EXCENTIS

**Euro-DOCSIS 1.1
OSS requirements**

--- Project Reference ---
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Content

Euro-DOCSIS 1.1 OSS requirements

1   Overview

This document describes the OSS requirements that are applicable for Euro-DOCSIS 1.1 certification for ECW#6.

This documents outlines the differences for Euro-DOCSIS 1.1 and [SP-OSSIv1.1-I03-001220]

2   Requirements

All requirements from [SP-OSSIv1.1-I03-001220] MUST be implemented with the following exceptions:

Section 3.3.3 "Requirements for RFC-2670" this whole section needs to be replaced with:

RFC-2670 MUST be implemented by Euro-DOCSIS 1.1 compliant CMTS and CMs.

The docsIfDownChannelPower object-type MUST be implemented in a CMTS that provides an integrated RF upconverter. If the CMTS relies on an external upconverter, then the CMTS SHOULD implement the docsIfDownChannelPower object-type. The CMTS transmit power reported in the MIB object MUST be within 2 dB of the actual transmit power in dBmV when implemented. If transmit power management is not implemented, the MIB object will be read-only and report the value of 0 (zero).

The docsIfDownChannelPower object-type MUST be implemented in Euro-DOCSIS 1.1 conforming CM's. This object is read-only. When operated at nominal line voltage, at normal room temperature, the reported power MUST be within 3 dB of the actual received channel power. Across the input power range from –13 dBmV to +17 dBmV for 256QAM and –17 dBmV to +13 dBmV for 64QAM, for any 1 dB change in input power, the CM MUST report a power change in the same direction that is not less than 0.5 dB and not more than 1.5 dB.

The access of docsIfDownChannelFrequency object MUST be implemented as RW if a CMTS is in control of the downstream frequency. But if a CMTS provides IF output, docsIfDownChannelFrequency MUST be implemented as read-only and return 0.

3   References

[SP-OSSIv1.1-I03-001220] Data-Over-Cable Srvice Interface Specifications

Operations Support System Interface Specification