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

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| **N393** | 2021/10/27 |
| **Source** | Leonardo Chiariglione |
| **Title** | Proposal for MPAI-13 Press Release |
| **Target** | MPAI Members |

**MPAI calls for comments on two more candidate standards**

Geneva, Switzerland – 27 October 2021. After releasing 3 official standards at its previous monthly General Assembly, today the Moving Pic­ture, Audio and Data Coding by Artificial Intelligence (MPAI) standards developing organisation has published 1 more draft standard for comments, the step before official release.

Comments are requested, by 20 November, prior to final approval at MPAI’s next 24 November General Assem­bly (MPAI-14) on:

[AI Framework](https://mpai.community/standards/mpai-aif/) (MPAI-AIF) enables creation and autom­ation of mixed Machine Learning, Artificial Intelligence, Data Processing and inference workflows, implemented as software, hardware, or hybrid software and hardware. MPAI-AIF is also an enabler of the MPAI Store part of the [Governance of the MPAI Ecosystem](https://mpai.community/standards/governance/) (MPAI-GME) approved by MPAI-12.

MPAI-12 released the full set of the AI-based [Compression and Understanding of Industrial Data](https://mpai.community/standards/mpai-cui/) (MPAI-CUI) standard – Technical Specification, Reference Software, Conformance Testing and Performance Assessment. As MPAI-12 only released the [Multimodal Conversation](https://mpai.community/standards/mpai-mmc/) (MPAI-MMC) Technical Specification, MPAI is currently developing the MPAI-MMC Conformance Testing specification to enable a user to verify the technical correctness of an implementation.

MPAI is currently working on several other standards, e.g.:

1. [Context-based Audio Enhancement](https://mpai.community/standards/mpai-cae/) (MPAI-CAE): adding a desired emotion to an emotion-less speech segment, preserving old audio tapes, restoring audio segments and improving the audio confer­ence experience.
2. [Server-based Predictive Multiplayer Gaming](https://mpai.community/standards/mpai-spg/) (MPAI-SPG) uses AI to train a network that com­pensates data losses and detects false data in online multiplayer gaming.
3. [Connected Autonomous Vehicles](https://mpai.community/standards/mpai-cav/) (MPAI-CAV) uses AI in key features: Human-CAV Interac­tion, Environ­ment Sensing, Autonomous Motion, CAV to Everything and Motion Actuation.
4. [Mixed Reality Collaborative Spaces](https://mpai.community/standards/mpai-mcs/) (MPAI-MCS) creates AI-enabled mixed-reality spaces populated by streamed objects such as avatars, other objects and sensor data, and their descriptors for use in meetings, education, biomedicine, science, gaming and manufacturing.
5. [AI-Enhanced Video Coding](https://mpai.community/standards/mpai-evc/) (MPAI-EVC), a candidate MPAI standard improving existing video coding tools with AI and targeting short-to-medium term applications.
6. [End-to-End Video Coding](https://mpai.community/standards/mpai-eev/) (MPAI-EEV) is a recently launched MPAI exploration promising a fuller exploitation of the AI potential in a longer-term time frame that mPAI-EVC.

MPAI develops data coding standards for applications that have AI as the core enabling technology. Any legal entity who supports the MPAI mission may [join MPAI](https://mpai.community/how-to-join/join/) if it is able to contribute to the development of standards for the efficient use of data.

Visit the [MPAI web site](https://mpai.community/) and contact the [MPAI secretariat](mailto:secretariat@mpai.community) for specific information.