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Technical Specification

3rd Generation Partnership Project;

Technical Specification Group Services and System Aspects;

Source code for 3GP file format

(Release 16)

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# Foreword

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

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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;

3 or greater indicates TSG approved document under change control.

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 |
| 2015-12 | SA#70 |  |  |  | Version for Release 13 | 12.0.0 | 13.0.0 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Change history** | | | | | | | |
| **Date** | **Meeting** | **TDoc** | **CR** | **Rev** | **Cat** | **Subject/Comment** | **New version** |
| 2017-03 | SA#75 |  |  |  |  | Version for Release 14 | 14.0.0 |
| 2018-06 | SA#80 |  |  |  |  | Version for Release 15 | 15.0.0 |
| 2018-07 |  |  |  |  |  | Add missing attachment in zip file | 15.0.1 |
| 2020-07 | - | - | - | - | - | Update to Rel-16 version (MCC) | **16.0.0** |