3GPP TSG SA4#112-e Tdoc S4-210225

E-meeting, 1st-10th February, 2021

**Title: [Draft] Reply LS on publication of phase 1 technical specification on ABR multicast (“DVB-MABR”)**

**Response to: -**

**Release: Rel-16**

**Work Item: TEI16**

**Source: 3GPP TSG SA WG4 (SA4)**

**To: DVB Technical Module, TM-MCAST**

**Cc: -**

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

**Attachments: none**

# 1 Overall description

3GPP SA4 thanks DVB TM-MCAST for the LS concerning publication of phase 1 technical specification on ABR multicast (“DVB-MABR”).

We’re pleased to inform that the reference to ETSI TS 103 769: "Digital Video Broadcasting (DVB); Adaptive media streaming over IP multicast", v1.1.1, November 2020 is now part of the draft 3GPP TR 26.802 5G Multimedia Streaming (5GMS); Multicast architecture. The TR is available for download at [https://www.3gpp.org/DynaReport/26802.htm](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.3gpp.org_DynaReport_26802.htm&d=DwMD-g&c=lI8Zb6TzM3d1tX4iEu7bpg&r=Qunu7V7Ia9GvcnanPK7R7ry2Z-OGP4S2J6WaonVrTrQ&m=qaaHW-okYKNsBgfJezgUCYdK4uR2I_3_qSf6_Scau-4&s=XiwyrW_P0SAVCzHZyl5B9mmVlF0oPRNZdSTpRDJbLIE&e=).

With regards to the following question:

*“There are some well-known technical deficiencies with the MD5 message digest algorithm. Would SA4 consider extending the TS 26.346 technical specification to support a more modern message digest such as SHA-256 in addition?”*

SA4 is not aware of any technical deficiencies of the MD5 message digest algorithm when used in the context of MBMS. Note that MD5 is used to check the integrity of files received through MBMS download delivery methods. Nevertheless, SA4 would be interested to know if DVB has information to the contrary.

In particular, we are interested whether the use of TS 26.346 Annex L in DVB-MABR would require a different digest algorithm? Based on your response, SA4 would be happy to consider specifying a backwards-compatible extension of Annex L to support such a requirement.

# 2 Actions

**To DVB TM-MCAST**

**ACTIONS:**

* 3GPP SA4 kindly requests DVB TM-MCAST
  + to take into account the information and answer provided above, and
  + to inform SA4 on whether the use of TS 26.346 Annex L in DVB-MABR requires a different digest algorithm.

# 3 Dates of next TSG SA WG 4 meetings

3GPP SA4#113-e 6 – 14 April 2021, e-meeting

3GPP SA4#114-e 19 – 28 May 2021, e-meeting

3GPP SA4#115-e 23 – 27 August 2021 (tbc), tbd