IEEE P802.11
Wireless LANs

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| Clause 10.26.3 and 10.26.4 Update |
| Date: 2015-09-15 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| SK Yong | Apple Inc |  |  |  |
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Abstract

This document provides proposed comment resolutions for follow comments:

CID #

Proposed resolution:

Modify Section 10.26.3 and 10.26.4 (as in D1.3) with the following:

#### 10.26.3 Solicited PAD procedure element

When dot11PADSolicitedActivated is true, a non-AP STA sends a Probe Request with a Service Hash element, which includes one or more service hashes generated from the service name(s) of the service(s) that the non-AP STA is requesting, to an AP or PCP.

When dot11SolicitedPADActivated is true, an AP or PCP shall verify if there are any matching services through the received Probe Request. The matching of service is based on the service hash value in the Service Hash field of the Service Hash element matches to the corresponding service hash value of the service in which the AP or PCP is offering. If the AP or PCP determines there is one or more matching services, the AP or PCP shall respond with a Probe Response frame with the Service Advertisement element containing a Basic Service Information Descriptor field for each matching service. The requesting non-AP STA shall process the Service Advertisement element in the received Probe Response frame to determine if any received service name matches with a service name that the non-AP STA is requesting and the corresponding instance names. If there is a matching service name, the non-AP STA may determine to proceed with ANQP-SD procedure (10.26.4 (ANQPSD procedure) or authentication and association procedure (10.3 (STA authentication and association)) based on the nature of the service (see examples illustrated in Annex AA.1 (Preassociation service discovery usage scenarios)), the details of which are out of the scope of this standard.

#### 10.26.4 ANQP-SD procedure

When dot11UnsolicitedPADActivated or dot11SolicitedPADActivated is true, a non-AP STA sends an ANQP-SD request with a Service Information Request ANQP-element (see 8.4.5.24 (Service Information Request ANQP-element)) to obtain more information about a matching service from the AP or PCP. The Service Information Request ANQP-element shall include one or more Service Information Request Tuple subfields and each Service Information Request Tuple subfield shall include the Service Name subfield, the Instance Name subfield if applicable and may include a Service Information Query Request subfield that is service-specific. A non-AP STA shall not transmit an ANQP-SD request to an AP or PCP unless the ANQP-SD Advertisement Protocol ID is included in the Advertisement Protocol element in a Beacon or Probe Response frame from that AP or PCP.

When dot11UnsolicitedPADActivated or dot11SolicitedPADActivated is true, an AP or PCP shall respond to the ANQP-SD request with the ANQP-SD response with Service Information Response ANQP-element (see 8.4.5.25 (Service Information Response ANQP-element). The Service Information Response ANQP-element shall include one or more Service Information Response Tuple subfields and each Service Information Response Tuple subfield shall include the Service Name subfield, the Instance Name subfield, and may include the corresponding Service Information Query Response subfield that is service-specific.

Based on the Service Information Response ANQP-element in the received ANQP-SD response, the non-AP STA may determine to proceed with authentication and association procedure (10.3 (STA authentication and association)) (see examples illustrated in Annex AA.1 (Preassociation service discovery usage scenarios)), the details of which are out of the scope of this standard.