IEEE P802.11
Wireless LANs

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| Editorial Corrections |
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Abstract

The submission uses track changes to solve some editorial errors in D2.1.

D2.1 has many missing spaces between words. These errors are not shown here.

**3.2 Definitions specific to IEEE Std 802.11**

*Instructions to Editor: ActiveScanningTimer was present in the approved 14-765r7, but missing from D2.1*

ActiveScanningTimer A timer to measure the time to receive Probe Response, Beacon, FILS Discovery or Measurement Pilot frames in order to discover suitable AP for association.

*Instructions to Editor: No space to the name between probe and timer..*

**FILSProbeTimer:** A …

**6.3.3.3.1 Function**

**…**

When ReportingOption parameter value is AT\_END a single MLME-SCAN.Confirm primitive is issued.

**6.3.3.3.3 When generated**

*Instructions to Editor: The clause is different from 14-654r7. The modification is returned to version in approved in 14-765r7.*

***Change as follows:***

~~This primitive is generated by the MLME to ascertain the operating environment of the STA. It is issued after recieving an MLME-SCAN.request primitive or, if dot11FILSActivated is true, after recieving an MLME-CSCAN STOP.request primitive following an MLME-SCAN.request primitive. as as a result of an~~

~~MLME-SCAN.request primitiveto ascertain the operating environment of the STA. [CID 4110]~~

This primitive is generated by the MLME as a result of an MLME-SCAN.request primitive or if dot11FILSActivated is true, by an MLME-SCAN-STOP.request primitive following an MLMESCAN.request primitive to ascertain the operating environment of the STA. If dot11FILSActivated is true, the primitive is invoked to provide a BSS report that matches the setting in the MLMESCAN.request's ReportingOption parameter.

**10. MLME**

**10.1 Synchronization**

**10.1.4 Acquiring synchronization, scanning**

**10.1.4.1 General**

***Change the third paragraph as follows:***

Upon receipt of the MLME-SCAN.request primitive, a STA shall perform scanning. A STA executes scanning procedures according to the parameters g~~e~~iven in the MLME-SCAN.request primitive.

…

The STA is not required to return a BSSDescriptionFromFDSet parameter ~~fro~~ for any BSS that produces a BSSDescriptionFromFDSet in this scan.

…

During FILS scanning, the scanning STA may optimize the scanning process by using intermediate results, including the ~~Reduced~~ Short Neighbor Report.

…

**10.1.4.3.2 Active scanning procedure for a non-DMG STA**

b) If the STA is a FILS STA, the STA sets the FILSProbeT~~t~~imer to 0 and starts the FILSProbeT~~t~~imer. While the FILSProbeT~~t~~imer is less than dot11FILSProbeDelay the STA may skip a probe request transmission and proceed to step ~~i~~h) after setting the ActiveScanningTimer to 0 and starting the timer, if one of the following conditions matches:

1) The STA receives a broadcast addressed Probe Request frame that the STA consideres to be suitable to discover a ~~suitable~~ candidate AP for association. The logic how the STA considers the Probe Request suitable is out of the scope of this standard.

f) If PHY-CCA.indication (BUSY) primitivehas not been detected before the timerActiveScanningTimer reaches MinChannelTime, then proceed to step i~~j~~)

i)

~~j)~~  Set the NAV to 0 and scan the next channel.

**10.1.4.3.4 Criteriafor sending a ~~probe~~ response**

*Instructions to the Editor: The 1) numbering was present in accepted submission 14-765r7.*

1) STAs with dot11FILSActivated equal to true and the Probe Request frame containsa FILS Request Parameters element and the ~~corresponding Probe Request frame~~ following criteria are met:

**10.1.4.3.5 Contents of a probe response**

a) The STA is queuing Beacon for transmission or the next TBTT of the responding STA is within

dot11BeaconResponseWindow~~Duration~~

The Beacon frame may be transmitted if the STA is queuing Beacon for transmission or the next TBTT is within dot11BeaconResponseWindow~~Duration~~. If a Probe Response frame is transmitted, then the individually addressed Probe Response frame shall be transmitted to all non-FILS STAs from which a Probe Response frame is received.

**10.1.4.3.6 Sending a response to Probe Request**

If dot11FILSActivated equal to true and if the Request element of the Probe Request frame includes the ~~Reduced~~ Short Neighbor Report Request element ID, the Probe Response or Beacon frame may include the ~~Reduced~~ Short Neighbor Report element if the criteria as defined in 10.1.4.3.6, are met for the included BSS. The reported BSSs may have different primary channels to the responding STA. [CID 4697]

**10.1.4.3.7 AP Configuration Information Set**

A non-AP STA with dot11FILSActivated true may retain one or more AP Configuration Information Sets. These AP Configuration Information Sets, one for each preferred AP, are obtained using a preferred AP determination process that is out of scope of this standard.

dot11FILSConfigEntry ::=

SEQUENCE {

dot11FILSFDFrameBeaconMinimumInterval Unsigned32,

dot11BeaconResponseWindow~~Duration~~ Unsigned32,

dot11BeaconResponseWindow~~Duration~~ OBJECT-TYPE

SYNTAX Unsigned32(0..100)

MAX-ACCESS read-write

STATUS Current

DESCRIPTION

“This is a control variable.

It is written by an external management entity.

Changes take effect as soon as practical in the implementation. This attribute indicates the duration in units of 0.1 ~~micro~~milliseconds. If the duration from the reception of the Probe Request frame to the TBTT is less than the value, the STA does not transmit a ProbeResponse frame as response to the Probe Request frame.”

DEFVAL {50}

**References:**

[1] 11-14-765r7

[2] 802.11ai D2.1