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Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

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1 Scope

A reference configuration of the transmission chain is shown in 3GPP TS 45.001. According to this reference configuration, the present document specifies the data blocks given to the encryption unit.

It includes the specification of encoding, reordering, interleaving and the stealing flag. It does not specify the channel decoding method.

The definition is given for each kind of logical channel, starting from the data provided to the channel encoder by the speech coder, the data terminal equipment, or the controller of the Mobile Station (MS) or Base Transceiver Station (BTS). The definitions of the logical channel types used in this technical specification are given in 3GPP TS 45.002, a summary is in annex A.

Additionally, the present document describes the characteristics of the coding/multiplexing unit for the Flexible Layer One (FLO) starting from the transport blocks provided by higher layers. An overview of FLO is given in 3GPP TR 45.902.

1.1 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: 'Vocabulary for 3GPP Specifications'.

[2] 3GPP TS 26.090: 'AMR speech Codec; Transcoding Functions'.

[3] 3GPP TS 26.190: 'Mandatory Speech Codec speech processing functions AMR Wideband speech codec; Transcoding functions'.

[4] 3GPP TS 44.018: 'Mobile radio interface layer 3 specification, Radio Resource Control Protocol'.

[5] 3GPP TS 44.021: 'Rate adaption on the Mobile Station - Base Station System (MS - BSS) interface'.

[6] 3GPP TS 44.060: 'General Packet Radio Service (GPRS); Mobile Station (MS) - Base Station System (BSS) interface; Radio Link Control/ Medium Access Control (RLC/MAC) protocol'.

[7] 3GPP TS 45.001: 'Physical Layer on the Radio Path (General Description)'.

[8] 3GPP TS 45.002: 'Multiplexing and multiple access on the radio path'.

[9] 3GPP TS 45.004: 'Modulation'.

[10] 3GPP TS 45.008: 'Radio subsystem link control'.

[11] 3GPP TS 45.009: 'Link adaptation'.

[12] 3GPP TR 45.902: 'Flexible Layer One'.

[13] 3GPP TS 46.010: 'Full rate speech transcoding'.

[14] 3GPP TS 46.020: 'Half rate speech transcoding'.

[15] 3GPP TS 46.060: 'Enhanced full rate speech transcoding'.