

# ETSI TS 126 412 V17.0.0 (2022-05)



**Digital cellular telecommunications system (Phase 2+) (GSM);  
Universal Mobile Telecommunications System (UMTS);  
LTE;  
5G;  
Source code for 3GP file format  
(3GPP TS 26.412 version 17.0.0 Release 17)**



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**ETSI**

650 Route des Lucioles  
F-06921 Sophia Antipolis Cedex - FRANCE

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Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Siret N° 348 623 562 00017 - APE 7112B  
Association à but non lucratif enregistrée à la  
Sous-Préfecture de Grasse (06) N° w061004871

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# Foreword

This Technical Specification has been produced by the 3<sup>rd</sup> 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:

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.

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# Introduction

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

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## 1 Scope

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

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## 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".

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## 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

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)	<b>16.0.0</b>
2022-04	-	-	-	-	-	Update to Rel-17 version (MCC)	<b>17.0.0</b>

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# History

<b>Document history</b>		
V17.0.0	May 2022	Publication