IEEE P802.11
Wireless LANs

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| CC36-Resolution-for-clause-35.11.2.2 |
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Abstract

This submission proposes CR for CIDs 4436, 4437, 4438, 4439, 4440, 4441, 4442, 4443, 4444, 4445, 4446, 4447, 4494, 4495 (CC36).

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 TGbe Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGbe Editor: Editing instructions preceded by “TGbe Editor” are instructions to the TGbe editor to modify existing material in the TGbe draft. As a result of adopting the changes, the TGbe editor will execute the instructions rather than copy them to the TGbe Draft.***

| **CID** | **Commenter** | **Pg/Ln** | **Section** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- | --- |
| 4436 | Arik Klein | 306/13 | 35.11.2.2.1 | In Figure 35-19, on the Recipient side, need to switch between the right-hand column (designated as "MLD or non-AP EHT STA MAC") and the left-hand column (designated as "MLD or non-AP EHT STA SME"), since the frames are exchanged between MAC entities of peer MLD/non-AP EHT STA | As in comment | **Revised**Agree in principle with the comment. Correct Figure 35-22 (in D1.01) as requested by the commenter.**TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4436.** |
| 4437 | Arik Klein | 306/50 | 35.11.2.2.2.1 | As opposed to stated in the following sentence "The initiating non-AP MLD or non-AP EHT STA shall transmit an NSEP Priority Access Enable Request frame to an associated AP MLD with dot11EHTNSEPPriorityAccessActivated" the non-AP MLD does not transmit any frame - this is done solely by any of the affiliated non-STAs. | Please revise the sentence as follows:"One of the non-AP STA affiliated with the initiating non-AP MLD or the non-AP EHT STA shall transmit an NSEP Priority Access Enable Request frame (9.6.35.5 (NSEP Priority Access Enable Request frame format(#1119)(#1488))) | **Revised**Agree in principle with the comment.Apply the proposed change for both non-AP MLD and AP MLD that are mentioned in the sentence.**TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4437** |
| 4439 | Arik Klein | 306/58 | 35.11.2.2.2.1 | As opposed to stated in the following sentence "If the initiating non-AP MLD or non-AP EHT STA receives an NSEP Priority Access Enable Response frame..." the non-AP MLD does not receive any frame - this is done solely by any of the affiliated non-STAs. | Please revise the sentence as follows:"If one of the non-AP STAs affiliated with the initiating non-AP MLD or the non-AP EHT STA receives an NSEP Priority Access Enable Response frame..." | **Accepted****TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4439** |
| 4440 | Arik Klein | 307/4 | 35.11.2.2.2.1 | As opposed to stated in the following sentence "If the initiating non-AP MLD or non-AP EHT STA receives an NSEP Priority Access Enable Response frame..." the non-AP MLD does not receive any frame - this is done solely by any of the affiliated non-STAs. | Please revise the sentence as follows:"If one of the non-AP STAs affiliated with the initiating non-AP MLD or the non-AP EHT STA receives an NSEP Priority Access Enable Response frame..." | **Accepted****TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4440** |
| 4442 | Arik Klein | 307/21 | 35.11.2.2.2.1 | As opposed to stated in the following sentence "The initiating non-AP MLD or non-AP EHT STA shall transmit an NSEP Priority Access Teardown frame to an associated AP MLD with dot11EHTNSEPPriorityAccessActivated set to true. " the non-AP MLD does not transmit any frame - this is done solely by any of the affiliated non-STAs. | Please revise the sentence as follows:"One of the non-AP STA affiliated with the initiating non-AP MLD or the non-AP EHT STA shall transmit an NSEP Priority Access Teardown frame (9.6.35.5 (NSEP Priority Access Enable Request frame format(#1119)(#1488))) to an AP affiliated with the associated AP MLD with dot11EHTNSEPPriorityAccessActivated set to true that is operating on the same link. " | **Accepted****TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4442** |
| 4443 | Arik Klein | 307/40 | 35.11.2.2.2.2 | As opposed to stated in the following sentence "The initiating AP MLD shall transmit an NSEP Priority Access Enable Request frame to an associated non-AP MLD or non-AP EHT STA with dot11EHTNSEPPriorityAccessActivated set to true. " the AP MLD does not transmit any frame - this is done solely by any of the affiliated APs. | Please revise the sentence as follows:"An AP affiliated with the initiating AP MLD shall transmit an NSEP Priority Access Enable Request frame to an associated non-AP MLD or non-AP EHT STA with dot11EHTNSEPPriorityAccessActivated set to true. " | **Accepted****TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4443** |
