



SLOVENSKI STANDARD
SIST ETS 300 393-10 E1:2003

01-december-2003

Prizemni snopovni radio (TETRA) – Optimiran sistem za prenos paketiranih podatkov (PDO) – 10. del: Model SDL radijskega vmesnika (AI)

Terrestrial Trunked Radio (TETRA); Packet Data Optimized (PDO); Part 10: SDL model of the Air Interface (AI)

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Ta slovenski standard je istoveten z: **ETS 300 393-10 Edition 1**

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ICS:

33.070.10	Prizemni snopovni radio (TETRA)	Terrestrial Trunked Radio (TETRA)
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EUROPEAN
TELECOMMUNICATION
STANDARD

ETS 300 393-10

July 1999

Source: TETRA

Reference: DE/TETRA-04004-10

ICS: 33.020

Key words: TETRA, PDO, protocol, SDL

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Foreword

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

This ETS consists of 5 parts as follows:

Part 1: "General network design";

Part 2: "Air Interface (AI)";

Part 7: "Security";

Part 10: "SDL model of the Air Interface (AI)";

Part 11: "Protocol Implementation Conformance Statement (PICS) proforma specification".

Transposition dates	
Date of adoption of this ETS:	2 July 1999
Date of latest announcement of this ETS (doa):	31 October 1999
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	30 April 2000
Date of withdrawal of any conflicting National Standard (dow):	30 April 2000

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1 Scope

This European Telecommunication Standard (ETS) defines the Specification and Description Language (SDL) model of the TETRA PDO Air Interface.

2 References

This ETS 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 ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 393-2: "Terrestrial Trunked Radio (TETRA); Packet Data Optimized (PDO); Part 2: Air Interface (AI)".
- [2] ITU-T Recommendation Z.100 (1993): "CCITT specification and description language (SDL)".

3 Abbreviations

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

CONP	Connection Oriented Network Protocol
MLE	Mobile Link Entity
MM	Mobility Management
MS	Mobile Station
PDO	Packet Data Optimized
PDU	Protocol Data Unit
SAP	Service Access Point
SCLNP	Specific ConnectionLess Network Protocol
SDL	Specification and Description Language
SP	Service Primitive
TETRA	Terrestrial Trunked Radio

4 General

The Specification and Description Language (SDL) model defined in this ETS is the TETRA Packet Data Optimized (PDO) Mobile Station (MS). The model is based on the description given in ETS 300 393-2 [1]. Even though some base station functionality has been given in ETS 300 392-2 [1] this has not been defined in the SDL model. Specification of concurrent services for the TETRA protocol stack is not in the scope of this ETS. In case there are any conflicts between the SDL model and ETS 300 393-2 [1], the textual specification should be taken as the correct description instead of the SDL model.

Due to the fact that SDL is not suitable for bit exact data description, there is no data description given in this ETS. The names of the signals and the parameters are the same as in ETS 300 393-2 [1] where the use of SDL defined in ITU-T Recommendation Z.100 [2] has permitted it.

The SDL model in this ETS is created from the SDL validation model of TETRA PDO leaving out detailed descriptions that were necessary for validation purposes only. Generally only SDL blocks and processes of the TETRA MS validation model have been included. SDL procedures have been included in the model in case there is a non-trivial functionality in a procedure that is not obvious from the naming or use of the procedure.