IEEE P802.11
Wireless LANs

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| LB 205 MAC Comment Resolution on Synchronization and Scanning related Clauses (Clause 10.1.3.10.2, 10.1.4.3.4b, and 10.1.4.3.4c) |
| Date: 2015-01-09 |
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Abstract

This submission proposes comment resolutions on Synchronization and Scanning (Clause 10.1.3.10.2, 10.1.4.3.4b, and 10.1.4.3.4c).

* CIDs: 5231, 5331, 5332, 5333, and 5334 (5 CIDs)

Changes in the text refer to: Draft P802.11ah/D3.1

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGah Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGah Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGah Editor: Editing instructions preceded by “TGah Editor” are instructions to the TGah editor to modify existing material in the TGah draft. As a result of adopting the changes, the TGah editor will execute the instructions rather than copy them to the TGah Draft.***

**CID 5231**

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 5231 | 10.1.3.10.2 | 333 | 16 | Is Beabon Period defined? Shouldn't it be Beacon Interval? | Change beacon period to Beacon Interval | Rejected -The term ‘beacon period’ is widely used in REVmc. If the definition is necessary, then it should be proposed in TGm. |

**CID 5331and 5332**

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 5331 | 10.1.4.3.4b | 335 | 22 | Grammar: Replace "frames" with "frame". | As in comment. | Accepted  |
| 5332 | 10.1.4.3.4b | 335 | 29 | The Probe Response does not refer to the particular frame type but rather to the fact that there will be a probe response (the type is specified below). So use lower cases for this. Also given that it is specified here that it is a broadcast Probe Response then the statement in the next paragraph: "Because an NDP Probe Request frame does not have a MAC Address of STA requesting an NDP Probing procedure, the RA address of the (Short) Probe Response frame shall be broadcast." is not needed. Also the first sentence of the same paragraph is not needed because already specified in P336L30 so this one is not needed either. | Replace "Probe Response" with "probe response" and remove the first and the third sentence of this paragraph. | Revised –Agree with the commenter in general.Removed the duplicated text on broadcast probe response. Duplicated text between NDP Probing and Short Probe Response have been updated to avoid duplicationTGah Editor to make changes shown in 15/0135r1. |

**Proposed Remedy on CID 5332:**

***Instructions to TGah Editor: Modify the following sentence in Subclause 10.1.4.3.4b of D3.1 as follows:***

10.1.4.3.4b NDP Probing ……

…

~~The probe response shall be a Short Probe Response if the AP has dot11ShortProbeResponseOptionImplemented equal to true and the Requested Probe Response Type field of the NDP Probe Request is 0. Otherwise the probe response shall be a Probe Response frame.~~

The response to the NDP Probe Request shall be a Short Probe Response frame if all the criteria below are satisfied:

—dot11ShortProbeResponseOptionImplemented is true at the responding STA

—the Requested Probe Response Type field in the NDP Probe Request frame is set to 0

If any of the criteria above is not satisfied, then the response to the NDP Probe Request shall be a Probe Response frame.

The AP shall follow the channel access procedure defined in 9.3.4.2 (Basic access) to transmit the probe response.~~Because an NDP Probe Request frame does not have a MAC Address of STA requesting an NDP Probing procedure, the RA address of the (Short) Probe Response frame shall be broadcast.~~

 ………

10.1.4.3.4c Active scanning using Short Probe Response

…..

When an NDP Probe request frame is used instead of a Probe Request frame, the response shall be either a Short Probe Response frame or a Probe Response frame as described in 10.1.4.3.4b (NDP Probing). ~~if all the criteria below are satisfied:~~

~~—dot11ShortProbeResponseOptionImplemented is true at the responding STA~~

~~—the Requested Probe Response Type field in the NDP Probe Request frame is set to 0~~

~~If any of the criteria above is not satisfied, then the response to the NDP Probe Request shall be a Probe Response frame.~~

**CID 5333and 5334**

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 5333 | 10.1.4.3.4c | 336 | 54 | Editor's tag that survived the filtering. Remove "(#3584)" | As in comment. | Accepted |
| 5334 | 10.1.4.3.4c | 336 | 64 | Here it should be Probe Request frame. | Replace "probe request" with "Probe Request frame". | Accepted |