IEEE P802.11
Wireless LANs

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| Missing text of 10.25.4 in D0.5 |
| Date: 2013-05-2 |
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Abstract

Normative text for Differentiated Initial Link Setup (11-13-0264r2) has been accepted in the March meeting. In this submission, we add a paragraph to describe the detail receiver’s behaviour after receiving the DILS information element to address the last comment in 11-13-0472-00-00ai. Specifically, how a receiver sets up the timer based on the ILS Time field in the Differentiated Initial Link Setup element.

**10.25.4.2 Non-AP STA procedures for differentiated initial link setup**

*Instructions to Editor: please modify the text as shown below:*

When a non-AP STA with dot11FILSActivated equal to true receives a Beacon, Probe Response frame including Differentiated Initial Link Setup element, the STA shall check the ILSC information subfield of the Differentiated Initial Link Setup element.

A STA is considered an ILSC STA with its ILSC value set to 1 that is allowed for fast initial link setup only when it satisfies the condition specified in each and every optional subfield that is present in the ILSC information field. If the STA does not satisfy one or more optional subfields present in the ILSC information field, then the STA is not considered an ILSC STA and its ILSC value is set to 0. A logical AND operation of all the conditions in the present optional subfields is used to determine whether the STA is an ILSC STA. The logical AND is not needed if only one optional subfield is present.

If ILS User Priority subfield is present, the STA shall check the bit position in the present subfield. A bit value of 1 in the ILS User Priority subfield indicates that the STA of the corresponding user priority is an ILSC STA with its ILSC value set to 1, which is allowed to attempt FILS with the AP. A bit value of 0 in the bitmap indicates that STAs of the corresponding User Priority are not allowed to attempt initial link setup before the time specified in the ILS Time field expires. If a STA carries more than one types of traffic, a STA identifies itself as an ILSC STA and set its ILSC value to 1 if any of the corresponding bit value is set to 1 in the ILS User Priority subfield.

If Vendor Specific Category subfield is present, a STA shall check the OI subfield. If the STA can understand the OI subfield, the STA shall check the following Vendor Specific Category subfield and set the ILSC value to 1 if it satisfies the condition specified in Vendor Specific Category subfield. Otherwise, the STA shall skip and ignore the Vendor Specific Category subfield.

If MAC Address Filter subfield is present, a STA shall compare the corresponding MSBs of its MAC address with the bits used for MAC address filtering in Bit Pattern Value field in MAC Address Filter subfield, with MSB comparing to bit 7. If they are the same, the STA sets the value of ILSC to 1.

A STA with its ILSC value of 1 is allowed to attempt initial link setup with the AP immediately. A STA with its ILSC value of 0 shall set a timer to the value specified in the ILS Time field of the Differentiated Initial Link Setup element. A STA with its ILSC value of 0 can attempt initial link setup when the timer elapses to 0.

If the ILS Synchronization subfield is present, a STA may delay the transmission of the initial link setup request frame for a random delay that is shorter than the Beacon Interval of the target AP.

**Motion-1:** Move to authorize the Editor to incorporate the text changes proposed in contribution 11-13-0473-00-00ai- Clarifying-time-setting-of-DIFS to the draft TGai Specification Document.

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

[Result of Motion]