



**INTERNATIONAL STANDARD ISO/IEC 14496-5:2001/Amd.27:2011**  
**TECHNICAL CORRIGENDUM 1**

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION  
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## **Information technology — Coding of audio-visual objects**

### **Part 5: Reference software**

**AMENDMENT 27: Scalable complexity 3D mesh coding reference software**

**TECHNICAL CORRIGENDUM 1**

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

*Partie 5: Logiciel de référence*

*AMENDEMENT 27: Logiciel de référence d'encodage de maille en 3D de complexité atteignable*

*RECTIFICATIF TECHNIQUE 1*

Technical Corrigendum 1 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*.

Replace 7.5.2.2 QBCR class

With the following

**7.5.2.2 QBCR Classes**

Class	Function	Files	Description
QBCREncoder	EncodeDataBuffer	SC3DMC_QBCR_Encoder.cpp, SC3DMC_QBCR_Encoder.h,	Main encoding function that encode the input data
QBCREncoder	EncodeFloatArray	SC3DMC_utils.cpp, SC3DMC_utils.h,	Encode the floating data like coordinate, normal, and color, etc. Inside this function, index encoding function (EncodeIntArray()) is encapsulated.
QBCRDecoder	DecodeDataBuffer	SC3DMC_QBCR_Decoder.cpp, SC3DMC_QBCR_Decoder.h,	Main decoding function that encode the input data
QBCRDecoder	DecodeIntArray	SC3DMC_utils.cpp, SC3DMC_utils.h,	Decode (inverse binarization) the int data like index
QBCRDecoder	DecodeFloatArray	SC3DMC_utils.cpp, SC3DMC_utils.h,	Decode (invesrse binization) the floating data like coordinate, normal, and color, etc.

Replace 7.5.2.3 SVA class

With the following

**7.5.2.3 SVA Classes**

Class	Function	Files	Description
SVAEncoder	SetIFS()	SC3DMC_SVA_Encoder.cpp, SC3DMC_SVA_Encoder.h,	Set the IFS data to the internal member value
SVAEncoder	SetParams	SC3DMC_SVA_Encoder.cpp, SC3DMC_SVA_Encoder.h,	Set the encoding parameters
SVAEncoder	EncodeDataBuffer	SC3DMC_SVA_Encoder.cpp, SC3DMC_SVA_Encoder.h,	The main encoding function that encode the data
SVAIndexEncoder	Encode_Connectivity	SC3DMC_SVA_IndexEncoder.cpp, SC3DMC_SVA_IndexEncoder.h	Encode the index information of the input data
SVAIndexEncoder	CircularDifferenceForConnectivity	SC3DMC_SVA_IndexEncoder.cpp, SC3DMC_SVA_IndexEncoder.h	Preform the circular difference process
SVAIndexEncoder	InverseRotation	SC3DMC_SVA_IndexEncoder.cpp, SC3DMC_SVA_IndexEncoder.h	Perform the inverse rotation process
SVAIndexEncoder	Rotation	SC3DMC_SVA_IndexEncoder.cpp, SC3DMC_SVA_IndexEncoder.h	Perform the rotation process
SVADecoder	DecodeDataBuffer	SC3DMC_SVA_Decoder.cpp, SC3DMC_SVA_Decoder.h,	The main decoding function that decode the data
SVAIndexDecoder	DecodeConnectivity	SC3DMC_SVA_IndexDecoder.cpp, SC3DMC_SVA_IndexDecoder.h	Decode the connectivity of SVA encoded data
SVAIndexDecoder	InverseCircularDifferenceForConnectivity	SC3DMC_SVA_IndexDecoder.cpp, SC3DMC_SVA_IndexDecoder.h	Preform the inverse circular difference process
SVAIndexDecoder	InverseRotation	SC3DMC_SVA_IndexDecoder.cpp, SC3DMC_SVA_IndexDecoder.h	Preform the inverse rotation process