**3GPP TSG-WG SA4 Meeting #131-bis-e *S4-250586***

**Online, 11th – 17th April, 2024**

Title: LS to SC29 WG1 on JPEG AI Standard an FS AI4 Media

**Response to: S4-250247, ISO/IEC JTC 1/SC 29 N 22565**

Release: Release 19

Work Item: FS\_AI4Media

Source: 3GPP SA WG4

To: SC29 WG1

Cc:

**Contact Person:**

Name: Eric Yip (FS\_AI4Media rapporteur)

Tel. Number:

E-mail Address: Eric [dot] Yip [at] Samsung [dot] com

**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

Attachments: none

**1. Overall Description:**

3GPP SA4 thanks ISO/IEC SC29 WG 1 for the update and information on completion of the JPEG AI standard.

SA4 has included a reference and a short description of the JPEG AI standard in its draft TR 26.927, a technical report under development by 3GPP SA4 that explores media-based AI/ML scenarios including AI/ML model compression and delivery as well as mapping of logical AI functions to the 5G architecture.

In this technical report, 3GPP SA4 has primarily studied different functional architectures, namely:

* Split inference where model inference is distributed between the user device and the network
* AI/ML models delivery to user devices including model compression/optimization approaches
* Distributed/Federated learning over the 5G System

In this context 3GPP SA4 would be interested in your analysis of the applicability of JPEG AI to any of the above scenarios. Should you find any relevance, your insights on the type of AI/ML model data or media data that would cross the mobile network would be of high interest for us. 3GPP SA4 therefore to kindly asks ISO/IEC SC29 WG 1 to consider our requests and also to keep updating SA4 on further developments of JPEG AI.

**2. Actions:**

**ACTION:** SA4 asks SC29 WG1 to take the above information into account and provide feedback if any, especially regarding the applicability of JPEG AI to the mentioned use cases.

**3. Date of Next TSG SA WG4 Meetings:**

TSG-SA4 Meeting #132 19th – 23st May, 2025 Fukuoka, Japan

TSG-SA4 Meeting #133-e 21th – 25th July, 2025 Online