**3GPP TSG-SA WG6 Meeting #68 S6-253444**

**Gothenburg, Sweden 25th – 29th August 2025 (was S6-253405)**

**Source: Motorola Solutions**

**Title: Solution for supporting recording of non-communication based MCPTT, MCVideo.**

**Spec: 3GPP TR 23.700-39 V0.2.0**

**Agenda item: 9.2**

**Document for: Approval**

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**1. Introduction**

This contribution proposes solution for key issue X to support non-communication based recording for MCPTT, MCVideo service.

**2. Reason for Change**

**3. Proposal**

It is proposed to agree the following changes to 3GPP TR 23.700-39 V0.2.0.

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

## 6.x Solution X1: Non-communication based MCPTT recording support

### 6.x.1 Description

Non-communication based MCPTT recording in this context means capturing and storing communication and multimedia content without being tied to a specific MCPTT call or session.

Below mentioned procedure 6.x.1.3 lists non-communication based recording procedures for MCPTT Service.

#### 6.x.1.1 Functional model and reference points

Existing REC-4 interface as defined in 3GPP TS 23.280 [2], clause 7.5.2.34 shall be extended to support non-communication based MCPTT recording.

#### 6.x.1.2 Configurations

None.

#### 6.x.1.3 Procedures

The 3GPP specifications TS 23.379 [3] outline the architecture, flows for supporting MCPTT communication.

TS 23.379 [3] clause 10.6, clause 10.7, clause 10.14, clause 10.19 outlines procedures for supporting MCPTT Group call, MCPTT Private call, Ambient listening call, MCPTT Ad hoc group call respectively.

The following procedure outlined in diagram 6.x.1.3-1 proposes non-communication based MCPTT recording flow.

Pre-conditions:

1. MCPTT users involved in communication are already registered for receiving MCPTT service.

2. All MCPTT clients involved in the communication are in the same MCPTT system.

3. All MCPTT Groups are hosted in the same MCPTT system.



Figure 6.x.1.3-1: Non-communication based MCPTT recording flow.

1. Non-communication based MCPTT service procedures are invoked between set of MCPTT users.

2. Upon the completion of non-communication based MCPTT service procedures between group of MCPTT users, MCPTT server will initiate the transfer of MCPTT non-communication messaging information to the recording server. This transfer SHALL include non-communication based MCPTT messaging content, metadata etc.

 NOTE: Procedure used for transferring recording content from MCPTT server to Recording server will be FFS.

3. On the receipt of non-communication based MCPTT recording information, recording server shall store the recording content (for later retrieval).

4. As per the procedures defined in TS 23.280 [2] clause 10.18.4.2, MC Replay UE shall fetch and replay MCPTT recordings from recording server.

### 6.x.2 Impacts on existing functional entities and reference points

None

### 6.x.3 Solution evaluation

TBD.

## 6.y Solution X2: Non-communication based MCVideo recording support

### 6.y.1 Description

Non-communication based MCVideo recording in this context means capturing and storing communication and multimedia content without being tied to a specific MCVideo call or session.

Below mentioned procedure 6.y.1.3 lists non session based recording procedures for MCVideo Service.

#### 6.y.1.1 Functional model and reference points

Existing REC-4 interface as defined in 3GPP TS 23.280 [2], clause 7.5.2.34 shall be extended to support non-communication based MCVideo recording.

#### 6.y.1.2 Configurations

None.

#### 6.y.1.3 Procedures

The 3GPP specifications TS 23.281 [4] outline the architecture, flows for supporting MCVideo communication.

TS 23.281 [4] clause 7.1, clause 7.2, clause 7.3, clause 7.4, clause 7.19 outlines procedures for supporting MCVideo Group call, MCVideo Private call, MCVideo Pull, MCVideo Push, MCPTT Ad hoc group call respectively.

The following procedure outlined in diagram 6.y.1.3-1 proposes non communication based MCVideo recording flow.

Pre-conditions:

1. MCVideo users involved in communication are already registered for receiving MCVideo service.

2. All MCVideo clients involved in the communication are in the same MCVideo system.

3. All MCVideo Groups are hosted in the same MCVideo system.



Figure 6.x.1.3-1: Non-communication based MCVideo recording flow.

1. Non-communication based MCVideo service procedures are invoked between set of MCVideo users.

2. Upon the completion of non-communication based MCVideo service procedures between group of MCVideo users, MCVideo server will initiate the transfer of MCVideo messaging information to the recording server. This transfer SHALL include non-communication based MCVideo messaging content, metadata etc.

 NOTE: Procedure used for transferring recording content from MCVideo server to Recording server will be FFS.

3. On the receipt of non-communication based MCVideo recording information, recording server shall store the recording content (for later retrieval).

4. As per the procedures defined in TS 23.280 [2] clause 10.18.4.2, MC Replay UE shall fetch and replay MCVideo recordings from recording server.

### 6.x.2 Impacts on existing functional entities and reference points

None

### 6.x.3 Solution evaluation

TBD.

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