**INTERNATIONAL ORGANISATION FOR STANDARDISATION**
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**ISO/IEC JTC 1/SC 29/WG 4**
**MPEG VIDEO CODING**

**ISO/IEC JTC 1/SC 29/WG 4 m59731**
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**Title:** **[MIV] MIV Verification Test dry-run preparations**

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## Abstract & Recommendations

The document presents the summary of preparations and arrangements for conducting the MIV Verification Test dry-run, which were presented during the AHG on MIV with AG 5 to prepare REV (10th April 15:00 UTC). It is recommended to perform the MIV VT dry-run using the proposed scenarios and configurations.

## 1 Preparations and arrangements for MIV VT

1. Dry run is planned 21st April 15:00 UTC

2. Dry run will be performed with ACR-HR, P.910 Recommendation, with its 11-point scale

3. We would like two separate scenarios to be a part of the dry run:
    a. MIV Main vs. MV-HEVC: testing MIV Main profile (use of atlas-of-patches-based representation) for sequences with large viewing volume and non-trivial camera arrangement:
        - F (Guitarist)
        - W (Dancing)
        - X (Cyberpunk)
        - S (CBABasketball)

    b. MIV GA vs. MV-HEVC: testing MIV Geometry Absent profile (where depth maps are estimated on the decoder side) for sequences without ground-truth depth maps:
        - H (BabyUnicorn)
        - Y (Breakfast)
        - Z (Barn)
        - S (CBABasketball)

4. 4 directories provided to AG5
    a. Best_reference: rendered using all (uncompressed) views
    b. MIV_GA: for testing MIV Geometry Absent profile
    c. MIV_Main: for testing MIV Main profile
    d. MV-HEVC: our anchor, MV-HEVC used for compression of views, RVS used for the rendering

5. 3 different posetraces are uploaded, but we suggest using these in the dry run
   - F: p02
   - H: p02
   - S: p02
   - W: p02
   - X: p03
   - Y: p03
   - Z: p03

6. Use QP1,3,5 for the dry-run. This makes it (2 scenarios) * (4 sequence) * (2 codecs under test per scenario) * (3 QPs) = 48 test points which should be doable in a REV with 3 sessions.

7. Guidelines for remote experts viewing sessions are available in [N00040]

## 2 Recommendations

It is recommended to perform the MIV VT dry-run using the proposed scenarios and configurations.

# 3 References

[N0040] Guidelines for remote experts viewing sessions, ISO/IEC JTC 1/SC 29/AG 5, doc. N00040, Online, October 2021.