IEEE P802.11
Wireless LANs

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| Clause 3 and 4 changes |
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Abstract

This document updates text for the following CIDs:

1253, 1478, 1657

This uses Draft P802.11aq\_D1.2 as a baseline.

# 3. Definitions, acronyms, and abbreviations

## 3.1 Definitions

***Insert new definitions retaining alphabetic order as follows:***

**~~pre-association discovery protocol (PAD) :~~** ~~A protocol to enable the discovery of service information for a pre-associated station (STA).~~

**service discovery protocol (SDP**): A network protocol that allows automatic detection of STAs and services offered by these STAs on an infrastructure network. Service discovery requires a common language to allow software agents to make use of one another's services without the need for continuous user intervention.

**universally unique service identifier (UUSID):** An identifier that universally and uniquely identifies a service.

**~~service hash~~**~~: Hash value formed by using the first 6 octets of the SHA-256 algorithm hashing of the value of the service name or universally unique service identifier (UUSID).~~

**~~upper layer protocol (ULP):~~** ~~A protocol that operates at a higher OSI layer than the MAC layer of IEEE Std 802.11.~~

## 3.2 Definitions specific to IEEE Std 802.11

***Insert new definitions retaining alphabetic order as follows:***

**service hash**: Hash value formed by using the first 6 octets of the SHA-256 algorithm hashing of the value of the service name or universally unique service identifier (UUSID).

## 3.4 Abbreviations and acronyms

***Insert new acronyms, retaining alphabetic order as follows:***

ANQP-SD access network query protocol – service discovery

~~APP application~~

PAD preassociation discovery

SDP service discovery protocol

SLP service location protocol

SSDP simple service discovery protocol

~~ULP upper layer protocol~~

UPnP universal plug and play

UUSID universally unique service identifier

# 4. General Description

### 4.5.9 Interworking with external networks

Insert in section 4.5.9 at the location indicated in the text below:

An overview of the interworking functions addressed in this standard is provided below:

— Network discovery and selection

— Discovery of suitable networks through the advertisement of access network type, roaming consortium and venue information, via management frames or Advertisement Protocols (e.g. access network query protocol (ANQP) or an IEEE Std 802.21 Information Server)

— Selection of a suitable IEEE Std 802.11 infrastructure using information from these advertisements

— Selection of an SSPN or external network with its corresponding IEEE Std 802.11 Infrastructure

— [#1253] [#1478]Preassociation discovery ~~Pre-association discovery~~ (PAD)

* [#1657] Discovery of services offered by a BSS or in an external network reachable via the BSS.~~Discovery of services offered by an infrastructure network, prior to association~~

— Emergency services

— Emergency Call and Network Alert support at the link level

— QoS Map distribution
— SSPN interface service between the AP and the SSPN