| 4445 | Arik Klein | 307/48 | 35.11.2.2.2.2 | As opposed to stated in the following sentence "If the initiating AP MLD receives an NSEP Priority Access Enable Response frame with a matching dialog token and a value of SUCCESS in the Status Code field, ..... " the AP MLD does not receive any frame - this is done solely by any of the affiliated APs. | Please revise the sentence as follows:"If \*one of the APs affiliated with\* the initiating AP MLD receives an NSEP Priority Access Enable Response frame with a matching dialog token and a value of SUCCESS in the Status Code field, ..... " | **Accepted****TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4445** |
| 4446 | Arik Klein | 307/57 | 35.11.2.2.2.2 | As opposed to stated in the following sentence "If the initiating AP MLD receives an NSEP Priority Access Enable Response frame with a matching dialog token and a value not equal to SUCCESS in the Status Code field, ..... " the AP MLD does not receive any frame - this is done solely by any of the affiliated APs. | Please revise the sentence as follows:"If \*one of the APs affiliated with\* the initiating AP MLD receives an NSEP Priority Access Enable Response frame with a matching dialog token and a value not equal to SUCCESS in the Status Code field, ..... " | **Accepted****TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4446** |
| 4447 | Arik Klein | 308/12 | 35.11.2.2.1 | As opposed to stated in the following sentence "The initiating AP MLD may transmit an NSEP Priority Access Teardown frame to an associated non-AP MLD or non-AP EHT STA with dot11EHTNSEPPriorityAccessActivated set to true. " the AP MLD does not transmit any frame - this is done solely by any of the affiliated APs. | Revise the sentence as follows:"\*An AP affiliated with \* the initiating AP MLD may transmit an NSEP Priority Access Teardown frame to an associated non-AP MLD or non-AP EHT STA with dot11EHTNSEPPriorityAccessActivated set to true. " | **Accepted****TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4447** |
| 4438 | Arik Klein | 306/54 | 35.11.2.2.2.1 | If the intention of the sentence "The destination of the NSEP Priority Access Enable Request frame is the AP MLD" is that the NSEP Priority Access Enable Request frame will include the AP MLD MAC address - need to add the MLE into the NSEP Priority Access Enable Request frame format. The RA can't include the MLD MAC address but only the MAC address of the AP affiliated with the AP MLD. | Please add the MLE to the NSEP Priority Access Enable Request frame format or clarify the meaining of this sentence. | **Revised**Agree in principle with the comment. Revise the sentence to precisely specify the MAC address included in the RA field of the NSEP Priority Access Enable Request frame. Similar revision is updated for the same sentence that refers to NSEP Priority Access Teardown frame.**TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4438.** |
| 4444 | Arik Klein | 307/45 | 35.11.2.2.2.2 | Please elaborate what does "destination" mean in the following sentence:"The destination of the NSEP Priority Access Enable Request frame is the non-AP MLD" - if it refers to the value in RA of the NSEP Priority Access Enable Request frame, then it should refer to the MAC address of the non-AP STA affiliated with the non-AP MLD operating on the link on which the NSEP Priority Access Enable Request frame is sent.... | Please clarify or correct the sentence, as proposed in the comment. | **Revised**Agree in principle with the comment. Revise the sentence to precisely specify the MAC address included in the RA field of the NSEP Priority Access Enable Request frame.Similar revision is updated for the same sentence that refers to NSEP Priority Access Teardown frame**TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4444** |
| 4441 | Arik Klein | 307/10 | 35.11.2.2.2.1 | The sentence "The initiating non-AP MLD or non-AP EHT STA shall not apply NSEP priority access procedure " is not clear as a stand-alone sentence. | Please revise the sentence as follows:" \*In this case,\* the initiating non-AP MLD or non-AP EHT STA shall not apply NSEP priority access procedure" | **Revised**Agree in principle with the comment..**TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4441** |
| 4494 | Arik Klein | 306/47 | 35.11.2.2.2.1 | Add "s" after the word "equal" in the following sentence:" a non-AP MLD or non-AP EHT STA with dot11EHTNSEPPriorityAccessActivated equal to true ..." | As in comment | **Accepted****TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4494** |
| 4495 | Arik Klein | 308/5 | 35.11.2.2.2.1 | Add "s" after the word "equal" in the following sentence:" An AP MLD with dot11EHTNSEPPriorityAccessActivated equal to true ..." | As in comment | **Accepted****TGbe Editor, please implement changes as shown in doc 11-21/PPPPr0 tagged as 4495** |

