

SCTE | **STANDARDS**

Data Standards Subcommittee

AMERICAN NATIONAL STANDARD

ANSI/SCTE 165-16 2022

**IPCablecom 1.5 Part 16: Management Event
Mechanism**

NOTICE

The Society of Cable Telecommunications Engineers (SCTE) Standards and Operational Practices (hereafter called “documents”) are intended to serve the public interest by providing specifications, test methods and procedures that promote uniformity of product, interoperability, interchangeability, best practices, and the long term reliability of broadband communications facilities. These documents shall not in any way preclude any member or non-member of SCTE from manufacturing or selling products not conforming to such documents, nor shall the existence of such standards preclude their voluntary use by those other than SCTE members.

SCTE assumes no obligations or liability whatsoever to any party who may adopt the documents. Such adopting party assumes all risks associated with adoption of these documents and accepts full responsibility for any damage and/or claims arising from the adoption of such documents.

NOTE: The user’s attention is called to the possibility that compliance with this document may require the use of an invention covered by patent rights. By publication of this document, no position is taken with respect to the validity of any such claim(s) or of any patent rights in connection therewith. If a patent holder has filed a statement of willingness to grant a license under these rights on reasonable and nondiscriminatory terms and conditions to applicants desiring to obtain such a license, then details may be obtained from the standards developer. SCTE shall not be responsible for identifying patents for which a license may be required or for conducting inquiries into the legal validity or scope of those patents that are brought to its attention.

Patent holders who believe that they hold patents which are essential to the implementation of this document have been requested to provide information about those patents and any related licensing terms and conditions. Any such declarations made before or after publication of this document are available on the SCTE web site at <https://scte.org>.

All Rights Reserved
©2022 Society of Cable Telecommunications Engineers, Inc.
140 Philips Road
Exton, PA 19341

Document Types and Tags

Document Type: Specification

Document Tags:

- | | | |
|---|------------------------------------|--|
| <input type="checkbox"/> Test or Measurement | <input type="checkbox"/> Checklist | <input type="checkbox"/> Facility |
| <input checked="" type="checkbox"/> Architecture or Framework | <input type="checkbox"/> Metric | <input checked="" type="checkbox"/> Access Network |
| <input type="checkbox"/> Procedure, Process or Method | <input type="checkbox"/> Cloud | <input type="checkbox"/> Customer Premises |

Document Release History

Release	Date
SCTE 165-16 2009	<i>October 2009</i>
SCTE 165-16 2016	<i>10/31/2016</i>
SCTE 165-16 2022	<i>July 2022</i>

Note: Standards that are released multiple times in the same year use: a, b, c, etc. to indicate normative balloted updates and/or r1, r2, r3, etc. to indicate editorial changes to a released document after the year.

Table of Contents

Title	Page Number
NOTICE.....	2
Document Types and Tags.....	3
Document Release History.....	3
Table of Contents.....	4
1. Introduction.....	5
1.1. Executive Summary.....	5
1.2. Scope.....	5
2. Normative References.....	5
2.1. SCTE References.....	5
2.2. Standards from Other Organizations.....	5
2.3. Published Materials.....	5
3. Informative References.....	5
3.1. SCTE References.....	5
3.2. Standards from Other Organizations.....	6
3.3. Published Materials.....	6
4. Compliance Notation.....	6
5. Abbreviations and Definitions.....	6
5.1. Abbreviations.....	6
5.2. Definitions.....	6
6. Endorsement Notice.....	6

1. Introduction

1.1. Executive Summary

The present document provides the SCTE endorsement of CableLabs specification: PKT-SP-MEM1.5-C01-191120.

1.2. Scope

This specification is one of two documents that together define a framework for reporting Management Events in the PacketCable architecture.

This specification defines the general event reporting mechanism and framework. The mechanism consists of a set of protocols and interfaces that can be used by individual elements and components in the PacketCable architecture. This document defines how the SNMPv3 transport protocol, SYSLOG, local log, and the PacketCable Management Event MIB are used to carry management event information to an event management system.

This management event mechanism is further defined and supported by the Management Event Mechanism MIB as specified in [1], and [13] if the latter is implemented by the MTA. Consequently, each reference to the Management Event MIB in this document will correspond to the MIB as defined either in [1], or alternatively, in [1] and [13].

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] Physical Layer Specification, CM-SP-PHYv4.0-I02-200429, April 29, 2019, 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 weighed before choosing a different course.
<i>should not</i>	This phrase means that there may exist valid reasons in particular circumstances when the listed behavior is acceptable or even useful, but the full implications should be understood and the case carefully weighed before implementing any behavior described with this label.
<i>may</i>	This word or the adjective “ <i>optional</i> ” means that this item is truly optional. One vendor may choose to include the item because a particular marketplace requires it or because it enhances the product, for example; another vendor may omit the same item.
<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: PKT-SP-MEM1.5-C01-191120, [1] apply.

5.2. Definitions

For the purposes of the present document, the definitions given in CableLabs specification: PKT-SP-MEM1.5-C01-191120 [1] apply.

6. Endorsement Notice

All elements of CableLabs specification: PKT-SP-MEM1.5-C01-191120. [1] *shall* apply without modifications.