Source: Samsung Electronics Co. Ltd

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

**Agenda Item: 8.10**

**Document for: Discussion and Agreement**

# **Introduction**

Clause 6.2 of TR 26941 proposes work on realizing dynamic policies using different network slices. One of the topics in this clause is that of slice selection for m5 dynamic policy requests. This contribution proposes a key issue description for slice selection for M5 requests.

Clause 5.12 of TR 26.804 describes a use case where multiple dedicated network slices are used for streaming different operation points. The key issue proposed in this contribution is based on this use case.

# **Proposal**

We propose following change be adopted into TR 26.941.

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

## 6.2 Key Issue #1: Realising dynamic policies using different slices

### 6.2.1 Description

#### 6.2.1.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 [?] 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 which Network Slice the Media Session Handler uses for M5 API requests.

In addition, clause 6.2 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 meet the specified SLA. It is not clear whether M5 API requests are made in the same Network Slice as the media stream, or in a different Network Slice.

Open issues:

- Whether the Network Slice used at 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 operations.

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