IEEE P802.11  
Wireless LANs

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| Differentiate transmission of probe responses | | | | |
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| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Jing-Rong Hsieh | HTC Corp. | 1F, 6-3 Baoqiang Road, Xindian district, New Taipei City, Taiwan |  | jing\_hsieh@htc.com |
| ChaoChun Wang | MediaTek USA | 2860 Junction Ave, San Jose, CA USA |  | chaochun.wang@mediatek.com |
| James Yee | MediaTek, Inc. | No. 1, Dusing 1st Rd, Hsinchu, Taiwan |  | james.yee@mediatek.com |

Abstract

This document proposes text for the following area of SFD.

* **5. Fast Network Discovery**
* Proposed text describes channel access differentiations of probe responses depending on the addressing information carried in the probe request.

# Fast Network Discovery

**Motivation**

Probe request may contain both broadcast/wildcard address and specific network IDs. To reduce the delay in discovering preferred or selected networks, probe responses from specific networks should be prioritized than those from wildcard/broadcast address identified networks.

**Reference**

11-12/0206r0 Necessity of Probe reduction

11-12/0153r05 Ai Active Scanning Choices

11-12/0059r1 Ai selection of the AP for scanning

11-12/0206r0 Ai necessity of probe reduction in FILS

**[Motion]** *This is reserved for Hawaii F2F meeting.*

**<Proposed text>**

**5.x AP Discovery**

**5.x.x Sending a probe response**

* + An AP shall respond to probe request with ID field having addresses known to the AP with higher priority over probe request with ID field having addresses unknown to the AP and wildcard ID.
  + Do you agree to include the above conceptual text for SFD?

Y/N/A =

* + An AP shall respond to probe request with ID field having addresses known to the AP with higher priority EDCA parameters, such as those for AC\_VO or AC\_VI
* Do you agree to include the above conceptual text for SFD?

Y/N/A =

* + An AP shall respond to probe request with ID field having addresses known to the AP with shorter inter-frame gap, shorter than DIFS such as PIFS or SIFS
* Do you agree to include the above conceptual text for SFD?

Y/N/A =