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**Coding of moving pictures and audio**

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**INTERNATIONAL ORGANISATION FOR STANDARDISATION**

**ORGANISATION INTERNATIONALE DE NORMALISATION**

**ISO/IEC JTC 1/SC 29/WG 11**

**CODING OF MOVING PICTURES AND AUDIO**

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| **Title:** | **EE4FE 2.6 mesh coding with V-PCC** |
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# Introduction

This document provides a description of Exploratory Experiment EE4FE 2.6 on mesh coding with V-PCC.

# Mandates

The mandates for EE4FE 2.6 are as follows:

1. Collect dynamic mesh content.
2. Study mesh coding extension to V-PCC.
3. Work towards eventual development of test model, anchors, and CTC.

# Participants

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# Description

Previously, extension of V-PCC to mesh coding was explored in [1-3]. The implementation was on top of TMC2 v5.0 and the results presented were for lossless conditions. In this exploration experiment, the code will be migrated to TMC2 v8.0. The extension of the technique to lossy conditions will be investigated.

# Timeline

* 2019-10-18 MPEG #128 meeting ends.
* 2019-11-01 V-PCC: Expected date for release of finalized EE description and CTC.
* 2020-01-08 Upload EE4FE 2.6 report
* 2020-01-13 MPEG #129 meeting starts.

# References

1. Sungryeul Rhyu, Madhukar Budagavi, Rajan Joshi, “[V-PCC] [New Proposal] V-PCC extension for mesh coding,” ISO/IEC JTC1/SC29 WG11 (MPEG) m47608, Geneva, CH, Mar. 2019.
2. Esmaeil Faramarzi, Keming Cao, Hossein Najaf-Zadeh, Rajan Joshi, Madhukar Budagavi, Sungryeul Rhyu, Jaeyeon Song, “[V-PCC] EE2.6 Report on mesh coding”, ISO/IEC JTC1/SC29 WG11 (MPEG) m49588, Jul. 2019.
3. Esmaeil Faramarzi, Keming Cao, Rajan Joshi, Madhukar Budagavi, “[V-PCC] EE2.6 mesh coding with V-PCC”, ISO/IEC JTC1/SC29 WG11 (MPEG) m51002, Oct. 2019.