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**Digital cellular telecommunications system (Phase 2+);
Universal Mobile Telecommunications System (UMTS);
LTE;
Source code for 3GP file format
(3GPP TS 26.412 version 12.0.0 Release 12)**



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Foreword

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Version x.y.z

where:

- x the first digit:
 - 1 presented to TSG for information;
 - 2 presented to TSG for approval;
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- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

Introduction

This document provides information on obtaining reference software for the 3GPP File Format.

1 Scope

The present document serves as a "cover note" for the source code of the 3GPP file format.

2 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 TS 26.244: "Transparent end-to-end Packet-switched Streaming Service (PSS); 3GPP file format (3GP)".
- [2] ISO/IEC 14496-12:2004 "Information technology – Coding of audio-visual objects – Part 12: ISO base media file format".
- [3] ISO/IEC 14496-5:2001 "Information technology – Coding of audio-visual objects – Part 5: Reference software".
- [4] MP4 REG

NOTE: See <http://www.mp4ra.org/>

- [5] ISO/IEC 15444: "Information technology - JPEG 2000 image coding system - Part 12: ISO base media file format".

3 Source code

The definition of the 3GPP file format [1] is derived from the ISO Base Media File Format, as published by ISO/IEC in ISO/IEC 14496-12 (technically identical to 15444-12) [2]. The reference software for the file format is also therefore maintained by ISO/IEC, as part of the overall reference software [3]. However, that reference software was "frozen" some time ago, and more recent versions may be available from the registration authority for the file format, called (for historical reasons) MP4 REG[4].

For convenience, a compiled copy of the library and appropriate headers, for Windows, are included here. The library can be built for other operating systems platforms also, from the source.

Annex A (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Subject/Comment	Old	New
2005-06	SA#28	SP-050244			Approved at TSG SA#28	2.0.0	6.0.0
2007-06	SA#36				Version for Release 7	6.0.0	7.0.0
2008-12	SA#42				Version for Release 8	7.0.0	8.0.0
2009-12	SA#46				Version for Release 9	8.0.0	9.0.0
2011-03	SA#51				Version for Release 10	9.0.0	10.0.0
2012-09	SA#57				Version for Release 11	10.0.0	11.0.0
2014-09	SA#65				Version for Release 12	11.0.0	12.0.0

History

Document history		
V12.0.0	October 2014	Publication