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Prizemni snopovni radio (TETRA) - Govorni kodek za prometni kanal s polno hitrostjo - 1. del: Splošni opis govornih funkcij

Terrestrial Trunked Radio (TETRA); Speech codec for full-rate traffic channel; Part 1: General description of speech functions

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Part 1: General description of speech functions

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Foreword

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This ETS consists of four parts as follows:

Part 1: **"General description of speech functions";**

Part 2: "TETRA CODEC";

Part 3: "Specific operating features";

Part 4: "Codec conformance testing".

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1 Scope

This European Telecommunication Standard (ETS) is an introduction to the other parts of this ETS dealing with the speech processing functions in the TETRA system. In addition to this introduction, this ETS contains the full specification of the speech CODEC including provisions for specific cases of operation and optional functionalities plus CODEC conformance testing. In this part, a general overview of the speech processing parts is given with reference to the ETSs where each part is specified in detail.

2 Normative references

This ETS incorporates, by dated or 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 300 395-2 (1995): "Radio Equipment and Systems (RES); Trans-European Trunked Radio (TETRA); Speech codec for full-rate traffic channel; Part 2: TETRA codec".

[2]   ETS 300 395-3 (1995): "Radio Equipment and Systems (RES); Trans-European Trunked Radio (TETRA); Speech codec for full-rate traffic channel; Part 3: Specific operating features".

[3]   ETS 300 395-4 (1995): "Radio Equipment and Systems (RES); Trans-European Trunked Radio (TETRA); Speech codec for full-rate traffic channel; Part 4: Codec conformance testing".

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[4]   ETS 300 392-2 (1995): "Radio Equipment and Systems (RES); Trans-European Trunked Radio (TETRA); Voice plus Data (V+D); Part 2: Air Interface".

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[5]   ETS 300 392-7 (1995): "Radio Equipment and Systems (RES); Trans-European Trunked Radio (TETRA); Voice plus Data; Part 7: Security".

3 Definitions, and abbreviations

3.1 Definitions

Refer to ETS 300 392-2 [4], clause 3 for common TETRA definitions.

3.2 Abbreviations

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

ACELP	Algebraic CELP
BS	Base Station
CELP	Code-Excited Linear Predictive
MFG	Missing Frame Generation
MFS	Missing Frame Substitution
MS	Mobile Station
PCM	Pulse Code Modulated

Refer to ETS 300 392-2 [4], clause 3 for common TETRA abbreviations.