

Title: V3C/V-PCC test model v13.0 user manual

Status: Draft

Purpose: User manual

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Abstract

This document is a user manual describing usage of reference software for the V3C/V-PCC project. It applies to version 13.0 of the software.

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1 General Information

Reference software is being made available to provide a reference implementation of the V3C standard being developed by MPEG (ISO/IEC SC29 WG11). One of the main goals of the reference software is to provide a basis upon which to conduct experiments in order to determine which coding tools provide desired coding performance. It is not meant to be a particularly efficient implementation of anything, and one may notice its apparent unsuitability for a particular use. It should not be construed to be a reflection of how complex a production-quality implementation of a future V3C standard would be.

This document aims to provide guidance on the usage of the reference software. It is widely suspected to be incomplete and suggestions for improvements are welcome. Such suggestions and general inquiries may be sent to the general MPEG 3DGC email reflector at mpeg-3dgc@gti.ssr.upm.es (registration required).

1.1 Bug reporting

Bugs should be reported on the issue tracker set up at <http://mpegx.int-evry.fr/software/MPEG/PCC/TM/mpeg-pcc-tmc2/issues>.

2 Obtaining the software

2.1 Clone

The authoritative location of the software is the following git repository: <http://mpegx.int-evry.fr/software/MPEG/PCC/TM/mpeg-pcc-tmc2>

Each released version may be identified by a version control system tag in the form `release-v13.0` [1].

An example:

```
$ git clone http://mpegx.int-evry.fr/software/MPEG/PCC/mpeg-pcc-tmc2.git
$ cd mpeg-pcc-tmc2
```

It is strongly advised to obtain the software using the version control system rather than to download a zip (or other archive) of a particular release. The build system uses the version control system to accurately identify the version being built.

2.2 Building

The codec is supported on Linux, OSX and Windows platforms. The build configuration is managed using CMake.