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Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 4: Gateways basic operation; Sub-part 3: Data networks gateway

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33.070.10	Prizemni snopovni radio (TETRA)	Terrestrial Trunked Radio (TETRA)

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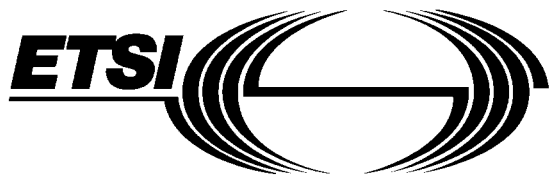
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Foreword

This European Telecommunication Standard (ETS) has been produced by the Terrestrial Trunked Radio (TETRA) Project of the European Telecommunications Standards Institute (ETSI).

This ETS is a multi-part standard and will consist of the following parts:

Part 1:   "General network design";

Part 2:   "Air Interface (AI)";

Part 3:   "Interworking at the Inter-System Interface (ISI)";

Part 4:   "Gateways basic operation";

Part 5:   "Peripheral Equipment Interface (PEI)";

Part 6:   "Line connected Station (LS)";

Part 7:   "Security";

Part 9:   "General requirements for supplementary services";

Part 10:   "Supplementary services stage 1";

Part 11:   "Supplementary services stage 2";

Part 12:   "Supplementary services stage 3";

Part 13:   "SDL model of the Air Interface (AI)";

Part 14:   "Protocol Implementation Conformance Statement (PICS) proforma specification".

Transposition dates

Date of adoption of this ETS:	4 June 1999
Date of latest announcement of this ETS (doa):	30 September 1999
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	31 March 2000
Date of withdrawal of any conflicting National Standard (dow):	31 March 2000

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1 Scope

This ETS specifies Packet mode Data Network (PDN) gateways for TETRA Switching and Management Infrastructures (SwMI).

The circuit mode data services and Internet Protocol (IP) issues are outside the scope of this ETS.

The information exchange about address mapping between the TETRA air interface address and any external data network address due to migration between TETRA SwMIs is outside the scope of this gateway standard.

The gateway functions are defined as required by the used upper network layer protocol and are outside the scope of this standard.

2 Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative 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 ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

[1]   ETS 300 392-1: "Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 1: General network design".

[2]   ETS 300 392-2: "Terrestrial Trunked Radio (TETRA); Voice plus Data (V+D); Part 2: Air Interface (AI)".

[3]   ITU-T Recommendation X.35 (1993): "Interface between a PSPDN and a Private PSDN which is based on X.25 procedures and enhancements to define a gateway function that is provided in the PSPDN".

[4]   ITU-T Recommendation X.75 (1993): "Packet-switched signalling system between public networks providing data transmission services".

[5]   ITU-T Recommendation X.31 (1995): "Support of packet mode terminal equipment by an ISDN".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of this ETS, the following terms and definitions apply:

TETRA user: user within TETRA addressing domain and utilizes a data network gateway.

3.2 Abbreviations

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

CLNP   ConnectionLess Network Protocol
CONP   Connection Oriented Network Protocol
CONS   Connection Oriented Network Service
GTSI   Group TETRA Subscriber Identity
IP   Internet Protocol
ITSI   Individual TETRA Subscriber Identity
NSAP   Network Service Access Point
PDN   Packet mode Data Network
SCLNS   Specific ConnectionLess Network Service
SwMI   Switching and Management Infrastructure