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| Proposed Update of P802.1CF-D1.0 Ch 6.7 Identifiers revision proposal |
| Date: 2018-03-20 |
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Abstract

This document provides the concrete amendment proposal according to comment #9 of p802-1cf-d1-0-comments-maxriegel.xls

## Identifiers

This subclause details the kind and format of identifiers used in IEEE P802.1CF. Table 1 lists identifiers of access technology dependent entities. Table 2 lists identifiers of access technology independent network entities, and Table 3 lists identifiers of operational roles within the IEEE 802 Access Network. The formats shown in Tables 2 and 3 are provided as examples.

Table 1—Identifiers of access technology dependent entities

|  |  |
| --- | --- |
|  | **Format** |
| **Entity** | **Identifier** | **802.3** | **802.11** | **802.16** | **802.22** |
| Terminal | TE-ID | 48-bita,f | 48-bitb,f | EUI-48c,f | EUI-48d |
| Node of Attachment | NA-ID | 48-bita,f | BSSIDb | BSIDc | EUI-48d |
| Access Network | AN-ID | CHAR[511]e | SSID, HESSIDb | Operator IDc | EUI-48d |

a) IEEE Std 802.3: IEEE Standard for Ethernet, Clause 3

b) IEEE Std 802.11: IEEE Standard for Wireless LAN Medium Access Control and Physical Layer Specifications, Subclause 9.2.4.3 and Subclause 11.23.2

c) IEEE Std 802.16: IEEE Standard for Air Interface for Broadband Wireless Access Systems, Clause 6; 48-bit BSID encoded using 24-bit Operator ID as assigned by IEEE Registration Authority

d) IEEE Std 802.22-2011: IEEE Standard for Cognitive Wireless RAN Medium Access Control and Physical Layer Specifications: Policies and Procedures for Operation in the TV Bands, Clause 7

e) IEEE Std 802.1X-2010: IEEE Standard for Port-Based Network Access Control, Clause 10

f) IEEE Std 802: IEEE Standard for Local and Metropolitan Area Networks: Overview and Architecture

Table 2 – Identifiers of access technology independent entities

|  |  |  |
| --- | --- | --- |
| **Entity** | **Identifier** | **Format** |
| Network Management Service | NMS-ID | FQDN |
| Access Network Control | ANC-ID | FQDN |
| Access Router | AR-ID | 48bitf |
|  |  |  |
|  |  |  |
|  |  |  |
| Backhaul | BH-ID | FQDN |
| Subscription Service | SUS-ID | FQDN |
| Coordination and Information Service | CIS-ID | FQDN |

Table 3 – Identifiers of operational roles

|  |  |  |
| --- | --- | --- |
| **Role** | **Identifier** | **Format** |
| User | User-ID | string |
| Service Provider | SP-ID | CID[[1]](#footnote-1) or Domain Name |
| Subscription | SUB-ID | NAI |
|  |  |  |
| Access Network Operator | ANO-ID | CID1 or Domain Name |
| IP Provider | IP-ID | CID1 or Domain Name |
| Infrastructure Provider | INF-ID | CID1 or Domain Name |

1. IEEE-SA Registration Authority, “Guidelines for Use of Extended Unique Identifier (EUI), Organizationally Unique Identifier (OUI), and Company ID (CID)” [↑](#footnote-ref-1)