INTERNATIONAL STANDARD

ISO/IEC 14496-5

> Second edition 2001-12-15 **AMENDMENT 32** 2015-08-01

Information technology — Coding of audio-visual objects —

Part 5: **Reference software**

AMENDMENT 32: Reference software for iTeh STmulti-resolution 3D mesh compression

S Technologies de l'information — Codage des objets audiovisuels —

Partie 5: Logiciel de référence ISO/IEC 14496-3 2001/Amd 32 2015

https://standards.iteh. AMENDEMENT/32:1.e5f7507-8c39-4a59-b9b7-6204a7a38d4d/iso-iec-14496-5-2001-amd-32-2015



ISO/IEC 14496-5:2001/Amd 32:2015
https://standards.iteh.ai/catalog/standards/sist/1e5f7507-8c39-4a59-b9b7-6204a7a38d4d/iso-iec-14496-5-2001-amd-32-2015



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2015, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office Ch. de Blandonnet 8 • CP 401 CH-1214 Vernier, Geneva, Switzerland Tel. +41 22 749 01 11 Fax +41 22 749 09 47 copyright@iso.org www.iso.org

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC | TC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 26 to ISO/IEC 14496-5:2001 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

This Amendment introduced a Reference Software for Multi-Resolution 3D Mesh Compression in 3DG Compression Model. This Amendment deals with the reference software of the MR3DMC in 3DGCM tool.

Add 7.x Reference Software for the Multi-Resolution 3D Mesh Compression (MR3DMC):

Information technology — Coding of audio-visual objects —

Part 5:

Reference software

AMENDMENT 32: Reference software for multi-resolution 3D mesh compression

1.1 Reference Software for the Multi-resolution 3D mesh compression (MR3DMC)

1.1.1 Introduction

This is the description of the reference software for MR3DMC. In ISO/IEC 14496-5:2001/Amd.22, the general description of reference software for ISO/IEC 14496-25 (called as MP25) is explained. This Subclause describes MR3DMC method based on the MP25.

iTeh STANDARD PREVIEW (standards.iteh.ai)

1.1.2 Description of Classes

This Subclause describes the new classed added for MR3DMC.

Class	Files	Folder Structure	Description	
PTFANDecoder	SC3DMC_PTFANDe	e-Libraries\MR3DMC\SC3DMC DecoderLib\h	Class containing PTFAN decoding	
	SC3DMC_PTFANDe	e-Libraries\MR3DMC\SC3DMC DecoderLib\cpp		
PTFANEncoder	SC3DMC_PTFANEr coder.h	n-Libraries\MR3DMC\SC3DMC EncoderLib\h	Class containing PTFAN encoding	
	SC3DMC_PTFANEr coder.cpp	n-Libraries\MR3DMC\SC3DMC EncoderLib\cpp		
ValenceConnec tivityDecoder	_tyDecoder.h	i-Libraries\MR3DMC\SC3DMC DecoderLib\h	Class containing valence-based connectivity decoding function	
	ValenceConnective tyDecoder.cpp	i-Libraries\MR3DMC\SC3DMC DecoderLib\cpp		
ValenceConneci tivytEncoder	_tyEncoder.h	i-Libraries\MR3DMC\SC3DMC EncoderLib\h ARD PRE	Class containing valence-based connectivity encoding function	
	ValenceConnective tyEncoder.cpp	i-Libraries\MR3DMC\SC3DMC EncoderLib\cpp		
MR3DMC Decoder			Main Class of MR3DMC decoder. Ht decodes the header and calls	
	MR3DMC_Decode cpp	04a7a38d4d/iso-iec-14496-5-2001-amd-3 r.Libraries\MR3DMC\ SC3DM0 _Decoder	corresponding functions.	
M R 3 D M C Encoder	MR3DMC_Encoder.l	Libraries\MR3DMC\SC3DMC Encoder	_Main Class of MR3DMC encoder. It decodes the header and calls	
	MR3DMC_Decode cpp	r.Libraries\MR3DMC\SC3DMC Encoder	corresponding functions. -	

