

1 **14 Management entities**

2 **14.1 Introduction**

3 **14.2 Branch 0xDA “identification”**

4 **14.2.1 Object Context TLV**

5 **Table 14-1—Object Context TLV (0xDA/Varies)**

Size (octets)	Field (name)	Value	Notes
1	Branch	0xDA	Branch identifier.
2	ObjectType	Varies	Indicates the type of the target object, as defined in 14.2.1.1.
1	Length	Varies	Represents the size of the ObjectInstance field: 0x01 for ObjectType values 0x00-00, 0x00-01, and 0x00-03 0x02 for ObjectType value 0x00-02 <u>and 0x00-08</u> 0x04 for ObjectType value 0x00-04 Other values are reserved and ignored on reception
Varies	ObjectInstance	Varies	Indicates the instance of the target object, as defined in 14.2.1.1.

6 **14.2.1.1 ObjectType field**

7 The ObjectType value in the Object Context TLV identifies the type of the target object. The ONU and  
8 the OLT shall support the values for the ObjectType field as shown in Table 14-2~~Table 14-2~~.

9 **Table 14-2—Code point allocation for the ObjectType field**

ObjectType	Code	Notes
ONU	0x00-00	Identifies the ONU as a whole
PON Port	0x00-01	Identifies a PON interface
LLID	0x00-02	Identifies <del>an</del> <u>a traffic-bearing LLID, i.e., a PLID, an MLID, or a ULID (see 4.5)</u>
Service Port	0x00-03	Identifies <u>a</u> service port in the ONU
Queue	0x00-04	Identifies <del>the a specific</del> queue in the ONU
reserved	0x00-05	See DPoE-SP-OAM for details
reserved	0x00-07	See DPoE-SP-OAM for details
<u>GLID</u>	<u>0x00-08</u>	<u>Identifies a GLID</u>

10 Other values are reserved and ignored on reception. When the destination OAM Client encounters an  
11 Object Context TLV carrying one of the reserved ObjectType values, the destination OAM Client shall  
12 discard this Object Context TLV and all the subsequent TLVs present in the same eOAMPDU until it  
13 encounters another Object Context TLV with one of the supported values.

1 **14.2.1.2 ObjectInstance field**

2 **14.2.1.2.1 ObjectInstance field for ONU (0xDA/0x00-00)**

3 **14.2.1.2.2 ObjectInstance field for PON Port (0xDA/0x00-01)**

4 **14.2.1.2.3 ObjectInstance field for LLID (0xDA/0x00-02)**

5 When the Object Type field is equal to 0x00-02 (LLID), the *Object Context* TLV identifies one of the  
6 traffic-bearing LLIDs (i.e., PLID, MLID, or ULID) available at the ONU. The value carried in the  
7 ObjectInstance field when the Object Type field is equal to 0x00-02 (LLID) shall be as specified in  
8 Table 14-3 ~~Table 14-5~~.

9 The LLID object identified by this TLV may represent any traffic-bearing LLID instance available at a  
10 given ONU, including the unicast PLID and MLID assigned during ONU's registration (see **TBD**), pre-  
11 configured broadcast BCAST\_PLID and BCAST\_MLID, or any other LLID configured via eOAM action  
12 *acConfigLlid* (see **14.6.2.8**).

13 **Table 14-35—Structure of the ObjectInstance field for LLID (0xDA/0x00-02)**

<b>Size (octets)</b>	<b>Field (name)</b>	<b>Value</b>	<b>Notes</b>
2	LLID	0x00-00 to 0xFF-FF	Represents the LLID value

14 **14.2.1.2.4 ObjectInstance field for Service Port (0xDA/0x00-03)**

15 **14.2.1.2.5 ObjectInstance field for Queue (0xDA/0x00-04)**

16 **14.2.1.2.6 ObjectInstance field for GLID (0xDA/0x00-08)**

17 When the Object Type field is equal to 0x00-08 (GLID), the *Object Context* TLV identifies one of the  
18 GLIDs provisioned at the ONU using the eOAM action *acConfigGlid* (see **14.6.2.10**). The value carried in  
19 the ObjectInstance field when the Object Type field is equal to 0x00-08 (GLID) shall be as  
20 specified in **Table 14-9**.

21 **Table 14-9—Structure of the ObjectInstance field for GLID (0xDA/0x00-02)**

<b>Size (octets)</b>	<b>Field (name)</b>	<b>Value</b>	<b>Notes</b>
<u>2</u>	<u>GLID</u>	<u>0x00-00 to 0xFF-FF</u>	<u>Represents the GLID value</u>

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