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AMENDMENT 1
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Information technology — MPEG video technologies —

Part 5: Reconfigurable media coding conformance and reference software

AMENDMENT 1: Graphics tool library (GTL) reference software and conformance

Technologies de l'information — Technologies vidéo MPEG —

Partie 5: Conformité du codage média reconfigurable et logiciels de référence

AMENDEMENT 1: Logiciel de référence de la bibliothèque d'outils graphiques (GTL) et conformité

Reference number
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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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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.*

Information technology — MPEG video technologies —

Part 5:
Reconfigurable media coding conformance and reference software

AMENDMENT 1: Graphics tool library (GTL) reference software and conformance

Add 8.3.1 "Syntax Parsing SC3DMC":

8.3.1 Syntax Parsing SC3DMC

FU name	Contributor
Algo_ Parser_SC3DMC	MinesTelecom – Telecom Sudparis

Add 8.3.8 "Generic Processing FUs":

8.3.8 Generic Processing FUs

FU name	Contributor
Algo_inverseQuantization1D	MinesTelecom – Telecom Sudparis
Algo_inverseQuantizationND	MinesTelecom – Telecom Sudparis
Algo_inversePrediction1D	MinesTelecom – Telecom Sudparis
Algo_inversePredictionND	MinesTelecom – Telecom Sudparis
Algo_ED_AD_StaticBit	MinesTelecom – Telecom Sudparis
Algo_ED_AD_AdaptiveBit	MinesTelecom – Telecom Sudparis
Algo_ED_VLD	MinesTelecom – Telecom Sudparis
Algo_ED_BitPrecision	MinesTelecom – Telecom Sudparis
Algo_ED_AD	MinesTelecom – Telecom Sudparis
Algo_ED_AD_EG	MinesTelecom – Telecom Sudparis
Algo_ED_4bitsD	MinesTelecom – Telecom Sudparis
Algo_ED_FixedLength	MinesTelecom – Telecom Sudparis
Algo_LookUpTable1D	MinesTelecom – Telecom Sudparis
Algo_InverseLookUpTable1D	MinesTelecom – Telecom Sudparis
Algo_ContextModelling	MinesTelecom – Telecom Sudparis
Algo_ExtractMask_SC3DMC	MinesTelecom – Telecom Sudparis
Algo_simpleMath_2op	MinesTelecom – Telecom Sudparis

Add 8.398 "Decoder Specific Processing FUs":

8.3.9 Decoder Specific Processing FUs

FU name	Contributor
Algo_ContextModelling_SVA_nType	ETRI, Hanyang University
Algo_ContextModelling_SVA_INDEXES	ETRI, Hanyang University
Algo_ContextModelling_SVA_VERTEX_ATTRIBUTE	ETRI, Hanyang University
Algo_DecodeConnectivity_SVA	ETRI, Hanyang University
Algo_DecodeConnectivity_TFAN	MinesTelecom – Telecom Sudparis
Algo_ExtractFaceDirection_SVA	ETRI, Hanyang University
Algo_Connectivity_InversePrediction_SVA	ETRI, Hanyang University

Add 8.3.10 "Generic Management FUs":

8.3.10 Generic Management FUs

FU name	Contributor
Mgnt_Replicate_1_2	MinesTelecom – Telecom Sudparis
Mgnt_Replicate_1_4	MinesTelecom – Telecom Sudparis
Mgnt_Replicate_1_8	MinesTelecom – Telecom Sudparis
Mgnt_MUX_2_1	MinesTelecom – Telecom Sudparis
Mgnt_MUX_4_1	MinesTelecom – Telecom Sudparis
Mgnt_MUX_8_1	MinesTelecom – Telecom Sudparis
Mgnt_DEMUX_1_2	MinesTelecom – Telecom Sudparis
Mgnt_DEMUX_1_4	MinesTelecom – Telecom Sudparis
Mgnt_DEMUX_1_8	MinesTelecom – Telecom Sudparis
Mgnt_ExtractSegment	MinesTelecom – Telecom Sudparis
Mgnt_ProviderValue	MinesTelecom – Telecom Sudparis
Mgnt_ExtractValue	MinesTelecom – Telecom Sudparis
Mgnt_ExtractBits	ETRI, Hanyang University

Conformance (Decoder level testing)

The following bitstreams are in the conformance data set.

a) Troll.s3d

b) Chicken.s3d

c) Dance.s3d

All the bitstreams from the data set are encoded with the following configurations (each line in the table represents an encoding configuration):

Encoding method	Entropy encoding type	Prediction type	Filename
TFAN	4Bits coding	Differential	chicken_tfan_Diff_4C.s3d
TFAN	Arithmetic coding	Differential	dance_tfan_Diff_AC.s3d
TFAN	Exponential Golomb	Differential	troll_tfan_Diff_ACEG.s3d
TFAN	BitPrecision	Differential	chicken_tfan_Diff_BP.s3d
TFAN	NO	Differential	chicken_tfan_Diff_NO.s3d