## Discussion

TBD

*TGbe editor: Please note baseline is 11be D1.01*

35.12.2.2.1 General

[CID 4436]

*TGbe editor: Replace the following figure with the existing Figure 35-22 (NSEP priority access setup):*



Figure 35-22—NSEP priority access setup (#4436)

## 35.12.2.2.2 Procedure at the originator

## 35.12.2.2.2.1 Initiated by the non-AP MLD or non-AP EHT STA

***TGbe editor: Please update the paragraphs in this subclause as shown below:***

When instructed to do so by a higher layer function and upon receipt of an MLME-NSEPPRIACCESSENABLE.request primitive, a non-AP MLD or non-AP EHT STA with dot11EHTNSEPPriorityAccessActivated [CID 4494] equals to true and with NSEP priority access disabled shall enable NSEP priority access using the following procedure.

a) [CID 4437] (#1119)(#1488)(#1472)One of the non-AP STAs affiliated with the initiating non-AP MLD or non-AP EHT STA shall transmit an NSEP Priority Access Enable Request frame (9.6.35.5 (NSEP Priority Access Enable Request frame format(#1119)(#1488))) to an AP affiliated with the associated AP MLD with dot11EHTNSEPPriorityAccessActivated set to true.
[CID 4438] The destination of the NSEP Priority Access Enable Request frame is the MAC address of the AP that transmits the Beacon frame which includes the MLE containing both Link ID (of the Link ID Info) equals to the Link ID of the operating link (on which the NSEP Priority Access Enable Request frame is transmitted) and the AP MLD MAC Adress indicated by the value of the PeerSTAAddress parameter in the MLME- NSEPPRIACCESSENABLE.request primitive.

b) [CID 4439] (#1119)(#1488)If the the non-AP STA affiliated with the initiating non-AP MLD or non-AP EHT STA receives an NSEP Priority Access Enable Response frame (9.6.35.6 (NSEP Priority Access Enable Response frame format(#1119)(#1488))) with a matching dialog token and a value of SUCCESS in the Status Code field, then the initiating non-AP MLD or non-AP EHT STA shall issue an MLME- NSEPPRIACCESSENABLE.confirm primitive with a value of SUCCESS in the Status Code field indicating successful enabling of NSEP priority access. The initiating non-AP MLD or non-AP EHT STA shall enable NSEP priority access so that subsequently transmitted traffic receives NSEP priority access treatment using the procedure defined in 35.12.3 (NSEP priority access procedure).

c) [CID 4440] (#1119)(#1488)(#1708)If one of the non-AP STAs affiliated with the the initiating non-AP MLD or non-AP EHT STA receives an NSEP Priority Access Enable Response frame (9.6.35.6 (NSEP Priority Access Enable Response frame format(#1119)(#1488))) with a matching dialog token and a value not equal to SUCCESS in the Status Code field, then the initiating non-AP MLD or non-AP EHT STA shall issue an MLME- NSEPPRIACCESSENABLE.confirm primitive with the status code from the response frame indicating the failure to enable NSEP priority access. [CID 4441] In this case, the initiating non-AP MLD or non-AP EHT STA shall not apply NSEP priority access procedure. The higher layer function that triggers the NSEP priority access is responsible for managing reattempts after receiving responses with a value other than SUCCESS.

When instructed to do so by a higher layer function and upon receipt of an MLME-NSEPPRIACCESSTEARDOWN.request primitive, a non-AP MLD or non-AP EHT STA with dot11EHTNSEPPriorityAccessActivated set to true and with NSEP priority access enabled shall disable NSEP priority access using the following procedure.

a) [CID 4442] (#1127) One of the non-AP STAs affiliated with the initiating non-AP MLD or non-AP EHT STA shall transmit an NSEP Priority Access Teardown frame (9.6.35.5 (NSEP Priority Access Enable Request frame format(#1119)(#1488))) to an AP affiliated with the associated AP MLD with dot11EHTNSEPPriorityAccessActivated set to true. [CID 4438] The destination of the NSEP Priority Access Teardown frame is the MAC address of the AP that transmits the Beacon frame which includes the MLE containing both Link ID (of the Link ID Info) equals to the Link ID of the operating link (on which the NSEP Priority Access Teardown frame is transmitted) and the AP MLD MAC Adress indicated by the value of the PeerSTAAddress parameter in the MLME-NSEPPRIACCESSTEARDOWN.request primitive. The initiating non-AP MLD or non-AP EHT STA shall disable NSEP priority access so that subsequently transmitted traffic does not receive NSEP priority access treatment.

