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Technical Specification

Access, Terminals, Transmission and Multiplexing (ATTM);
Integrated Broadband Cable and Television Networks;
IPCablecom 1.5;
Part 17: CMS Subscriber Provisioning Specification

Reference
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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Access, Terminals, Transmission and Multiplexing (ATTM).

The present document is part 17 of a multi-part deliverable covering Access, Terminals, Transmission and Multiplexing (ATTM); Integrated Broadband Cable and Television Networks; IPCablecom 1.5, as identified below:

Part 1: "Overview";

Part 2: "Architectural framework for the delivery of time critical services over cable Television networks using cable modems";

Part 3: "Audio Codec Requirements for the Provision of Bi-Directional Audio Service over Cable Television Networks using Cable Modems";

Part 4: "Network Call Signalling Protocol";

Part 5: "Dynamic Quality of Service for the Provision of Real Time Services over Cable Television Networks using Cable Modems";

Part 6: "Event Message Specification";

Part 7: "Media Terminal Adapter (MTA) Management Information Base (MIB)";

Part 8: "Network Call Signalling (NCS) MIB Requirements";

Part 9: "Security";

Part 10: "Management Information Base (MIB) Framework";

Part 11: "Media Terminal Adapter (MTA) device provisioning";

Part 12: "Management Event Mechanism";

Part 13: "Trunking Gateway Control Protocol - MGCP option";

Part 14: "Embedded MTA Analog Interface and Powering Specification";

Part 15 "Analog Trunking for PBX Specification";

Part 16: "Signalling for Call Management Server";

Part 17: "CMS Subscriber Provisioning Specification";

Part 18: "Media Terminal Adapter Extension MIB";

Part 19: "IPCablecom Audio Server Protocol Specification - MGCP option";

Part 20: "Management Event MIB Specification";

Part 21: "Signalling Extension MIB Specification".

NOTE 1: Additional parts may be proposed and will be added to the list in future versions.

NOTE 2: The choice of a multi-part format for this deliverable is to facilitate maintenance and future enhancements.

1 Scope

The present document defines the interface used between the Call Management Server (CMS) and Provisioning Server (PS) for the exchange of service provisioning information. The interface employs a Web Service model. Specified in Web Service Description Language 1.1 (WSDL 1.1), the interface transports XML encoded objects within Simple Object Access Protocol 1.1 (SOAP 1.1) encoded messages over an HTTP 1.1 transport. This interface is secured via IPSec.

The data model transported upon this interface is specifically designed to be extensible, allowing incorporation of as yet undefined IPCablecom features and specific vendor extensions.

The scope of the present document is limited to the provisioning of an IPCablecom CMS by a single service provider. Additionally:

- The CMS provisioning interface is limited to the exchange of service activation data between the CMS and the PS. The interface between the PS and the back-office Operations Support System (OSS) is out of scope.
- CMS element management and network element provisioning (dial plans, etc.) are out of scope.
- Customer record creation/billing is considered part of the back-office OSS application and is currently out of scope.

2 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 reference document (including any amendments) applies.

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

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2.1 Normative references

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

[1] PacketCable 1.5 PKT-TR-ARCH1.5-V02-700412: "Architecture Framework Technical Report", April 12 2007, Cable Television Laboratories, Inc.

[2] PacketCable 1.5 PKT-SP-PROV1.5-I04-090624: "MTA Device Provisioning Specification", June 24 2009, Cable Television Laboratories, Inc.

[3] PacketCable 1.5 PKT-SP-SEC1.5-I03-090624: "Security Specificaiton", June 24 2009, Cable Television Laboratories, Inc.

[4] Void.

[5] Void.

[6] Void.