

ETSI TS 187 005 V3.1.1 (2012-06)



Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); NGN Lawful Interception; Stage 1 and Stage 2 definition

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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).

Introduction

The NGN is required to operate within a regulated environment and to comply to the privacy directive EC/2002/58 [i.1] which identifies in articles 5(2), and 15(1) the framework and obligation for CSPs to provide facilities for Lawful Interception and Data Retention. These obligations are further extended by the European Union Council Resolution COM 96/C329/01 [15] along with the International User Requirement (IUR) [16], stating the obligations on member states to provide facilities for LI. These documents and the requirements in them are respected in a balanced way in the present document.

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1 Scope

The present document specifies the stage 2 model for Lawful Interception (LI) of TISPAN NGN services as specified by TR 180 001 [i.3].

The requirement for provision of lawful interception for all Communication Service Providers (CSP) is described in TS 101 331 [3] and the present document gives the stage 1 and stage 2 definition for provision of an interception capability in for the NGN as specified by TISPAN.

The provisions in the present document apply only when the target of interception is an NGN user identified as specified in TS 184 002 [7], and when the network supplying services on behalf of the CSP is an NGN as specified by TISPAN in TR 180 001 [i.3] and where the NGN architecture is as specified in ES 282 001 [1]. The present document takes account of the requirement to support dynamic triggering of interception.

A guide to the application of the handover specifications is given in informative annexes.

NOTE 1: Handover aspects are not specified in the present document but are described in TS 133 108 [9], TS 101 671 [2] and TS 102 232-1 [4], TS 102 232-5 [5], and TS 102 232-6 [6].

NOTE 2: The present document assumes that the LEA/LEMF receiving intercept related information records from the NGN is able to decode NGN signalling streams and thus there is no definition in the present document of how to present NGN data in non-NGN formats.

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 ES 282 001: "Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); NGN Functional Architecture".
- [2] ETSI TS 101 671: "Lawful Interception (LI); Handover interface for the lawful interception of telecommunications traffic".
- [3] ETSI TS 101 331: "Lawful Interception (LI); Requirements of Law Enforcement Agencies".
- [4] ETSI TS 102 232-1: " Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 1: Handover specification for IP delivery".
- [5] ETSI TS 102 232-5: "Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 5: Service-specific details for IP Multimedia Services".
- [6] ETSI TS 102 232-6: "Lawful Interception (LI); Handover Interface and Service-Specific Details (SSD) for IP delivery; Part 6: Service-specific details for PSTN/ISDN services".
- [7] ETSI TS 184 002: "Telecommunications and Internet Converged Services and Protocols for Advanced Networking (TISPAN); Identifiers (IDs) for NGN".