**3GPP TSG-CT WG1 Meeting #146C1-24xxxx**

**Online, 22– 26 January 2024 Revision of C1-240119**

**Source: China Mobile, Huawei, HiSilicon, China Southern Power Grid Co**

**Title: Update for abnormal cases in sub-clause 9.4 of TS 24.186**

**Spec: 3GPP TS 24.186 v1.0.0**

**Agenda item: 18.3.8**

**Document for: Agreement**

**1. Introduction**

The IMS data channel abnormal cases have been agreed in meeting#145. This pCR proposes to add requirement to MRF.

In addition, re-INVITE request needs to be considered.

**2. Reason for Change**

Returning error with DC related reason is a new requirement to MRF in DC abnormal case of insufficient data channel resource.

**3. Proposal**

It is proposed to agree the following changes to 3GPP TS 24.186.

\* \* \* First Change \* \* \* \*

### 9.4.2 Expiration on MRF response

#### 9.4.2.1 IMS AS

If the SIP transaction timer expires when the IMS AS sends INVITE/re-INVITE request to MRF for resource reservation or modification for IMS data channel, the following applies:

- the IMS AS shall continue the ongoing session procedure;

- the IMS AS shall remove the data channel SDP media description from the SDP offer for the INVITE/re-INVITE request or set the port number of the “m=” lines for data channel as zero in the SDP answer of the response to the INVITE/re-INVITE request.

### 9.4.3 Insufficient data channel resource

#### 9.4.3.1 IMS AS

When the IMS AS sends INVITE/re-INVITE request to the MRF for resource reservation or modification for IMS data channel, if the failure response is received from the MRF as specified in TS 24.229 [9], the following applies:

- the IMS AS shall continue the ongoing session procedure;

- the IMS AS shall remove the data channel SDP media description from the SDP offer for the INVITE/re-INVITE request or set the port number of the “m=” lines for data channel as zero in the SDP answer of the response to the INVITE/re-INVITE request.

#### 9.4.3.2 MRF

When MRF receives the data channel resource reservation request and data channel resource is insufficient, it shall send an error response message to IMS AS according to 3GPP TS 24.229 [9] indicating insufficient data channel resource.

NOTE: This is also applicable for the MF.

\* \* \* End of Changes \* \* \* \*