Integrated broadband cable telecommunication networks (CABLE);
Fourth generation transmission systems for interactive cable television services - IP cable modems;
Part 5: Converged cable access platform operations support system interface;
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Foreword

This ETSI Standard (ES) has been produced by ETSI Technical Committee Integrated broadband cable telecommunication networks (CABLE).

The present document is part 5 of a multi-part deliverable covering the fourth generation transmission systems for interactive cable television services - IP cable modems. Full details of the entire series can be found in part 1 [2].

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Modal verbs terminology

In the present document "shall", "shall not", "should", "should not", "may", "need not", "will", "will not", "can" and "cannot" are to be interpreted as described in clause 3.2 of the ETSI Drafting Rules (Verbal forms for the expression of provisions).

"must" and "must not" are NOT allowed in ETSI deliverables except when used in direct citation.
1 Scope

The present document provides the ETSI endorsement of ANSI/SCTE Standard 220-4 [1].

ANSI/SCTE Standard 220-4 is part of a series of specifications that defines the fourth generation of high-speed data-over-cable systems, commonly referred to as the DOCSIS 3.1 specifications. The standard was developed for the benefit of the cable industry, and includes contributions by operators and vendors from North and South America, Europe and Asia.

ANSI/SCTE Standard 220-4 defines the requirements necessary for the configuration, fault management and performance management of Cable Modem Termination Systems (CMTS) and the Converged Cable Access Platform (CCAP) system. The intent of the standard is to define a common, cross-vendor set of functionality for the configuration and management of CMTSs and CCAPs.

The standard defines a configuration object model for the configuration of the CCAP. The standard also defines the SNMP management requirements for a CCAP. These SNMP requirements include both protocol conformance and management object definitions, based largely upon existing industry standard management objects found in DOCSIS CMTSs and Universal EQAMs. In addition, this standard defined the event messaging requirements of a CCAP system.

ANSI/SCTE Standard 220-4 corresponds to the CableLabs specification [i.1].

2 References

2.1 Normative references

 References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are necessary for the application of the present document.


[2] ETSI ES 203 311-1: "Integrated broadband cable telecommunication networks (CABLE); Fourth generation transmission systems for interactive cable television services - IP cable modems; Part 1: General; DOCSIS® 3.1".

2.2 Informative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

3 Definition of terms, symbols and abbreviations

3.1 Terms
For the purposes of the present document, the terms given in ANSI/SCTE 220-4 [1] apply.

3.2 Symbols
Void.

3.3 Abbreviations
For the purposes of the present document, the abbreviations given in ANSI/SCTE 220-4 [1] apply.

Endorsement notice
Annex A (informative):
Change History

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