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

**Public document**

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| **N1635** | 2024/2/21 |
| **Source** | Requirements (EEV) |
| **Title** | Requirements (EEV) progress report and plans |
| **Target** | MPAI-41 |

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.

In this round of GA meeting cycle, EEV group is continuously constructing the EEV-0.5 model. The extensive evaluation processof EEV-0.5 model is happening. The EEV-0.5 model design enhances inter prediction efficacy and the corresponding residual coding module is also simplified.

The current EEV-0.5 model outperforms EEV-0.4 model by around 50% bitrate reduction using YUV-PSNR metric. More justifications and evaluations are under construction and investigation.