## Initiated by the AP MLD

***TGbe editor: Please update the paragraphs in this subclause as shown below:***

An AP MLD with dot11EHTNSEPPriorityAccessActivated equal to true and with NSEP priority access disabled may have the functionality to enable NSEP priority access. When triggered via an external interface, and upon receipt of an MLME-NSEPPRIACCESSENABLE.request primitive, an AP MLD that supports this functionality shall enable NSEP priority access using the following procedure:

NOTE 1—The definition of the external interface is out of the scope of this standard.

[CID 4443] (#1119)(#1488)(#1472) An AP affiliated with the initiating AP MLD shall transmit an NSEP Priority Access Enable Request frame (9.6.35.5 (NSEP Priority Access Enable Request frame format(#1119)(#1488))) to an associated non-AP MLD or non-AP EHT STA with dot11EHTNSEPPriorityAccessActivated set to true. [CID 4444] The destination of the NSEP Priority Access Enable Request frame is the non-AP EHT STA indicated by the value of the PeerSTAAddress parameter in the MLME- NSEPPRIACCESSENABLE.request primitive or the MAC address of the non-AP STA that is operating on the same link on which the NSEP Priority Access Enable Request frame is transmitted and is affiliated with the non-AP MLD whose MAC address value is indicated by the value of the PeerSTAAddress parameter in the MLME- NSEPPRIACCESSENABLE.request primitive.

[CID 4445] (#1119)(#1488)If one of the APs affiliated with the initiating AP MLD receives an NSEP Priority Access Enable Response frame (9.6.35.6 (NSEP Priority Access Enable Response frame format(#1119)(#1488))) with a matching dialog token and a value of SUCCESS in the Status Code field, then the initiating AP MLD shall issue an MLME-NSEPPRIACCESSENABLE.confirm primitive with a value of SUCCESS in the Status Code field indicating successful enabling of NSEP priority access. The initiating AP MLD shall enable NSEP priority access so that subsequently transmitted traffic receives NSEP priority access treatment using the procedure defined in [35.12.3 (NSEP priority access procedure)](#bookmark64).

[CID 4446] (#1119)(#1488)(#1708)If one of the APs affiliated with the initiating AP MLD receives an NSEP Priority Access Enable Response frame (9.6.35.6 (NSEP Priority Access Enable Response frame format(#1119)(#1488))) with a matching dialog token and a value not equal to SUCCESS in the Status Code field, then the initiating AP MLD shall issue an MLME-NSEPPRIACCESSENABLE.confirm primitive with the status code from the response frame indicating the failure to enable NSEP priority access. The initiating AP MLD shall not apply the NSEP priority access procedure. The external interface that triggers the NSEP priority access is responsible for managing reattempts after receiving responses with a value other than SUCCESS.

An AP MLD with dot11EHTNSEPPriorityAccessActivated [CID 4495] equals to true and with NSEP priority access enabled may have the functionality to teardown NSEP priority access. When triggered via an external interface, and upon receipt of an MLME-NSEPPRIACCESSTEARDOWN.request primitive, an AP MLD that supports this functionality shall disable NSEP priority access using the following procedure.

NOTE 2—The definition of the external interface is out of scope of this standards.

[CID 4447] (#1127)An AP affiliated with the initiating AP MLD may transmit an NSEP Priority Access Teardown frame (9.6.35.7 (NSEP Priority Access Teardown frame details(#1127))) to an associated non-AP MLD or non-AP EHT STA with dot11EHTNSEPPriorityAccessActivated set to true. [CID 4444] The destination of the NSEP Priority Access Teardown frame is the non-AP EHT STA indicated by the value of the PeerSTAAddress parameter in the MLME-NSEPPRIACCESSTEARDOWN.request primitive or the MAC address of the non-AP STA that is operating on the same link on which the NSEP Priority Access Teardown frame is transmitted and is affiliated with the non-AP MLD whose MAC address value is indicated by the value of the PeerSTAAddress parameter in the MLME-NSEPPRIACCESSTEARDOWN.request primitive. The initiating AP MLD shall disable NSEP priority access so that traffic subsequently transmitted to the indicated non-AP MLD or non-AP EHT STA does not receive NSEP priority access treatment.

Straw Poll:

Do you support to incorporate the proposed draft text in this document 11-21/XXXXr0 with to the next revision of TGbe Draft 1.1, for addressing the following CIDs: 4436, 4437, 4438, 4439, 4440, 4441, 4442, 4443, 4444, 4445, 4446, 4447, 4494, 4495?

Result: Yes/No/Abstain