**3GPP TSG-SA5 Meeting #158 *S5-246992***

Orlando, USA, 18 - 22 November 2024

**Source: China Mobile**

**Title: Rel-19 pCR 28.851 Adding evaluation for topic 1**

**Document for: Approval**

**Agenda Item: 7.5.3**

# 1 Decision/action requested

***This is a pCR to add evaluation for topic1 in TR 28.851.***

# 2 References

[1] 3GPP TR 28.851: "Study on charging aspects of next generation real time communication services phase 2".

# 3 Rationale

This pCR proposes to add evaluation for topic1 in TR 28.851 [1].

# 4 Detailed proposal

The following changes are proposed to be incorporated into TR 28.851.

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| **First change** |

#### 5.1.4.1 Solution #1: Duration-based charging for standalone IMS Data Channel

##### 5.1.4.1.1 General

Solution#1 addresses Key Issue #1a and #1b. It is based on charging support of duration-based charging for IMS data channel specified in 3GPP TS 32.260 [11].

##### 5.1.4.1.2 Description

When the UE initiates a IMS session with standalone bootstrap DC, the originating UE generally follows existing procedures to establish bootstrap DC as specified in TS 23.228 [5] for standalone DC session establishment. The three scenarios for IMS session with standalone Data Channel described in clause 5.1.1.1 with the following additions:

a. The UE may only include bootstrap DC media components when generating SDP offer in initial SIP INVITE request;

b. The UE may only include bootstrap DC media components when generating SDP offer in initial SIP INVITE request and further update the SDP with application DC;

c. The UE may include bootstrap DC and application DC media components when generating SDP offer in initial SIP INVITE request.

Similar to regular IMS Data Channel, the SDP can contain different DC media components for standalone Data Channel in different scenarios. The charging information of each DC media components which specified in clause 5.1.15 of TS 32.260 [11] for IMS Data Channel can be reused for duration-based charging for standalone IMS Data Channel.

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| **Second change** |

### 5.1.5 Evaluation

Solution #1 proposed to charge standalone IMS Data Channel based on IMS DC usage duration. The principles of solution #1, are inline the charging support of duration-based charging for IMS data channel in TS 32.260 [11] clause 5.1.15.

Solution #2 proposed to charge standalone IMS Data Channel based on IMS DC data volume consumption. The principles of solution #2, are inline the IMS data channel volume-based charging in TS 32.255 [10] clause 5.1.18.

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| **End of changes** |