INTERNATIONAL STANDARD ISO/IEC 14496-10:2012
TECHNICAL CORRIGENDUM 1

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Information technology — Coding of audio-visual objects —

Part 10:
Advanced Video Coding

TECHNICAL CORRIGENDUM 1

Technologies de l'information — Codage des objets audiovisuels —

Partie 10: Codage visuel avancé

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/IEC 14496-10:2012 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

In G.7.4.3.4, replace the following:

"When quality_id is equal to 0, the NAL units with DQId equal to ref_layer_dq_id shall have discardable_flag equal to 0.

The variable MaxRefLayerDQId is set equal to the maximum value of ref_layer_dq_id for the slices of the current layer representation."

with

"When quality_id is equal to 0, the NAL units with DQId equal to ref_layer_dq_id shall have discardable_flag equal to 0.

When ref_layer_dq_id is greater than or equal to 0, it is a requirement of bitstream conformance that the layer representation with DQId equal to ref_layer_dq_id is present in the bitstream.

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The variable MaxRefLayerDQId is set equal to the maximum value of ref_layer_dq_id for the slices of the current layer representation."

Replace H.8.5.1 with the following text:

H.8.5.1 Derivation process for required anchor view components

This process is recursively invoked to derive the set of required anchor view components for a specified view.

Input to this process is a variable viewId, representing a view with view_id equal to viewId, with its corresponding view order index denoted by vOIdx.

Outputs of this process are a possibly updated VOIdxList, and additional invocations of the derivation process based on the inter-view dependency for anchor view components in the view with view_id equal to viewId as specified in the sequence parameter set MVC extension.

The following ordered steps are specified:

1. Add vOIdx to VOIdxList if the same value is not already included in VOIdxList.
2. Depending on num_anchor_refs_l0[vOIdx] and num_anchor_refs_l1[vOIdx], the following applies.
   - If both num_anchor_refs_l0[vOIdx] and num_anchor_refs_l1[vOIdx] are equal to 0, terminate this process.
   - Otherwise (num_anchor_refs_l0[vOIdx] or num_anchor_refs_l1[vOIdx] is not equal to 0), the following ordered steps are specified:
     a. When num_anchor_refs_l0[vOIdx] is not equal to 0, invoke the process specified in subclause H.8.5.1 for each viewId equal to anchor_ref_l0[vOIdx][i] for all i in the range of 0 to num_anchor_refs_l0[vOIdx] − 1, inclusive, in ascending order of i.
     b. When num_anchor_refs_l1[vOIdx] is not equal to 0, invoke the process specified in subclause H.8.5.1 for each viewId equal to anchor_ref_l1[vOIdx][i] for all i in the range of 0 to num_anchor_refs_l1[vOIdx] − 1, inclusive, in ascending order of i.

Replace H.8.5.2 with the following text:

H.8.5.2 Derivation process for required non-anchor view components

This process is recursively invoked to derive the set of required non-anchor view components for a specified view.

Input to this process is a variable viewId, representing a view with view_id equal to viewId, with its corresponding view order index denoted by vOIdx.

Outputs of this process are a possibly updated VOIdxList and additional invocations of the derivation process based on the inter-view dependency for non-anchor view components in the view with view_id equal to viewId as specified in the sequence parameter set MVC extension.

The following ordered steps are specified:

1. Add vOIdx to VOIdxList if the same value is not already included in VOIdxList.
2. Depending on num_non_anchor_refs_l0[vOIdx] and num_non_anchor_refs_l1[vOIdx], the following applies.
   - If both num_non_anchor_refs_l0[vOIdx] and num_non_anchor_refs_l1[vOIdx] are equal to 0, terminate this process.
   - Otherwise (num_non_anchor_refs_l0[vOIdx] or num_non_anchor_l1[vOIdx] is not equal to 0), the following ordered steps are specified:

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