IEEE P802.11
Wireless LANs

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| Bug fix – MLME-SENSREPORTRQ primitives |
| Date: 2023-09-15 |
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**Abstract**

This document addresses a technical issue mentioned during offline discussions about MLME-SENSREPORTRQ primitives.

R0: initial version on Sept 13, 2023.

R1: revised version on Sept 19, 2023. Changed DCN in SP text.

**Discussions:**

* In D2.0, the parameters within an MLME-SENSREPORTRQ.indication primitive are given as



* which is not complete. The .indication primitive is issued at the MLME of the **sensing initiator** when it receives the Sensing Measurement Report. Therefore, the .indication primitive should contain a SensingMeasurementReportContainer parameter to pass on the measurements to the SME of the sensing initiator.
* In D2.0, the parameters within an MLME-SENSREPORTRQ.confirm primitive are given as



* which is not correct. The .confirm primitive is issued at the MLME of the **sensing responder** when it successfully transmits the Sensing Measurement Report. So, the sensing responder may release the resources. Therefore, the . confirm primitive does not need to deliver a SensingMeasurementReportContainer parameter to the SME again.
* Somehow, the parameters within these two primitives were swapped in D2.0. Now, we need to swap them back.

**Modifications:**

***To TGbf editor: Please modify 6.5.25.1.3.2 on P25-P26 as follows.***

**6.5.25.1.3 MLME-SENSREPORTRQ.confirm**

**6.5.25.1.3.1 Function**

This primitive reports the results of a request to transmit a Sensing Measurement Report frame.

**6.5.25.1.3.2 Semantics of the service primitive**

The primitive parameters are as follows:

MLME-SENSREPORTRQ.confirm(

PeerSTAAddress,

MeasurementSessionID,

MeasurementExchangeID,

~~SensingMeasurementReportContainer~~

)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| PeerSTAAddress | MAC address | Any valid individual MAC address | Specifies the MAC address of the sensing initiator to which the Sensing Measurement Report frame is sent. |
| MeasurementSessionID | Integer | As defined in Figure 9-1137c (MeasurementSession ID Indication field format) | Identifies the sensing measurement session for the Sensing Measurement Report frame that was sent. |
| MeasurementExchangeID | Integer | As defined in 11.55.1.5.1 (General) | Identifies the sensing measurement exchange for the Sensing Measurement Report frame that was sent. |
| ~~SensingMeasurementReportContainer~~ | ~~As defined in 9.4.1.73 (Sensing Measurement~~~~Report Container field).~~ | ~~As defined in 9.4.1.73 (Sensing Measurement Report Container field).~~ | ~~As defined in 9.4.1.73 (Sensing Measurement Report Container field).~~ |

***To TGbf editor: Please modify 6.5.25.1.4.2 on P26 as follows.***

**6.5.25.1.4 MLME-SENSREPORTRQ.indication**

**6.5.25.1.4.1 Function**

This primitive indicates that a Sensing Measurement Report frame has been received.

**6.5.25.1.4.2 Semantics of the service primitive**

The primitive parameters are as follows:

MLME-SENSREPORTRQ.indication(

PeerSTAAddress,

SensingMeasurementReportContainer

~~MeasurementSessionID,~~

~~MeasurementExchangeID,~~

)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| PeerSTAAddress | MAC address | Any valid individual MAC address | Specifies the MAC address of the sensing initiator to which the Sensing Measurement Report frame is sent. |
| SensingMeasurementReportContainer | As defined in 9.4.1.73 (Sensing MeasurementReport Container field). | As defined in 9.4.1.73 (Sensing Measurement Report Container field). | As defined in 9.4.1.73 (Sensing Measurement Report Container field). |
| ~~MeasurementSessionID~~ | ~~Integer~~ | ~~As defined in Figure 9-1137c (Measurement~~~~Session ID Indication field format)~~ | ~~Identifies the sensing measurement session for the Sensing Measurement Report frame that was sent.~~ |
| ~~MeasurementExchangeID~~ | ~~Integer~~ | ~~As defined in 11.55.1.5.1 (General)~~ | ~~Identifies the sensing measurement exchange for the Sensing Measurement Report frame that was sent.~~ |

SP:

Do you agree to include the proposed draft text in DCN 23/1648r1 in the latest 11bf Draft?

Y/N/A