IEEE P802.11
Wireless LANs

|  |
| --- |
| 11be D2.0 CR for Miscellaneous CIDs III |
| Date: 2022-12-13 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Po-Kai Huang | Intel |  |  |  |

Abstract

This submission proposes resolutions for the following CIDs:

11965

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: revision based on discusson during the teleconference

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 D2.0 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe D2.0 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** | **Clause** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 11965 | Jarkko Kneckt |   | 0.00 | 802.11be does not define whether radio measurements are done in MLD level or in link level. | Please add a table that lists whether a measurement is done in MLD level or the measurement is link specific. Maybe some measurements may be |  Revised – Based on offline discussion, the commenter wants to clarify the following 3 types of frames. 1. Vendor specific measurement
2. WNM Log

                3 Event reporting For 1, vendor specific frame should have vendor specific definition. For 2, WNM log is under event request/report, so consider it together with 3.For 3, by looking at the spec, we can have event request with one or more event request element. For the event itself, there are obvious cases like RSNA that will fall under MLD report but we also have BSS color collision that will fall under per link report. A simpler fix will be to clarify that for the following MLD report is provided when corresponding request element is provided in event request frame (all the corresponding functionalities are defined for MLD)* Transition
* RSNA
* WNM log

TGbe editor to make the changes shown in 11-22/2165r1 under all headings that include CID 11965 |

**Discussion: None**

**----------------------------------------proposed change for 11965 --------------------------------------------**

***TGbe editor:******Modify 11.21 as follows (track change on).***

* **Event request and report procedures**
* **Transition event request and report**

The Transition Event report provides information on the previous transition events for a given non-AP STA (for non-MLO) or non-AP MLD (for MLO). The Transition Event request and report are only permitted in the infrastructure BSS.

Each STA supporting the Transition Event shall log up to the last five Transition events occurring since the STA (for non-MLO) or the MLD (for MLO), with which the STA is affiliated, associated to the ESS. A STA may log more than five of the most recent Transition events.

Upon receipt of an Event Request frame containing an Event Request element including a Transition Event request, the non-AP STA shall respond with an Event Report frame that includes available Event Report elements within the ESS of which the transmitting STA (for non-MLO) or the MLD (for MLO), with which the transmitting STA is affiliated, is a member for the Transition event type.

…(existing texts)….

* + - 1. RSNA event request and report

The RSNA Event Report provides authentication events for a given non-AP STA (for non-MLO) or a non-AP MLD (for MLO). The RSNA Event Request and Report are only permitted in an infrastructure BSS.

Each STA supporting the RSNA Event shall log up to the last five RSNA events occurring since the STA (for non-MLO) or the MLD (for MLO), with which the STA is affiliated, associated to the ESS. A STA may log more than five of the most recent RSNA events.

Upon receipt of an Event Request frame containing an Event Request element including an RSNA Event request, the non-AP STA shall respond with an Event Report frame that includes available Event Report elements within the ESS of which the transmitting STA (for non-MLO) or the MLD (for MLO), with which the transmitting STA is affiliated, is a member for the RSNA event type.

…(existing texts)….

* + - 1. **WNM log event request and report**

…(existing texts)….

The WNM log is particularly useful for logging success or failure events across areas such as driver status, IEEE 802.11 or IEEE 802.1X authentication, authorization, status changes while associated or unassociated.

For example:

<0>Oct 03 17:47:00 00:01:02:03:04:05 Adapter DLL Service initialized

<1>Oct 03 17:48:40 00:01:02:03:04:05 Authentication started

<1>Oct 03 17:48:46 00:01:02:03:04:05 IEEE 802.1X Authentication Failed, credential failure

<1>Oct 03 17:49:00 00:01:02:03:04:05 Authentication success

A non-AP STA that supports event reporting may be queried at any time for its current set of WNM log messages. The WNM log messages returned by the non-AP STA may provide insight into the trouble being experienced by the non-AP STA (for non-MLO) or the non-AP MLD (for MLO), with which the non-AP STA is affiliated.

…(existing texts)….