**3GPP TSG-SA5 Meeting #157 *S5-245900***

Hyderabad, India, 14 - 18 October 2024

**Source: China Mobile, Huawei**

**Title: Rel-19 pCR 28.851 Adding solution on IMS converged charging for standalone IMS Data Channel**

**Document for: Approval**

**Agenda Item: 7.5.3**

# 1 Decision/action requested

***This is a pCR to add solution on IMS converged charging for standalone IMS Data Channel 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 solution on IMS converged charging for standalone IMS Data Channel 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 Possible solutions

#### 5.1.4.1 Solution #1: IMS converged charging for standalone IMS Data Channel

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 INVITE request;

b. The UE may only include bootstrap DC media components when generating SDP offer in initial 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 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 IMS converged charging for standalone IMS Data Channel .

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| **End of changes** |