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AMENDMENT 2
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Information technology — MPEG video technologies —

Part 5: Reconfigurable media coding conformance and reference software

AMENDMENT 2: Reference software for HEVC-related VTL extensions

Technologies de l'information — Technologies vidéo MPEG —

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

AMENDEMENT 2: Logiciel de référence pour les extensions VTL liées au codage HEVC

Reference number
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Amendment 2 to ISO/IEC 23002-5:2013 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee 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 2: Reference software for HEVC-related VTL extensions

Page 1, Scope

Replace the following:

Currently the following standards/profiles are included in ISO/IEC 23002-4 and in this part of ISO/IEC 23002 as reference software

— ISO/IEC 14496-2 Simple Profile,

— ISO/IEC 14496-10 Constrained Baseline Profile,

— ISO/IEC 14496-10 Progressive High Profile.

with the following:

Currently the following standards/profiles are supported in ISO/IEC 23002-4 and in this document as reference software

— ISO/IEC 14496-2 Simple Profile,

— ISO/IEC 14496-10 Constrained Baseline Profile,

— ISO/IEC 14496-10 Progressive High Profile,

— ISO/IEC 23008-2 Main Profile.

NOTE The reference software supports the decoding of bitstreams that conform to the Main Profile of ISO/IEC 23008-2, but does not support display-related features indicated in supplemental enhancement information (the support for which is a display capability that is outside the scope of ISO/IEC 23008-2).

Page 14, Clause 9

Replace the electronic attachment as found attached; which includes the prior reference software and adds a new “mpegh” subdirectory. The “mpegh” directory contains functional units and networks allowing decoding of the ISO/IEC 23008-2 Main Profile.

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Add the following informative annex that describes how to compile the software to convert it into an executable form.

Annex A

(informative)

Information on compiling the RMC reference software

This annex provides information on how to compile the reference software of ISO/IEC 23002-5.

Like most software written in other programming languages, such as, for example, C, C++, Java, Verilog, or VHDL, the reference software written in RVC-CAL according to ISO/IEC 23001-4 first needs to be compiled in order to be executed on a processing platform. Since, in general, current processing platforms do not support RVC-CAL with platform-specific compilers, an RVC-CAL program needs to be cross-compiled into another language that is supported on the processing platform that is chosen as the program execution environment.

Any ISO/IEC 23001-4 RVC-CAL compliant cross compiler could be used for this purpose.

For instance, the Orcc cross compiler available at: http://orcc.sourceforge.net supports, for C and some other programming languages, the cross compilation of the reference software provided with this document.