INTERNATIONAL STANDARD

ISO/IEC 14496-5

Information technology — Coding of audio-visual objects —

Part 5:
Reference software

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

Technologies de l'information — Codage des objets audiovisuels —

Partie 5: Logiciel de référence

AMENDEMENT 32:

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ISO/IEC 14496-5:2001/Amd 32:2015
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Foreword

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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):

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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.

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1.1.2 Description of Classes

This Subclause describes the new classed added for MR3DMC.

Class	Files	Folder Structure	Description
PTFANDecoder	SC3DMC_PTFANDe-coder.h	Libraries\MR3DMC\SC3DMC_DecoderLib\h	Class containing PTFAN decoding function
	SC3DMC_PTFANDe-coder.cpp	Libraries\MR3DMC\SC3DMC_DecoderLib\cpp	
PTFANEncoder	SC3DMC_PTFANEn-coder.h	Libraries\MR3DMC\SC3DMC_EncoderLib\h	Class containing PTFAN encoding function
	SC3DMC_PTFANEn-coder.cpp	Libraries\MR3DMC\SC3DMC_EncoderLib\cpp	
ValenceConnec-tivityDecoder	ValenceConnectivi-tyDecoder.h	Libraries\MR3DMC\SC3DMC_DecoderLib\h	Class containing valence-based connectivity decoding function
	ValenceConnectivi-tyDecoder.cpp	Libraries\MR3DMC\SC3DMC_DecoderLib\cpp	
ValenceConneci-tivytEncoder	ValenceConnectivi-tyEncoder.h	Libraries\MR3DMC\SC3DMC_EncoderLib\h	Class containing valence-based connectivity encoding function
	ValenceConnectivi-tyEncoder.cpp	Libraries\MR3DMC\SC3DMC_EncoderLib\cpp	
M R 3 D M C _ Decoder	MR3DMC_Decoder.h	Libraries\MR3DMC\SC3DMC_Decoder	Main Class of MR3DMC decoder. It decodes the header and calls corresponding functions.
	MR3DMC_Decoder.cpp	Libraries\MR3DMC\ SC3DMC _Decoder	
M R 3 D M C _ Encoder	MR3DMC_Encoder.h	Libraries\MR3DMC\SC3DMC_Encoder	Main Class of MR3DMC encoder. It decodes the header and calls corresponding functions.
	MR3DMC_Decoder.cpp	Libraries\MR3DMC\SC3DMC_Encoder	

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