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speech codec test sequences
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Foreword

This Technical Specification has been produced by the 3GPP.

The present document is an introduction to the speech processing parts of the wideband telephony speech service employing the Adaptive Multi-Rate Wideband (AMR-WB) speech coder within the 3GPP system.

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1 Scope

The present document specifies the digital test sequences for the adaptive multi-rate wideband (AMR-WB) speech codec. These sequences test for a bit-exact implementation of the adaptive multi-rate wideband (AMR-WB) speech transcoder (TS 26.190 [2]), voice activity detection (TS 26.194 [5]), comfort noise (TS 26.192 [3]), and source controlled rate operation (TS 26.193 [4]).

2 Normative references

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

- [1] 3GPP TS 26.201: "AMR wideband speech codec; Frame structure".
- [2] 3GPP TS 26.202: "AMR Wideband Speech Codec; Interface to RAN".
- [3] 3GPP TS 26.190 : 'AMR Wideband Speech Codec; Transcoding functions".
- [4] 3GPP TS 26.193: "AMR Wideband Speech Codec; Source Controlled Rate operation".
- [5] 3GPP TS 26.194: "AMR wideband speech codec; Voice Activity Detection (VAD)".
- [6] 3GPP TS 26.201: "AMR Wideband Speech Codec; Frame structure".
- [7] 3GPP TS 26.173 : 'AMR Wideband Speech Codec; ANSI-C code".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in TS 26.190 [2], TS 26.091 [6], TS 26.192 [3], TS 26.193 [4] and TS 26.194 [5] apply.

3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply: