IEEE P802.11  
Wireless LANs

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| Resolution CID 10747 | | | | |
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Abstract

This submission addresses CIDs 10747

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| CID | Comment | Proposed Change | Proposed Resolution |
| 10747 | Something in the state machine doesn't make sense. A non-FILS STA (or a FILS STA after the dot11FILSProbeDelay times out) proceeds to step (c), (d) and then (e), after step (b). But, step (e) says as soon as CCA(busy) is seen (which includes upon the start of reception of any frame), to go to step (h). So, any Probe Response, Beacon, Measurement Pilot or FILS Discovery frame will cause an immediate (at the start of recption) transition to state (h). Thus, states (f) and (g) will never happen. I think step (e) was intended to be like steps (f) and (g), except with the ActiveScannerTimer limited to MinChannelTime instead of MaxChannelTime. Also, if still waiting in step (a) when a Probe Response, et al, comes in, again, the state machine should say to process the Probe Reposne, and if a FILS STA continue listening until MinChannelTime (so, similar to step (b)).. | The state machine needs to be drawn out as a state machine, and checked for all the proper transitions and actions. It seems that some of the "steps" in this state flow are really supposed to be happening in parallel, perhaps, for example, which means a considerable restruturing of the "steps". This is too much to go into in a ballot comment, and needs off-line work. | The comment was a bit confusing - it mentions that in step e), ActiveScannerTimer should be limited to MinChannelTime instead of MaxChannelTime - which is infact the case. This doc 16/0145r1 aims to provide some clarity by suggesting changes to step h). Please note, in D6.3, step e) is now step g) while step h) is now step j).  Note: while working on the resolution, found a typo in D6.3: line 8 on pg 103 of step g should refer to step j not step h. |

***Instruct the editor to update section 10.1.4.3.2 of D6.3 as indicated:***

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

***Please change step j) of the procedure in lines 31-37 of page 103 as shown below***

1. If the ReportingOption parameter of the MLME-SCAN.request primitive is CHANNEL\_SPECIFIC, at the time when the ActiveScanningTimer reaches the MaxChannelTime issue an MLMESCAN.confirm primitive, with the ResultCode equal to INTERMEDIATE\_SCAN\_RESULT and one or more of BSSDescriptionSet, BSSDescriptionFromFDSet, or BSSDescriptionFromMeasurementPilotSet containing information of all APs that have been discovered from the scanned channel.do the following:
2. If the ActiveScanningTimer has not reached MaxChannelTime, wait until the ActiveScanningTimer reaches the MaxChannelTime and then proceed to 2), else proceed to 2).
3. Issue an MLMESCAN.confirm primitive, with the ResultCode equal to INTERMEDIATE\_SCAN\_RESULT and one or more of BSSDescriptionSet, BSSDescriptionFromFDSet, or BSSDescriptionFromMeasurementPilotSet containing information of all APs that have been discovered from the scanned channel.