IEEE P802.11
Wireless LANs

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| MLME for eBCS Negotiation |
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Abstract

This submission proposes MLME primitives descriptions related to eBCS Request/Response Procedure.

#

# TGbc Editor: please modify Clause 6 of TGbc D0.1 spec as follows:

## 6 Layer Management

TGbc editor: Please insert the following paragraphs into Clause 6.3 into the newly proposed subclause 6.3.bc1:

6.3.bc1.6 MLME-EBCSNEGOTIATION.request

6.3.bc1.6.1 Function

This primitive supports the signalling of the negotiation of one or more eBCSs with a specified peer MAC entity within an associated AP.

6.3.bc1.6.2 Semantics of the service primitive

The primitive parameters are as follows:

MLME-EBCSNEGOTIATION.request(

 PeerSTAAddress,

 DialogToken,

 eBCSRequest

 )

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| PeerSTAAdress | MAC Address | Any valid individual MAC Address | Specifies the MAC address of the peer MAC entity within an associated AP to which the eBCS Request frame is transmitted |
| DialogToken | Interger | 1-255 | The dialog token to identify the eBCS negotiation transaction |
| eBCSRequest | eBCS Request element | As defined in 9.4.2.bc2 (eBCS Request element) | Specifies the request information for one or more eBCSs |

6.3.bc1.6.3 When generated

This primitive is generated by the SME when a STA wishes to negotiate for one or more eBCSs with a specified peer MAC entity within an associated AP.

6.3.bc1.6.4 Effect of receipt

This primitive initiates an eBCS negotiation procedure. The STA sends an eBCS Request frame to the specified MAC entity within an associated AP. In the case that a response is received from the responder

STA, the MLME subsequently issues an MLME-EBCSNEGOTIATION.confirm primitive that reflects the results.

6.3.bc1.7 MLME-EBCSNEGOTIATION.confirm

6.3.bc1.7.1 Function

This primitive reports the results of the eBCS Negotiation procedure with a specified MAC entity that is within an associated AP.

6.3.bc1.7.2 Semantics of the service primitive

The primitive parameters are as follows:

MLME-EBCSNEGOTIATION.confirm(

 DialogToken,

 eBCSResponse

 )

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| DialogToken | Interger | 1-255 | The dialog token to identify the eBCS negotiation transaction |
| eBCSResponse | eBCS Response element | As defined in 9.4.2.bc3 (eBCS Response element) | The contents of the eBCS Response element in the received eBCS Response frame. |

6.3.bc1.7.3 When generated

This primitive is generated by the MLME as a result of an MLME-EBCSNEGOTIATION.request primitive or receipt of an eBCS Response frame from a peer MAC entity that is within an associated AP.

6.3.bc1.7.4 Effect of receipt

The SME is notified of the results of the eBCS negotiation procedure.

6.3.bc1.8 MLME-EBCSNEGOTIATION.indication

6.3.bc1.8.1 Function

This primitive indicates that a peer MAC entity is requesting eBCS negotiation with a local MAC entity, which is an AP.

6.3.bc1.8.2 Semantics of the service primitive

The primitive parameters are as follows:

MLME-EBCSNEGOTIATION.indication(

 PeerSTAAddress,

 DialogToken,

 eBCSRequest

 )

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| PeerSTAAdress | MAC Address | Any valid individual MAC Address | Specifies the MAC address of the peer MAC entity from which the eBCS Request frame is received |
| DialogToken | Interger | 1-255 | The dialog token to identify the eBCS negotiation transaction |
| eBCSRequest | eBCS Request element | As defined in 9.4.2.bc2 (eBCS Request element) | Specifies the request information for one or more eBCSs |

6.3.bc1.8.3 When generated

This primitive is generated by the MLME as a result of the receipt of an eBCS Request frame from a specific peer MAC entity.

6.3.bc1.8.4 effect of receipt

The SME is notified of the receipt of an eBCS Request frame.

6.3.bc1.9 MLME-EBCSNEGOTIATION.response

6.3.bc1.9.1 Function

This primitive is used to send a response to a specific MAC entity that requested negotiation for one or more eBCSs with the STA that issued this primitive, which is an AP.

6.3.bc1.9.2 Semantics of the service primitive

The primitive parameters are as follows:

MLME-EBCSNEGOTIATION.response(

 PeerSTAAddress,

 DialogToken,

 eBCSResponse

 )

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| PeerSTAAdress | MAC Address | Any valid individual MAC Address | Specifies the MAC address of the peer MAC entity to which the eBCS Response frame is transmitted |
| DialogToken | Interger | 1-255 | The dialog token to identify the eBCS negotiation transaction |
| eBCSResponse | eBCS Response element | As defined in 9.4.2.bc3 (eBCS Response element) | Specifies the results and information of the eBCS negotiation procedure |

6.3.bc1.9.3 When generated

This primitive is generated by the SME of a STA that is an AP as a response to the MLME-EBCSNEGOTIATION.indication primitive.

6.3.bc1.9.4 Effect of receipt

This primitive initiates the transmission of an eBCS Response frame to a specific MAC entity that requested eBCS negotiation.