

1 **5.2 UMT PDU Subtype encoding**

2 The value encoding of the *Subtype* field shall be as defined in Table 5-1.

3 **Table 5-1—Subtype field encoding**

Value	Designation	Description
0x00	<i>UMT_config</i>	<i>UMT_config</i> subtype identifies <i>UMT_Request</i> and <i>UMT_Response</i> UMT PDUs used for configuring the UMT Classification and Translation Engine (see 6.1).
0x01, 0x02	n/a	Reserved for UMT Discovery protocol; ignored on reception.
0x03	<i>OAM_Subtype</i>	<i>OAM_Subtype</i> represents the OAMPDU payload carried within the UMT PDU (see 5.2.2).
0x04	<i>OMCI_Subtype</i>	<i>OMCI_Subtype</i> represents the OMCI payload carried within the UMT PDU (see 5.2.3).
0x05	<i>L2_subtype</i>	<i>L2_Subtype</i> represents a generic Ethernet frame carried within the UMT PDU (e.g., MAC-in-MAC) (see 5.2.4).
0x06	<i>L3_Subtype</i>	<i>L3_Subtype</i> represents a generic L3 packet (plus TPID) carried within the UMT PDU (see 5.2.5).
0x07 to 0xFD	n/a	Reserved; ignored on reception.
0xFE	<i>OUI24_Subtype</i>	<i>OUI24_Subtype</i> represents an organization-specific payload carried within the UMT PDU. The organization is identified by a unique OUI/CID value (see 5.2.6).
0xFF	<i>OUI36_Subtype</i>	<i>OUI36_Subtype</i> represents an organization-specific payload carried within the UMT PDU. The organization is identified by a unique OUI-36 value (see 5.2.6).

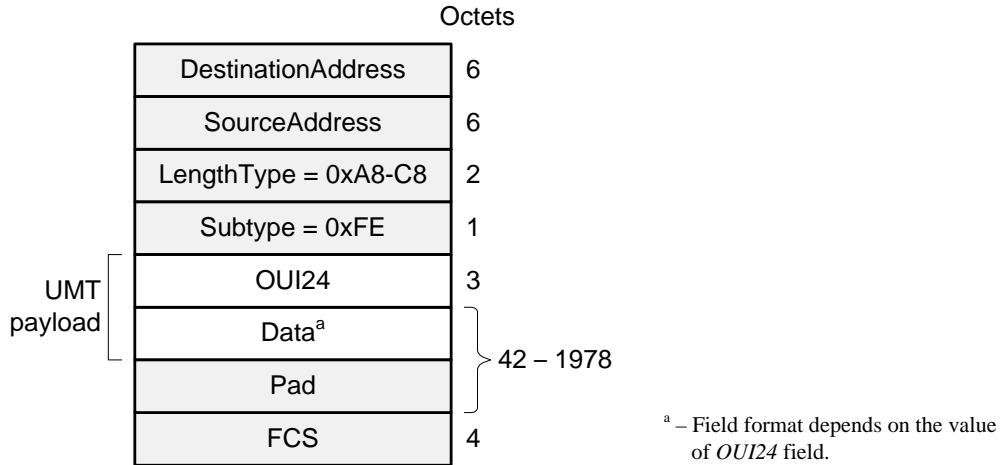
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5 **5.2.6 Organization-specific extension subtype**

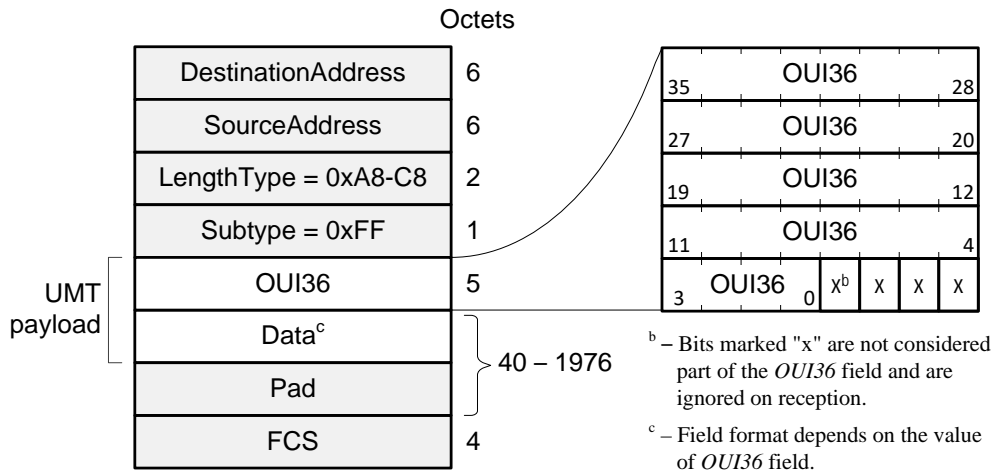
6 The Organization-specific UMT PDU is an instantiation of a generic UMT PDU as defined in 5.1. It is
7 identified by the *Subtype* field value of *OUI24_Subtype* or *OUI36_Subtype* and it is used for organization
8 specific extensions.

9 The format and frame structure of the Organization-Specific UMT PDU with *OUI24_Subtype* shall be as
10 depicted in Figure 5-5(a) and the format and frame structure of the UMT PDU with *OUI36_Subtype* shall be
11 as depicted in Figure 5-5(b).

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a) UMT PDU format with *OUI24_Subtype* (0xFE)



b) UMT PDU format with *OUI36_Subtype* (0xFF)

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Figure 5-1—Format of UMT PDU with organization-specific extension subtype

The structure of the *UMT payload* in the UMT PDU with organization-specific extension subtype is defined as follows:

—*OUI24*:

This field carries the Organizationally Unique Identifier (OUI) or Company ID (CID) value assigned to an organization by the IEEE Registration Authority (IEEE RA)^a.

^a Refer to Guidelines for Use of Extended Unique Identifier (EUI), Organizationally Unique Identifier (OUI), and Company ID (CID) at <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/tutorials/eui.pdf>.

- 1 —*OUI36*:
2 This field carries the Organizationally Unique 36-bit Identifier (OUI-36) value assigned to an organization
3 by the IEEE RA.
- 4 —*Data*:
5 This field carries the OUI/CID-specific data payload. The internal format of the *Data* field is dependent
6 on *OUI24* or *OUI36* field value and is beyond the scope of this standard. The combined size of the *Data*
7 and *Pad* fields ranges between 42 and *N*, where *N* is defined in Figure 5-1.
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