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AMENDMENT 36
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Information technology — Coding of audio-visual objects —

Part 5: Reference software

AMENDMENT 36: Pattern-based 3D mesh coding reference software

Technologies de l'information — Codage des objets audiovisuels —

Partie 5: Logiciel de référence

AMENDEMENT 36: Logiciel de référence d'encodage de maille en 3D basé sur les modèles

Reference number
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The committee responsible for this document is ISO/IEC JTC 1, *Information technology*, SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

This Amendment introduces a reference software for Pattern-based 3D mesh compression in 3DG compression model. This Amendment deals with the reference software of the PB3DMC in 3DGCM tool.

Information technology — Coding of audio-visual objects —

Part 5:
Reference software

AMENDMENT 36: Pattern-based 3D mesh coding reference software

Add 7.6.x Reference software for the Pattern-based 3D mesh compression (PB3DMC):

7.6 Reference software for the Pattern-based 3D mesh compression (PB3DMC)

7.6.1 General

This is the description of the reference software for PB3DMC. In ISO/IEC 14496-5:2001/Amd.22, the general description of reference software for ISO/IEC 14496-25 (called MP25) is explained. This subclause describes PB3DMC method-based on MP25.

7.6.2 Description of classes

This subclause describes the new classes added for PB3DMC.

Class	Files	Folder structure	Description
MyPB3DMCDecoder	MyPB3DMCDecoder.h	include\PB3DMC_Decoder\MyPB3DMCDecoder.h	Class containing PB3DMC decoding function
	MyPB3DMCDecoder.cpp	DecoderLib\MyPB3DMCDecoder.cpp	
MyAdvTransDecoder	MyAdvTransDecoder.h	include\PB3DMC_Decoder\MyAdvTransDecoder.h	Class containing instance transformation information decoding function used by PB3DMC decoding
	MyAdvTransDecoder.cpp	DecoderLib\MyAdvTransDecoder.cpp	
MyPB3DMCEncoder	MyPB3DMCEncoder.h	include\PB3DMC_Encoder\MyPB3DMCEncoder.h	Class containing PB3DMC encoding function
	MyPB3DMCEncoder.cpp	EncoderLib\MyPB3DMCEncoder.cpp	
MyAdvTransEncoder	MyAdvTransEncoder.h	include\PB3DMC_Encoder\MyAdvTransEncoder.h	Class containing instance transformation information encoding function used by PB3DMC decoding
	MyAdvTransEncoder.cpp	EncoderLib\MyAdvTransEncoder.cpp	

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