

**Table 144-1 – Allocation of LLID values**

LLID Value	Designation	Description
0x00-00	ESC_LLID	The <i>ESC_LLID</i> is used in the GATE MPCPDU to indicate an empty <i>EnvAlloc[n]</i> field or in the REPORT MPCPDU to indicate an empty <i>LLIDstatus</i> field. The <i>ESC_LLID</i> is also used in the <i>MCRS_CTRL.request</i> primitive to mark the end of an upstream burst.
0x00-01	DISC_PLID	PLID value used for discovery of unregistered ONUs.
0x00-02	BCAST_PLID	PLID value reserved for MPCPDU broadcast.
0x00-03	BCAST_MLID	MLID value reserved for broadcast of management frames (OAMPDUs).
0x00-04 to 0x0F-FF	n/a	Reserved
0x10-00 to 0xFF-FF	n/a	The range of LLID values that are available for allocation as PLID, MLID, ULID, or GLID. The values may be allocated to form unicast, multicast, or broadcast connections. LLID allocation policy is outside the scope of this standard.

The OLT and the ONUs shall not transmit envelopes with *ESC\_LLID* or a reserved value in the *LLID* field, and they shall ignore the received envelopes with any of these LLID values.

An unregistered ONU shall accept only the envelopes containing the *DISC\_PLID* value in the *LLID* field. The envelopes with other LLID values shall be ignored.

Upon successful registration, an ONU shall no longer accept envelopes with *DISC\_PLID*. Instead, a registered ONU shall accept all envelopes containing any of the following LLID values:

- The specific PLID value assigned to this ONU during registration;
- The specific MLID value assigned to this ONU during registration
- Broadcast PLID (*BCAST\_PLID*)
- Broadcast MLID (*BCAST\_MLID*)
- Any ULID or GLID configured by management <sup>a</sup>

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<sup>a</sup> After registration, an ONU may be configured to use multiple ULID or GLID values via management. The method of provisioning of these additional ULID or GLID values is outside the scope of this standard.