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AMENDMENT 2
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Information technology — High efficiency coding and media delivery in heterogeneous environments —

Part 2:
High efficiency video coding

AMENDMENT 2: Main 10 still picture profile

Technologies de l'information — Codage à haute efficacité et livraison des medias dans des environnements hétérogènes —

Partie 2: Codage vidéo à haute efficacité

AMENDEMENT 2: Profil main 10 pour image fixe

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A list of all parts in the ISO/IEC 23008 series can be found on the ISO website.

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Clause 3

Replace 3.56 with the following:

3.56

frequency index

one-dimensional or two-dimensional index associated with a *transform coefficient* prior to the application of a *transform* in the *decoding process*

Delete 3.70, and renumber the current 3.71 through 3.164 as 3.70 through 3.163.

Add the following as 3.164:

3.164

transform

part of the *decoding process* by which a *block* of *transform coefficients* is converted to a *block* of spatial-domain values

Replace 3.165 with the following:

3.165

transform block

rectangular MxN *block* of samples resulting from the same *transform* in the *decoding process*

Replace 3.166 with the following:

3.166

transform coefficient

scalar quantity, considered to be in a frequency domain that is associated with a particular one-dimensional or two-dimensional *frequency index* in a *transform* in the *decoding process*

Clause 7

Replace 7.3.3 with the following:

7.3.3   Profile, tier and level syntax

profile_tier_level(profilePresentFlag, maxNumSubLayersMinus1) {	Descriptor
if(profilePresentFlag) {	
general_profile_space	u(2)
general_tier_flag	u(1)
general_profile_idc	u(5)
for(j = 0; j < 32; j++)	
general_profile_compatibility_flag[j]	u(1)
general_progressive_source_flag	u(1)
general_interlaced_source_flag	u(1)
general_non_packed_constraint_flag	u(1)
general_frame_only_constraint_flag	u(1)

if(general_profile_idc == 4 || general_profile_compatibility_flag[4] ||
 general_profile_idc == 5 || general_profile_compatibility_flag[5] ||
 general_profile_idc == 6 || general_profile_compatibility_flag[6] ||
 general_profile_idc == 7 || general_profile_compatibility_flag[7] ||
 general_profile_idc == 8 || general_profile_compatibility_flag[8] ||
 general_profile_idc == 9 || general_profile_compatibility_flag[9] ||
 general_profile_idc == 10 || general_profile_compatibility_flag[10]) {
 /* The number of bits in this syntax structure is not affected by this condition */	

general_max_12bit_constraint_flag	u(1)
general_max_10bit_constraint_flag	u(1)
general_max_8bit_constraint_flag	u(1)
general_max_422chroma_constraint_flag	u(1)
general_max_420chroma_constraint_flag	u(1)
general_max_monochrome_constraint_flag	u(1)
general_intra_constraint_flag	u(1)
general_one_picture_only_constraint_flag	u(1)
general_lower_bit_rate_constraint_flag	u(1)

if(general_profile_idc == 5 || general_profile_compatibility_flag[5] ||
 general_profile_idc == 9 || general_profile_compatibility_flag[9] ||
 general_profile_idc == 10 || general_profile_compatibility_flag[10]) {	

general_max_14bit_constraint_flag	u(1)
general_reserved_zero_33bits	u(33)
} else	
general_reserved_zero_34bits	u(34)
} else if(general_profile_idc == 2 || general_profile_compatibility_flag[2]) {	
general_reserved_zero_7bits	u(7)
general_one_picture_only_constraint_flag	u(1)
general_reserved_zero_35bits	u(35)
} else	
general_reserved_zero_43bits	u(43)