Source: Samsung Electronics Co. Ltd

**Title: [FS\_MS\_NS\_Ph2] Key Issue on Slice selection for M5 requests**

**Agenda Item: 8.9**

**Document for: Discussion and Agreement**

# **Introduction**

A contribution S4-230252 was submitted to SA4#122 Athens meeting on the topic of slice selection for M5 requests. Feedback was received for this contribution during that meeting. The last updated revision of the above contribution is available at https://www.3gpp.org/ftp/tsg\_sa/WG4\_CODEC/TSGS4\_122\_Athens/Inbox/Drafts/MBS/S4-230252\_BBC\_Ericsson\_Samsung.docx.

This contribution accepts the received feedback and provides a revision based on the above revision.

# **Proposal**

We propose following change be adopted into TR 26.941.

**===== 1. CHANGE =====**

## 6.Y Key Issue #Y: Network Slice usage for 5GMS network APIs

### 6.Y.1 Description

#### 6.Y.1.X Slice selection for M5 requests

Clause 11 of TS 26.512 [21] specifies a number of Media Session Handling APIs used by the Media Session Handler to communicate with the 5GMS AF at reference point M5.

Clause 5.12 of TR 26.804 [2] describes a candidate solution for a use case in which different Service Operation Points for a presentation distributed using downlink media streaming (e.g. 4K HDR, HD, SD) are mapped onto different dedicated Network Slices. For such a use case, it is not clear from existing specifications by the Media Session Handler

In addition, clause 6.3 in the present document studies a Key Issue where media streaming application flows are migrated dynamically from one Network Slice to an alternative Network Slice because the original slice is unable to satisfy the associated SLA. It is not clear whether M5 API requests are migrated to the alternative Network Slice

Open issues:

- Whether the Media Session Handler is aware of Network Slices or involved in selection of Network Slices.

- Whether the Network Slice used for using reference point M5 is the same as or can be different from that used for media streaming at reference point M4.

- Whether and how the Media Session Handler in the UE is informed, or determines, the slice to use for M5 invocations. Note, this depends on the outcome of Bullet #1.

- Relevance of using URSP for slice selection for M5 operations.**===== END CHANGES =====**