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|  | Moving Picture, Audio and Data Coding by Artificial Intelligence  www.mpai.community |

**Public document**

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| **N2049** | 2024/10/23 |
| **Source** | Requirements (EEV) |
| **Title** | Requirements (EEV) progress report and plans |
| **Target** | MPAI-49 |

Requirements (EEV) has made significant progress in learned video coding and there are four major versions of reference software. The EEV group has made a practical step in preparing the draft to standardize a neural video codec.

Regarding the reference model development, the latetest reference model (EEV-0.5) has been finished and published. Moreover, some practical improvement and optimization are also conducting to further increase the coding efficiency. The the BD-rate performance (PSNR-based) using random access configuration is very close or competitive with H.266/VVC reference model VTM. It is also observed from existing data that current EEV-0.5 model performs less efficient for videos complex motion. Future investigation is undertaken to motion such performance.