IEEE P802.11
Wireless LANs

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| Proposed Text for eBCS Info in Clause 6 |
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Abstract

This document describes proposed text for eBCS Info in clause 6.

6 Layer management

6.3 MLME SAP interface

*Insert the following new subclauses:*

6.3.bc1 eBCS Info advertisement

6.3.bc1.1 General

The following MLME primitives support the advertisement of content information and security items for eBCS.

6.3.bc1.2 MLME-EBCSINFO.request

6.3.bc1.2.1 Function

This primitive requests that an eBCS Info be sent. It is valid only at an eBCS transmitter.

6.3.bc1.2.2 Semantics of the service primitive

The primitive parameters are as follows:

MLME-EBCSINFO.request(

eBCSInfoAuthenticationAlgorithm,

PrivateKey,

Certificate,

ContentInformationSet

)

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| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| eBCSInfoAuthenticationAlgorithm | Integer | As defined in 9.6.7.bc.5 (eBCS Info frame format) | Specifies the authentication algorithm of the eBCS Info frame. |
| PrivateKey | Sequence of octets | N/A | Specifies the private key for signature generation. |
| Certificate | Sequence of octets | N/A | Specifies the certificate to be included in the eBCS Info frame. |
| ContentInformationSet | Set of Content Information fields as defined in the eBCS Info frame format | As defined in 9.6.7.bc.5 (eBCS Info frame format) | A set of Content Information fields, each representing a content information eBCS transmitter advertised. |

6.3.bc1.2.3 When generated

This primitive is generated by the SME to request an eBCS Info be sent.

6.3.bc1.2.4 Effect of receipt

On receipt of this primitive, the MLME construct an eBCS Info frame. The STA then attempts to broadcast this to STAs.

6.3.bc1.3 MLME-EBCSINFO.indication

6.3.bc1.3.1 Function

This primitive indicates that an eBCS Info frame was received. It is valid only at an eBCS capable STA.

6.3.bc1.3.2 Semantics of the service primitive

The primitive parameters are as follows:

MLME-EBCSINFO.indication(

PeerSTAAddress,

SequenceNumber,

Timestamp,

eBCSInfoAuthenticationAlgorithm,

Certificate,

ContentInformationSet,

Signature

)

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| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| PeerSTAAddress | MACAddress | Any valid individual MAC address | The address of the STA’s MAC entity from which an eBCS Info frame was received. |
| SequenceNumber | Integer | 0 – 264-1 | Indicates the sequence number of the eBCS Info frame. |
| Timestamp | Integer | 0 – 264-1 | Indicates the timestamp of the eBCS Info frame. |
| eBCSInfoAuthenticationAlgorithm | Integer | As defined in 9.6.7.bc.5 (eBCS Info frame format) | Indicates the authentication algorithm of the eBCS Info frame. |
| Certificate | Sequence of octets | N/A | Indicates the certificate to verify signature. |
| ContentInformationSet | Set of Content Information fields as defined in the eBCS Info frame format | As defined in 9.6.7.bc.5 (eBCS Info frame format) | A set of Content Information fields, each representing a content information eBCS transmitter advertised. |
| Signature | Sequence of octets | N/A | Indicates the signature |

6.3.bc1.3.3 When generated

This primitive is generated by the MLME when an eBCS Info frame is received.

6.3.bc1.3.4 Effect of receipt

On receipt of this primitive, the SME operates according to the procedure in 11.bc2.3 (eBCS Info frame generation and usage).