



**SLOVENSKI STANDARD**  
**SIST ES 203 311-5 V1.1.1:2020**

**01-maj-2020**

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**Integrirana širokopasovna kabelska telekomunikacijska omrežja (CABLE) - Četrta generacija prenosnih sistemov za storitve interaktivne kabelske televizije - IP-kabelski modemi - 5. del: Sistemski vmesnik za podporo delovanju platforme za združen kabelski dostop - DOCSIS® 3.1 [ANSI/SCTE 220-4 2016]**

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 - DOCSIS® 3.1 [ANSI/SCTE 220-4 2016]

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**ICS:**

33.060.40      Kabelski razdelilni sistemi      Cabled distribution systems

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# ETSI ES 203 311-5 V1.1.1 (2019-05)



**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;  
DOCSIS® 3.1  
[ANSI/SCTE 220-4 2016]**

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**Reference**DES/CABLE-00025-5

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**Keywords**access, broadband, cable, docsis, endorsement,  
IP, IPcable**ETSI**650 Route des Lucioles  
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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).

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# 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].

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## 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.

Referenced documents which are not found to be publicly available in the expected location might be found at <https://docbox.etsi.org/Reference/>.

NOTE: While any hyperlinks included in this clause were valid at the time of publication, ETSI cannot guarantee their long term validity.

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

- [1] ANSI/SCTE 220-4 (2016): "DOCSIS 3.1 Part 4: CCAP Operations Support System Interface Specification".
- [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.

- [i.1] Cable Television Laboratories, Inc.: "CCAP Operations Support System Interface Specification", CM-SP-CCAP-OSSIV3.1-I06-151210.

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## 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.

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## Endorsement notice

All elements of ANSI/SCTE 220-4 [1] shall apply without modifications.

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## Annex A (informative): Change History

Date	Version	Information about changes
2019	1.1.1	First publication of the document after approval by ETSI TC CABLE

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