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# S T A N D A R D S

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**Network Operations Subcommittee**

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**AMERICAN NATIONAL STANDARD**

**ANSI/SCTE 112 2017**

**HMS / DOCSIS<sup>®</sup> Transponder for  
Outside Plant Power Supply**

ANSI/SCTE 112 2017

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## ANSI/SCTE 112 2017

### 1.0 SCOPE

This document is identical to SCTE 112 2011 except for informative components which may have been updated such as the title page, NOTICE text, headers and footers. No normative changes have been made to this document.

This document contains the requirements for a “HMS / DOCSIS® Transponder for Outside Plant Power Supply.” The HMS / DOCSIS® transponder is defined to be a device where the DOCSIS component has been developed or modified specifically for the HMS / DOCSIS® application. This requirement leverages various HMS specifications and MIBS, as well as the DOCSIS® 1.1 specifications and MIBS.

### 2.0 NORMATIVE REFERENCES

The following documents contain provisions, which, through reference in this text, constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreement based on this standard are encouraged to investigate the possibility of applying the most recent editions of the documents listed below.

#### 2.1 SCTE References

2.1.1 ANSI/SCTE 25-2 2008, Hybrid Fiber/Coax Outside Plant Status Monitoring-MAC Layer

2.1.2 ANSI/SCTE 38-3 2008, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-COMMON-MIB Management Information Base (MIB) Definition

2.1.3 ANSI/SCTE 38-8 2005, Hybrid Fiber/Coax Outside Plant Status Monitoring SCTE-HMS-DOWNLOAD-MIB Management Information Base (MIB) Definition

2.1.4 ANSI/SCTE 81 2007, Surge Withstand Test Procedure

2.1.5 ANSI/SCTE 48-2 2008, Test Procedure for Measuring Relative Shielding Properties of Active and Passive Coaxial Cable Devices Using H-P Magnetic Close Field Probe

2.1.6 ANSI/SCTE 23-1 2005, DOCSIS 1.1 Part 1: Radio Frequency Interface

#### 2.2 Standards from other Organizations

2.2.1 (ANSI) IEEE Std C62.41.2 -2002/IEC 61000-4-2:2008 Electromagnetic compatibility (EMC)- Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test