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| P802.1CF-D1.0 Ch 6.7 Identifiers revision proposal |
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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

The section defines the kind and encoding of the identifiers used in the specification. It consists of tables listing the access technology dependent identifiers, the identifiers of access technology agnostic network entities, as well as the identifiers of operational roles of IEEE 802 Access Network. Encodings of the identifiers of access technology agnostic entities as well as operational roles are provided as examples.

Table 1—Identifiers of access technology dependent entities

|  |  |
| --- | --- |
|  | **Encoding** |
| **Entity** | **Identifier** | **802.3** | **802.11** | **802.16** | **802.22** |
| Terminal | TE-ID | EUI-48a | EUI-48b | EUI-48c | EUI-48d |
| Node of Attachment | NA-ID | EUI-48a | EUI-48b | EUI-48c | EUI-48d |
| Access Network | AN-ID | CHAR[511]e | CHAR[30]+ EUI-48b | EUI-48c | EUI-48d |

a) IEEE 802.3-2012: IEEE Standard for Ethernet, Chapter 3

b) IEEE 802.11-2016: IEEE Standard for Wireless LAN Medium Access Control and Physical Layer Specifications, Chapter 9

c) IEEE 802.16-2012: IEEE Standard for Air Interface for Broadband Wireless Access Systems, Chapter 6

d) IEEE 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, Chapter 7

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

Table 2 – Identifiers of access technology agnostic entities

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

Table 3 – Identifiers of operational roles

|  |  |  |
| --- | --- | --- |
| **Role** | **Identifier** | **Encoding** |
| User | User-ID | Username |
| Service Provider | SP-ID | CID or Domain Name |
| Subscription | SUB-ID | NAI |
|  |  |  |
| Access Network Operator | ANO-ID | CID or Domain Name |
| IP Provider | IP-ID | CID or Domain Name |
| Infrastructure Provider | INF-ID | CID or Domain Name |