IEEE P802.11
Wireless LANs

|  |
| --- |
| LB173 Interworking Resolutions |
| Date: 2011-03-11 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Company | Address | Phone | Email |
|  |  |  |  |  |
| Ganesh Venkatesan | Intel Corp | 2111 NE 25th Ave, Hillsboro, OR | +1-503-334-6720 | Ganesh.Venkatesan@intel.com |
|  |  |  |  |  |

Abstract

This submission contains the normative text related to Resolving LB173 comments related to the Interworking category. This document is based on 802.11aa Draft 3.01. Editorial instructions are relative to the contents of 802.11aa Draft 3.01.

6.3.26.aa9 MLME-ADDTSRESERVE.request

TGaa Editor: Verify that ‘AP initiated TS setup’ is consistently used in the amendment. D3.01 has ‘AP Initiated TS setup’, ‘AP initiated TS Setup’ and other combinations.

Insert the following figure:



**Figure 6-aa—ADDTSReserve primitives and corresponding action frames**

6.3.26.aa9.1 Function

This primitive is used by the SME at the AP to start the AP initiated TS setup procedure.

6.3.26.aa9.2 Semantics of the service primitive

The primitive parameters are as follows:

MLME-ADDTSRESERVE.request (

TSPEC,

HigherLayerStreamID,

Schedule

VendorSpecificInfo

)

|  |  |  |  |
| --- | --- | --- | --- |
| Name  | Type  | Valid Range | Description |
| TSPEC | TSPEC element | As defined in 8.4.2.32. | Specifies the QoS parameters of the TS. |
| HigherLayerStreamID | Higher Layer Stream ID element | As defined in **Error! Reference source not found.** | Stream Identifier assigned by a Higher Layer protocol. |
| Schedule | Schedule element | As defined in 8.4.2.36 | Specifies the schedule information, service start time, SI, and the specification interval. |
| VendorSpecificInfo | A set of elements | As defined in 8.4.2.28 | Zero or more elements. |

6.3.26.aa9.3 When generated

This primitive is generated by the SME at the AP to start the AP initiated TS setup procedure. If the parameter validation on the parameters used in this primitive succeeds, an ADDTS Reserve Request action frame is transmitted from the AP to a non-AP STA.

6.3.26.aa9.4 Effect of receipt

The STA operates according to the procedures defined in **Error! Reference source not found.**.

6.3.26.aa10 MLME-ADDTSRESERVE.confirm

6.3.26.aa10.1 Function

This primitive is an indication to the SME. It is generated by the MLME

* if parameters in the ADDTSRESERVE.Request are invalid, or
* as a result of receiving an ADDTS Reserve Response action frame from the non-AP STA to which the AP sent a corresponding ADDTS Reserve Request action frame

6.3.26.aa10.2 Semantics of the service primitive

The primitive parameters are as follows:

MLME-ADDTSRESERVE.confirm (

ResultCode,

HigherLayerStreamID

)

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Valid Range | Description |
| ResultCode | Enumeration | SUCCESS, INVALID\_PARAMETERS, FAILURE | Indicates the results of the corresponding MLMEADDTSReserve.request primitive. |
| HigherLayerStreamID | Higher Layer Stream ID element | As defined in **Error! Reference source not found.** | Stream Identifier specified in the corresponding ADDTSReserve.request. |

6.3.26.aa10.3 When generated

This primitive is generated by the MLME as a result of receiving an ADDTS Reserve Response action frame from the non-AP STA to which the AP sent a corresponding ADDTS Reserve Request action frame or on detection of invalid parameters in the MLME-ADDTSRESERVE.request primitive.

6.3.26.aa10.4 Effect of receipt

The SME is notified of the results of the AP Initiated TS Setup procedure.

6.3.26.aa11 MLME-ADDTSRESERVE.indication

6.3.26.aa11.1 Function

This primitive reports to the non-AP STA’s SME the initiation of AP Initiated TS Setup procedure.

6.3.26.aa11.2 Semantics of the service primitive

The primitive parameters are as follows:

MLME-ADDTSRESERVE.indication (

APAddress,

TSPEC,

Schedule,

HigherLayerStreamID,

VendorSpecificInfo

)

|  |  |  |  |
| --- | --- | --- | --- |
| Name  |  Type | Valid Range  |  Description |
| APAddress | MAC Address  |  | Contains the MAC address of the AP initiating the TS Setup procedure  |
| TSPEC | TSPEC element  | As defined in 8.4.2.32 | Specifies the QoS parameters of the TS. |
| Schedule | Schedule element  | As defined in 8.4.2.36 | Specifies the schedule information, service start time, SI, and the specification interval. |
| HigherLayerStreamID | Higher Layer Stream ID element | As defined in **Error! Reference source not found.** | Stream Identifier in the received ADDTS Reserve Request action frame. |
| VendorSpecificInfo | A set of information elements | As defined in 8.4.2.28 (VendorSpecific information element) | Zero or more information elements. |

6.3.26.aa11.3 When generated

This primitive is generated by the MLME at the non-AP STA as a result of the receipt of a ADDTS Reserve action frame from the AP to which the non-AP STA is associated.

6.3.26.aa11.4 Effect of receipt

The SME is notified of the receipt of the ADDTS Reserve action frame from the AP. This primitive solicits the SME to participate in the AP initiated TS Setup procedure.

The SME should operate according to the procedures defined in **Error! Reference source not found.** (AP initiated TS Setup).

6.3.26.aa12 MLME-ADDTSRESERVE. response

6.3.26.aa12.1 Function

This primitive request is used by a non-AP STA to indicate to the HC the completion of an AP initiatedTS setup procedure.

6.3.26.aa12.2 Semantics of the service primitive

The primitive parameters are as follows:

MLME-ADDTSRESERVE.response (

HigherLayerStreamID,

ResultCode,

VendorSpecificInfo

)

|  |  |  |  |
| --- | --- | --- | --- |
| Name  | Type  | Valid Range | Description |
| HigherLayerStreamID | Higher Layer Stream ID element | As defined in **Error! Reference source not found.** | Stream Identifier specified in the corresponding ADDTSReserve.requrest. |
| ResultCode | Enumeration | SUCCESS,REJECTED | Indicates the status of the AP initiated TS Setup procedure |
| VendorSpecificInfo | A set of elements | As defined in 7.3.2.26 | Zero or more elements. |

6.3.26.aa12.3 When generated

This primitive is generated by the SME at the non-AP STA indicating the status of AP initiated TS setup procedureto indicate to a HC that the non-AP STA has setup a TS in response to a higher layer protocol.

6.3.26.aa12.4 Effect of receipt

The STA operates according to the procedures defined in **Error! Reference source not found.**.

Delete Clauses 6.3.26.aa13 and 6.3.26.aa14.