

1.1.1.1 Attribute *aLlidFragThreshold* (0xDB/0x00-19)

This attribute configures the frame size threshold for fragmentation. All frames of sizes equal or greater than the specified threshold may be fragmented. The ONU is not allowed to fragment any frame of size under the specified threshold. By default, fragmentation is enabled for all frames.

Attribute *aLlidFragThreshold*:

- Syntax:** Unsigned integer
- Range:** 0x00-00 to 0xFF-FF
- Unit:** 1 octet
- Default value:** 0x00-00
- Remote access:** Read/Write
- Description:** This attribute specifies the minimum frame size that a given LLID is allowed to fragment. All frames with sizes under the specified threshold are not fragmented. Setting the threshold to any value under 0x00-40 enables fragmentation for all frames. Setting the threshold to any value greater than the value of the *aOnuMaxFrameSizeCapability* attribute (14.4.2.14) effectively disables fragmentation for all frames on the given LLID.

NOTE – This attribute is intended mainly for testing and troubleshooting. Under the normal operation conditions, this attribute is expected to retain its default value.

The *aLlidFragThreshold* attribute is associated with the LLID object (see 14.2.1) that represents a bidirectional LLID, excluding the primary PLID. If the supplied context object represents the primary PLID or any unidirectional LLID, the ONU shall respond with the error code 0xA1 “Unsupported” (see 13.4). The Variable Container TLV for the *aLlidFragThreshold* attribute shall be as specified in Table 14-78.

Table 14-1—LLID Fragmentation Threshold TLV (0xDB/0x00-19)

Size (octets)	Field (name)	Value	Notes
1	Branch	0xDB	Branch identifier
2	Leaf	0x01-31	Leaf identifier
1	Length	2	The size of TLV fields following the Length field
2	LlidFragThreshold	Varies	Value of <i>aLlidFragThreshold</i> attribute