



SLOVENSKI STANDARD **SIST-TP ETSI/ETR 186-1 E1:2005**

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Intelligentno omrežje (IN) - Medsebojno vplivanje med aplikacijskim protokolom inteligentnega omrežja (INAP) in signalizacijskimi protokoli digitalnega omrežja z integriranimi storitvami (ISDN) - 1. del: Komutacijske signalizacijske zahteve za podporo storitvam nabora zmognosti 1 (CS1) inteligentnega omrežja (IN) v okolju ozkopasovnega digitalnega omrežja z integriranimi storitvami (N-ISDN)

Intelligent Network (IN); Interaction between IN Application Protocol (INAP) and Integrated Services Digital Network (ISDN) signalling protocols; Part 1: Switching signalling requirements for IN Capability Set 1 (CS1) service support in a Narrowband ISDN (N-ISDN) environment

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Foreword

This ETSI Technical Report (ETR) has been produced by the Signalling Protocols and Switching (SPS), Technical Committee of the European Telecommunications Standards Institute (ETSI).

ETRs are informative documents resulting from ETSI studies which are not appropriate for European Telecommunication Standard (ETS) or Interim European Telecommunication Standard (I-ETS) status. An ETR may be used to publish material which is either of an informative nature, relating to the use or the application of ETSs or I-ETSs, or which is immature and not yet suitable for formal adoption as an ETS or an I-ETS.

This ETR is part 1 of a multi-part ETR covering the interactions between the Intelligent Network Application Protocol (INAP) and Integrated Services Digital Network (ISDN) signalling protocols as described below:

Part 1: "Switching signalling requirements for IN Capability Set 1 (CS1) service support in a Narrowband ISDN (N-ISDN) environment";

Part 2: "Switching signalling requirements for IN Capability Set 2 (CS2) service support in a Narrowband ISDN (N-ISDN) environment".

NOTE: Additional parts may cover further development in the IN area.

The standardization works in the fields of ISDN and IN have progressed as parallel, independent activities. Hence no consideration has been given to the provision of IN based services in an ISDN environment. This ETR seeks to give guidance and clarification to the signalling requirements needed to fully support IN Capability Set 1 (CS1) services in a Narrowband ISDN (N-ISDN) environment.

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1 Scope

This ETSI Technical Report (ETR) is the first part of a multi-part ETR specifying the signalling requirements for the interaction between Intelligent Network (IN) and Integrated Services Digital Network (ISDN).

This ETR specifies the signalling requirements for the interaction between IN Capability Set 1 (CS1) services and ISDN User Part (ISUP)/Digital Subscriber Signalling System No. one (DSS1) protocol switch based services in case these interactions have to be supported by signalling. It is based on the ETSI core Intelligent Network Application Protocol (INAP) as specified in ETS 300 374-1 [1].

Signalling requirements for a service-transparent out-of-band signalling for the interaction of an ISDN user with an IN service are specified in the second part ETR 186.

2 References

This ETR incorporates by dated and undated reference, provisions from other publications. These references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETR only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 374-1 (1994): "Intelligent Network (IN); Intelligent Network Capability Set 1 (CS1); Core Intelligent Network Application Protocol (INAP); Part 1: Protocol specification".
- [2] CCITT Recommendation E.164 (1991): "Numbering plan for the ISDN era".
- [3] ITU-T Recommendation I.112 (1993): "Vocabulary of terms for ISDNs".
- [4] ITU-T Recommendation Q.713 (1993): "Signalling System No.7 - SCCP formats and codes".
- [5] ITU-T Recommendation Q.1290 (1993): "Glossary of terms used in the definition of intelligent networks".

3 Definitions and abbreviations

For the purposes of this ETR, the definitions given in ITU-T Recommendations I.112 [3] and Q.1290 [5] apply.

4 Abbreviations

For the purposes of this ETR, the following abbreviations apply:

| | |
|------|--|
| ACM | Address Complete Message (ISUP message) |
| ANM | Answer Message (ISUP message) |
| CCC | Credit Card Calling |
| CCF | Call Control Function |
| CFB | Call Forwarding Busy |
| CFNR | Call Forwarding No Reply |
| CFU | Call Forwarding Unconditional |
| COLP | Connected Line identification Presentation |
| COLR | Connected Line identification Restriction |
| CS1 | Capability Set 1 |
| DTMF | Dual Tone Multi-Frequency |
| DSS1 | Digital Subscriber Signalling System No. one |
| ID | Identity |
| IN | Intelligent Network |
| INAP | Intelligent Network Application Protocol |
| IP | Intelligent Peripheral |
| ISDN | Integrated Services Digital Network |