

Technical Specification Group Services and System Aspects *TSGS#28 (05)0244*
Meeting #28, Quebec, Canada, 6-9 June 2005

Source: TSG-SA WG4

Title: 3GPP TS 26.412 version 2.0.0 "Source code for 3GP file format" (Release 6)

Agenda Item: 7.4.3

Presentation of Specification to TSG SA Plenary

Presentation to: TSG SA Meeting #28

Document for presentation: TS 26.412 "Source code for 3GP file format", Version 2.0.0 (Release 6).

Presented for: Approval

Abstract of document:

In recent SA4 meetings it became clear that users of 3GPP specifications were having difficulty finding the reference code for the 3GPP file format. In addition, the Enhanced aacPlus source code and the Extended AMR-WB (AMR-WB+) source code both rely on the file-format source code for their file input/output.

Since the file format source code is reference software for MPEG, copyright cannot easily be assigned to 3GPP partners.

However, it does assist users if there is a visible specification which documents how to access the source code. This also provides a single 'indirection point' for other 3GPP specifications (e.g. Enhanced aacPlus or AMR-WB+) that wish to refer to it.

Therefore, 3GPP TS 26.412 has been created to contain this pointer. There is some hope that in the future, it will be possible to provide a copy of the source here also.

This submission includes a compiled library with headers for use on Windows. In order to avoid questions of conflicting copyright, the statement on the headers says that they may be freely copied and distributed.

Changes since last presentation:

This specification is presented to TSG SA Plenary for approval.

Outstanding Issues:

None.

Contentious Issues:

None.

Comment(s):

None.

3GPP TS 26.412 V2.0.0 (2005-06)

Technical Specification

3rd Generation Partnership Project; Technical Specification Group Services and System Aspects Source code for 3GP file format (Release 6)



The present document has been developed within the 3rd Generation Partnership Project (3GPPTM) and may be further elaborated for the purposes of 3GPP.

The present document has not been subject to any approval process by the 3GPP Organizational Partners and shall not be implemented. This Specification is provided for future development work within 3GPP only. The Organizational Partners accept no liability for any use of this Specification. Specifications and reports for implementation of the 3GPPTM system should be obtained via the 3GPP Organizational Partners' Publications Offices.

Keywords

UMTS, packet mode, 3GP file format

3GPP

Postal address

3GPP support office address

650 Route des Lucioles - Sophia Antipolis
Valbonne - FRANCE
Tel.: +33 4 92 94 42 00 Fax: +33 4 93 65 47 16

Internet

<http://www.3gpp.org>

Copyright Notification

No part may be reproduced except as authorized by written permission.
The copyright and the foregoing restriction extend to reproduction in all media.

© 2005, 3GPP Organizational Partners (ARIB, ATIS, CCSA, ETSI, TTA, TTC).
All rights reserved.

Contents

Foreword.....	4
Introduction.....	4
1 Scope	5
2 References	5
3 Source code	5
Annex A (informative): Change history	6

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:

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			Presented to TSG SA#28 for approval	1.0.0	2.0.0