

ETSI TS 187 021 V3.1.1 (2011-09)



**Telecommunications and Internet converged Services and
Protocols for Advanced Networking (TISPAN);
Security services and mechanisms for customer premises
networks connected to TISPAN NGN**

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN).

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1 Scope

The present document specifies the functional models and information flows (stage 2) and protocols (stage 3) which implement the security services and mechanisms required to provide security in a Customer Premises Network (CPN) to support the overall security architecture for NGN release 3. CPN security services and mechanisms are used either singly or in combination to realize the CPN security requirements specified in TS 187 001 [1] (NGN Security requirements). Reference will be made to TR 185 012 [i.1] for security mechanisms that have been shown to be appropriate for CPN environment.

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.

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2.1 Normative references

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

- [1] ETSI TS 187 001: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); NGN SECurity (SEC); Requirements".
- [2] ETSI TS 185 006: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Customer Devices architecture and Reference Points".
- [3] ETSI TS 185 003: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Customer Network Gateway (CNG) Architecture and Reference Points".
- [4] ETSI TS 187 003: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); NGN Security; Security Architecture".
- [5] Broadband Forum TR-069 Amendment 3: "CPE WAN Management Protocol", November 2010.
- [6] Broadband Forum TR-157 Amendment 3: "Component Objects for CWMP", November 2010.

2.2 Informative references

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] ETSI TR 185 012: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN) Feasibility study of security mechanisms for customer premises networks connected to TISPAN NGN".
- [i.2] IETF RFC 5209 (June 2008): "Network Endpoint Assessment (NEA): Overview and Requirements".
- [i.3] ETSI ES 282 003: "Telecommunications and Internet converged Services and Protocols for advanced Networking (TISPAN); Resource and Admission Control Sub-System (RACS): Functional Architecture".