IEEE P802.11
Wireless LANs

|  |
| --- |
| Normative text for Setting of ProbeTimer  |
| Date: 2013-03-20 |
| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Lin Cai | HuaweiTechnologies Co. Ltd. | 3601 Algonquin Road. Rolling Meadows, IL 60008 |  | Lin.Cai@huawei.com |
| George Calcev | HuaweiTechnologies Co. Ltd. |  |  | George.Calcev@huawei.com |
| Phillip Barber | HuaweiTechnologies Co. Ltd. |  |  |  |
|  |  |  |  |  |

Abstract

### The submission provides normative text for Setting of ProbeTimer, which helps a STA to accelerate the scanning of an empty channel with no AP in operation (11-12-0151-r15).

### 6.2.11 Setting of ProbeTimer (11-13/34r1)

TGai may define a mechanism for a STA to accelerate the scanning of an empty channel with no AP in operation.

**10.1.4.3.2 Active scanning procedure of the scanning STA**

*Instructions to Editor: modify the following text in section 10.1.4.3.2.*

 e) If PHY-CCA.indication (busy) primitive has not been detected before the Probe Timer reaches MinChannelTime, then go to step f);

Optionally, if PHY-CCA.indication (busy) primitive has been detected and the STA with dot11FILSActivated equal to true determines that all frames detected before the Probe Timer reaches MinChannelTime are ProbeRequest frames, then STA go to step f);

Else while the Probe Timer is less than the MaxChannelTime:

 1. Process any received probe responses;

 2. Process any received beacons, measurement pilots and FILS Discovery frames if dot11FILSActivated is true in the STA; and

 3. If dot11FILSActivated is true in the STA, ReportingOption is IMMEDIATE, and new AP or new information of the AP is detected, issue MLME-SCAN.confirm primitive with the ResultCode equal to IMMEDIATE\_SCAN\_RESULT and the BSSDescriptionSet containing information of the detected AP.

If dot11FILSActivated is true and the ReportingOption is CHANNEL\_SPECIFIC, issue at the time when the Probe Timer reaches the MaxChannelTime an MLME-SCAN.confirm primitive, with the ResultCode equal to SUCCESS and the BSSDescriptionSet containing information of all APs that have been discovered from the scanned channel.

**Motion-1:** Move to authorize the Editor to incorporate the text changes proposed in contribution 11-13-0474-00-00ai- ProbeTimer-setting to the draft TGai Specification Document.

Yes: \_\_\_\_\_\_\_\_\_\_\_\_;  No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_;  Abstain: \_\_\_\_\_\_\_\_\_\_\_\_\_

[Result of Motion]