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S T A N D A R D S

Data Standards Subcommittee

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DPoE Security and Certification Specification

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1. Introduction

1.1. Executive Summary

The present document provides the SCTE endorsement of CableLabs specification: DPoE-SP-SECv2.0-I06-180228.

1.2. Scope

This specification identifies recommendations for the adaptation or additions to DOCSIS specifications that are required to support DOCSIS Provisioning of EPON (DPoE).

Security services may be divided into the following major areas:

- Subscriber data privacy, includes device authentication and key exchanges to verify that the device (and accompanying certificates) can insure data path encryption for subscriber data.
- Service provider network security.
- Device software and configuration, including measures used to verify the integrity of the devices, software on them, and their configurations. Without device security, the other forms of security could be compromised.

In this document, the term "subscriber" is used synonymously with "customer."

2. Normative References

The following documents contain provisions, which, through reference in this text, constitute provisions of this document. At the time of Subcommittee approval, the editions indicated were valid. All documents are subject to revision; and while parties to any agreement based on this document are encouraged to investigate the possibility of applying the most recent editions of the documents listed below, they are reminded that newer editions of those documents might not be compatible with the referenced version.

2.1. SCTE References

- No normative references are applicable.

2.2. Standards from Other Organizations

[1] DPoE Security and Certificate Specification, DPoE-SP-SECv2.0-I06-180228, February 28, 2018, Cable Television Laboratories, Inc. www.cablelabs.com

2.3. Published Materials

- No normative references are applicable.

3. Informative References

The following documents might provide valuable information to the reader but are not required when complying with this document.

3.1. SCTE References

- No informative references are applicable.

3.2. Standards from Other Organizations

- No informative references are applicable.

3.3. Published Materials

- No informative references are applicable.

4. Compliance Notation

<i>shall</i>	This word or the adjective “ <i>required</i> ” means that the item is an absolute requirement of this document.
<i>shall not</i>	This phrase means that the item is an absolute prohibition of this document.
<i>forbidden</i>	This word means the value specified shall never be used.
<i>should</i>	This word or the adjective “ <i>recommended</i> ” means that there may exist valid reasons in particular circumstances to ignore this item, but the full implications should be understood and the case carefully weighted before choosing a different course.
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<i>deprecated</i>	Use is permissible for legacy purposes only. Deprecated features may be removed from future versions of this document. Implementations should avoid use of deprecated features.

5. Abbreviations and Definitions

5.1. Abbreviations

For the purposes of the present document, the abbreviations given in CableLabs specification: DPoE-SP-SECv2.0-I06-180228, [1] apply.

5.2. Definitions

For the purposes of the present document, the definitions given in CableLabs specification: DPoE-SP-SECv2.0-I06-180228 [1] apply.

6. Endorsement Notice

All elements of CableLabs specification: DPoE-SP-SECv2.0-I06-180228 [1] *shall* apply without modifications.