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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

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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

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