |
| 1346 | Mark RISON | 10.71.2.4 | 57.19 | "sending a non-AP MLD Specific Epoch Setting action frame." -- no "action". And is "non-AP" part of the frame name? If so, should be "Non-AP", if not, should be deleted | As it says in the comment | REVISED |
| 1173 | Patrice Nezou | 10.71.2.4 | 57.20 | "... a non-AP MLD Specific Epoch Setting action frame." should be "a non-AP MLD Specific EDP Epoch Setting action frame." Please harmonize wording | As in comment | REJECTEDThe frame is mentioned twice in draft 04., once in 9.4.2.337 and once in 9.4.2.341, and in both cases ‘EDP’ is not there. |

**Discussion:**

CID1065

Accepted

~~A CPE non-AP STA signals support for group EDP epoch by setting the Group EDP Epoch Supported field in the RSNXE in the (Re)Association Request Frame.~~ (#1341)

If a CPE AP MLD supports group EDP epoch and receives a (Re)Association Request frame with the Group EDP Epoch Supported field set, then the AP MLD shall assign the CPE non-AP MLD to the default group EDP Epoch if association succeeds.

CID1341

Revised

The protected Association Response frame provides the default group EDP information in the EDP ~~Epoch Settings field of the Group Enhanced Privacy~~ (#1065) Element.

CID1093, 1343

Revised

The ~~protected~~ (#1093, 1343) Association Response frame provides the default group EDP information in the EDP ~~Epoch Settings field of the Group Enhanced Privacy~~ (#1065) Element.

CID1344

Revised

The ~~protected~~ (#1093, 1343) Association Response frame provides the default group EDP information in the EDP ~~Epoch Settings field of the Group Enhanced Privacy~~ (#1065) element (#1344).

After the affiliated STAs of the non-AP MLD have associated, the CPE AP MLD sends to the CPE non-AP MLD one or more protected Action(#Ed) frames that include the Enhanced Group Privacy Availability element (#1344), to signal the list of group EDP epochs supported in the BSS. The non-AP MLD may request to join another group EDP epoch, or provide EDP epoch settings, by sending a non-AP MLD Specific Epoch Setting action frame.

CID1172

Revised

After the affiliated STA~~s~~ of the non-AP MLD ~~have~~ is (#1172) associated, the CPE AP MLD sends to the CPE non-AP MLD one or more protected Action(#Ed) frames that include the Enhanced Group Privacy Availability element (#1344), to signal the list of group EDP epochs supported in the BSS. The non-AP MLD may request to join another group EDP epoch, or provide EDP epoch settings, by sending a non-AP MLD Specific Epoch Setting action frame.

CID1345

Revised

After the affiliated STA~~s~~ of the non-AP MLD ~~have~~ is (#1172) associated, the CPE AP MLD sends to the CPE non-AP MLD one or more EDP Group Parameters frames ~~protected Action(#Ed)~~ ~~frames that include the Enhanced Group Privacy Availability element (#1344),~~ (#1345) to signal the list of group EDP epochs supported in the BSS. The non-AP MLD may request to join another group EDP epoch, or provide EDP epoch settings, by sending a non-AP MLD Specific Epoch Setting action frame.

CID1346

Accepted

After the affiliated STA~~s~~ of the non-AP MLD ~~have~~ is (#1172) associated, the CPE AP MLD sends to the CPE non-AP MLD one or more EDP Group Parameters frames ~~protected Action(#Ed)~~ ~~frames that include the Enhanced Group Privacy Availability element (#1344),~~ (#1345) to signal the list of group EDP epochs supported in the BSS. The non-AP MLD may request to join another group EDP epoch, or provide EDP epoch settings, by sending a Non-AP MLD Specific Epoch Setting ~~action~~ (#1346) frame.

**Proposal:**

*TGbi editor: Modify Clause 10.71.2.4 as follows (track change on):*

**10.71.2.4 Group EDP epoch setup**

If a CPE AP MLD supports group EDP epoch and receives a (Re)Association Request frame with the Group EDP Epoch Supported field set, then the AP MLD shall assign the CPE non-AP MLD to the default group EDP Epoch if association succeeds.

The (#1093, 1343) Association Response frame provides the default group EDP information in the EDP (#1065) element (#1344).

After the affiliated STA of the non-AP MLD is (#1172) associated, the CPE AP MLD sends to the CPE non-AP MLD one or more EDP Group Parameter frames (#1345) to signal the list of group EDP epochs supported in the BSS. The non-AP MLD may request to join another group EDP epoch, or provide EDP epoch settings, by sending a Non-AP MLD Specific Epoch Setting (#1346) frame.