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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**

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

*Partie 5: Logiciel de référence*

ISO/IEC 14496-5:2001/Amd 36:2015

<https://standards.iteh.ai/catalog/standards/iso-iec/14496-5:2001-amd-36-2015>  
AMENDEMENT 36: Logiciel de référence d'encodage de maille en 3D  
basé sur les modèles

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Reference number  
ISO/IEC 14496-5:2001/Amd.36:2015(E)



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ISO/IEC 14496-5:2001/Amd 36:2015  
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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 3DPCM tool.

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# 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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