14 Management entities

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14.4.5.2 Action *aEncryptionMode* (0xDB/0x04-02)

This attribute represents the current encryption mode configured on the given ONU. This attribute applies to the encryption entity associated with the ONU object and it only affects the ONU's encryption of the upstream traffic.

Attribute *aEncryptionMode*:

Syntax:	Enumeration
Default value:	`normal`
Remote access:	Read/Write
Description:	This attribute indicates the current encryption mode configured on the ONU. The following values are defined:

    `normal`:   upstream encryption is enabled if the downstream unicast traffic to this ONU is encrypted.

    `force_on`:   upstream encryption is enabled regardless of the status of the downstream encryption.

    `force_off`: upstream encryption is disabled regardless of the status of the downstream encryption.

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

The *aEncryptionMode* attribute is associated with the ONU object (see 14.2.1). The Variable Container TLV for the *aEncryptionMode* attribute shall be as specified in Table 14-1.

Table 14-1—*Encryption Mode* TLV (0xDB/0x04-02)

Size (octets)	Field (name)	Value	Notes
1	Branch	0xDB	Branch identifier
2	Leaf	0x04-02	Leaf identifier

Size (octets)	Field (name)	Value	Notes
1	Length	0x01	The size of TLV fields following the `Length` field
1	EncryptionMode	Varies	Value of *aEncryptionMode* attribute, defined as follows: `normal:` 0x00 `force_on:` 0x01 `force_off:` 0x02