

**Services and Protocols for Advanced Networks (SPAN);
Service Provider Access;
Service Provider Access Requirements
in a Fixed and Mobile Environment**



Reference

REG/SPAN-141608

Keywords

access, internet, management, mobility, NNI,
protocol, roaming, UMTS, UNI, UPT

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Association à but non lucratif enregistrée à la
Sous-Préfecture de Grasse (06) N° 7803/88

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Foreword

This ETSI Guide (EG) has been produced by ETSI Technical Committee Services and Protocols for Advanced Networks (SPAN).

1 Scope

The present document lists the second set of network access requirements that Service Providers (SP) have in delivering telecommunication services including, but not limited to, second and third generation mobile, cordless and fixed services, over one or more operator's networks. As used here, telecommunication services include: voice telephony, multimedia and data, to name a few areas. The network requirements also include mobility-, Internet- and broadband-related aspects that were not yet covered by the preceding EG 201 722 [3] which address the first set of access requirements that Service Providers (SPs) have in delivering services over one or more Public Telecommunications Networks (PTNs), primarily fixed PTNs. A companion document, EG 201 807 [4] addresses network operators' requirements for the delivery of service provider access.

The scope of the present document is to describe generic functional requirements regarding the service provider access (SPA). The priority of each requirement is based on the need perceived from the service provider's viewpoint. To fulfil these requirements, appropriate protocols may have to be enhanced or developed based on information flows and taking into account network integrity considerations expressed in the present document.

Clause 4 contains introductory text describing the background and motivations of the second set of requirements of a SPA. Clause 5 contains a summary of requirements regarding the Service Provider Access Interface (SPAI) and a framework that helps the reader to get an overview. Clause 6 contains a description of the requirements involving Circuit-Related (CR) and Non-Circuit Related (NCR) aspects of the SPAI.

The present document relates to the role of the SP and the role of the Public Network Operator (PNO), with the realization that market players may act in multiple roles. This is in alignment with the current EC directives.

Service interaction aspects are outside the scope of the present document.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication and/or edition number or version number) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies.

- [1] Directive 98/10/EC of the European Parliament and of the Council of 26 February 1998 on the application of open network provision (ONP) to voice telephony and on universal service for telecommunications in a competitive environment.
- [2] Directive 97/33/EC of the European Parliament and of the Council of 30 June 1997 on interconnection in Telecommunications with regard to ensuring universal service and interoperability through application of the principles of Open Network Provisions (ONP).
- [3] ETSI EG 201 722: "Intelligent Network (IN); Service provider access requirements; Enhanced telephony services".
- [4] ETSI EG 201 807: "Network Aspects (NA); Intelligent Network (IN); Network operators' requirements for the delivery of service provider access".
- [5] ETSI EG 201 899: "Services and Protocols for Advanced Networks (SPAN); Service Provider Access; Modelling service provider access requirements using an API approach".
- [6] ETSI ETS 300 374-1: "Intelligent Network (IN); Intelligent Network Capability Set 1 (CS1); Core Intelligent Network Application Protocol (INAP); Part 1: Protocol specification".
- [7] ETSI EN 301 140-1: "Intelligent Network (IN); Intelligent Network Application Protocol (INAP); Capability Set 2 (CS2); Part 1: Protocol specification".