Unit Testing of ETSI EVS Codec

Abstract

As a part of software development process, the small testable parts are individually tested for correctness.

A superwideband audio coding standard called Enhanced Voice services provides 20kHz audio bandwidth. The standard intends to provide robustness to delay jitter and packet losses as the coding is channel aware.

Here the problem at hand is the EVS Codec code provided by ETSI. The encoder and decoder code is made in linux into executable files and sample linux scripts are used determine the correctness of coding and decoding.

The successful running of test ensures quality of product.

References
1. Universal Mobile Telecommunications System (UMTS); LTE; Codec for Enhanced Voice Services (EVS); ANSI C code (fixed-point) (3GPP TS 26.442 version 14.2.0 Release 14).

Index Terms

Computer Science

Software Engineering

Keywords

EVS, superwideband, bandwidth, Codec, unit testing.