##### *13.4.1.3.1 Extended Information* TLV

1. The *Information* OAMPDU defined in IEEE Std 802.3, Clause 57, can contain the Organization Specific Information as *Information* TLV (IEEE Std 802.3, 57.5.2.3). Presence of this *Extended Information* TLV in the *Information* OAMPDU during the OAM discovery process indicates that the OLT or the ONU supports the extended OAM.
2. The format of the *Extended Information* TLV shall be as specified in Table 13‑83 and described in the following text.

Table 13‑83—Structure of the *Extended Information* TLV

| 1. **Size(octets)**
 | 1. **Field**
2. **(name)**
 | 1. **Value**
 |
| --- | --- | --- |
| 1. 1
 | 1. Type
 | 1. 0xFE (*Organization Specific Information* TLV)
 |
| 1. 1
 | 1. Length
 | 1. 0x05
 |
| 1. 3
 | 1. OUI
 | 1. OUI\_A
 |
| 1. 1
 | 1. InfoType
 | 1. 0x00
 |
| 1. 1
 | 1. Version
 | This field identifies the version of the eOAM used by this profile.Bits [7:4] represent the major version numberBits [3:0] represent the minor version numberThe following values are defined:0x01: reserved for backward compatibility, same as 0x100x02: pre-DPoE OAM, without Certificate Authority support0x03: pre-DPoE OAM, with Certificate Authority support0x10: OAM compliant with DPoE-SP-OAMv1.0-I04 and previous versions0x11: OAM compliant with DPoE-SP-OAMv1.0-I05 and subsequent versions of DPoE-SP-OAMv1.00x20: OAM compliant with IEEE Std 1904.1-2013, Package A and DPoE-SP-OAMv2.0-I01 through DPoE-SP-OAMv2.0-I050x21: OAM compliant with IEEE Std 1904.1-2015, Package A and DPoE-SP-OAMv2.0-I06 and subsequent versionsEDITORIAL NOTE: update the date for next revision of IEEE Std 1904.1 in 0x21 1. Other values are reserved and ignored on reception.
 |

1. The following fields comprise the *Extended Information* TLV:
	1. Type: this field is used to indicate the data type held in the given TLV. In the case of the *Extended Information* TLV, this field carries the value of 0xFE, according to IEEE Std 802.3, Table 57–6, indicating the *Organization Specific Information* TLV.
	2. Length: this field is used to indicate the length of the TLV, expressed in units of octets.
	3. OUI: this field is used to identify the organization to which the given *Information* TLV belongs. At least one of the *Organization Specific Information* TLVs exchanged between the ONU and the OLT during the eOAM discovery process shall be of *Extended Information* TLV type, containing the OUI\_A.
	4. InfoType: this field is used to identify the subtype of the *Extended Information* TLV.
	5. Version: this field is used to indicate the version of the eOAM supported by the given device. The internal format of this field is as follows: aaaa.bbbb (4 bits followed by 4 bits), where “aaaa” represents the major version number, and “bbbb” represents the minor version number. For example, a Version field carrying the value of 0b0010.0000 represents a major version 2, and a minor version 0.