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**INTERNATIONAL ORGANISATION FOR STANDARDISATION**

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**ISO/IEC JTC 1/SC 29/AG 3**

**CODING OF MOVING PICTURES AND AUDIO**

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ISO/IEC JTC 1/SC 29/AG 3 thanks ITU-T SG 13 for its liaison statement (your [FG-AI4EE-O-LS-003](https://www.itu.int/net/ITU-T/ls/ls.aspx?isn=26166), SG13-LS196) on Artificial Intelligence Standardization Roadmap.

As use of neural networks in multimedia compression, processing and analysis is growing, MPEG is now working on compression of neural network and neural network based multimedia compression. We would like to inform you the following work of MPEG working groups.

* WG 4 (MPEG Video Coding) has recently developed a standard for Compression of Neural Networks for Multimedia Description and Analysis (ISO/IEC FDIS 15938-17), which provides a toolbox of methods for parameter reduction, quantisation and entropy coding, from which appropriate coding pipelines can be assembled.
* WG 4 has recommended a new project since Apr. 2021 after receiving responses to a call for proposals on incremental compression of neural networks to address requirements from federated and transfer learning.
* WG 5 (MPEG Joint Vido Coding Team (JVET)), a joint working group between SC 29 and ITU-T SG 16, is conducting Exploration Experiments on neural network based video coding.
* WG 7 (MPEG 3D Graphics Coding) has started an Exploration Experiment on neural network based Point Cloud Compression.

We would expect to keep sharing the information of both organizations activities in AI related work.