IEEE P802.11
Wireless LANs

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| Comment Collection 09 MAC CIDs (Comment Resolutions for CC09) |
| Date: 2013-09-04 |
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Abstract

This document provides proposed resolutions for CIDs 31 and 592 from TGah Draft 0.1 Command Collection 9

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| --- | --- | --- | --- | --- | --- |
| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Decision** |
| 31 | 173, line 45 | 10.3.5.9 | change circle to cycle | as in comment | Accept. |
| 592 | 173, line 44 | 10.3.5.9a | 11ah has introduced a service type field as part of the AID Request element to be used by the STAs to optionally indicate to the AP its service type during association/reassociation.However, the service types and their corresponding bit indications in the service type field are undefined. | bit 0: Critical, emergency service typebit 1: Sensorbit 2: Off-loadbit 3: Relay | Revised.TGah editor to make changes shown in 11-13-1034-00-00ah under the heading for CID 592. |

**Discussion on cid 592**

Comment 592 suggests a definition of service types instead of leaving them as TBD. Based on 11ah use cases, there are two distinct classes of 11ah devices:

* Devices that serve a single function such as sensors and traffic offloading. Also during the development of the standard, relay is introduced as another viable 11ah device.
* Devices that serve one or more critical functions such as
	+ - Indoor/outdoor industrial process automation monitoring
		- Indoor health care monitoring
		- Health care and fitness
		- Alarm monitoring
		- Emergency services

Three bits are needed to cover the above types of devices leaving 5 bits for future expansion. Currently, these bits are optionally used by the devices to indicate to the AP their service type.

**Proposed resolution to CID 592:**

Revise the Service Type field to provide indication of the service type of a non-AP STA.

**Instruction to the editor:**

In 11ah draft 0.1, P82/ L62, modify the following sentence

The Service Type field indicates the service type of a non-AP STA.

To:

The Service Type field indicates the service type of a non-AP STA. The format of the Service Type field is shown in Figure 8-401cta.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Bits: | B0 | B1 | B2 | B3 | B4 | B5 | B6 | B7 |
|  | Sensor | Offload | Criticalservices | Reserved | Reserved | Reserved | Reserved | Reserved |

**Figure 8-401cta—Service Type field format**

A non-AP STA sets a bit from B0-B2 to 1 to indicate to the AP its service type. When it sets B0 to 1, it indicates to the AP that it is a sensor or a meter. When it sets B1 to 1, it is a traffic offloading device. When it sets B2 to 1, it is a health care, home, industrial, alarm monitoring or emergency servicing device.