**3GPP TSG-SA WG6 Meeting #63 S6-244438**

**Hyderabad, India, 14th – 18th October 2024 (revision of S6-244334)**

**Source: Motorola Solutions, FirstNet**

**Title: Pseudo-CR on Generic IOPS – Section 10.5.3.1**

**Spec: 3GPP TR 23.700-09**

**Agenda item: 8.8**

**Document for: Approval**

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**1. Introduction**

In Rel-17 work on Mission critical services support in the Isolated Operation for Public Safety (IOPS) mode of operation has led to solutions described in 3GPP TS 23.180.

This original IOPS technical specification (3GPP TS 23.180) was defined to support 4G networks, but as other mission critical services it was described rather agnostic to the type of network access.

This pCR is related to KI#1 to make the existing IOPS section 10.5.3.1, described in 3GPP TS 23.180, access generic. The original text has been copied from TS 23.180, i.e. it is not new text, and the change marks highlight suggested required modifications.

**2. Reason for Change**

Study work is continued.

**3. Conclusions**

<Conclusion part (optional)>

**4. Proposal**

It is proposed to agree the following changes to 3GPP TR 23.700-09, v0.2.0.

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

### 6.x Solution #x: Clause 10.5.3.1 (IOPS floor control - General) of TS 23.180

#### 6.x.1 General

This clause is related to KI#1 addresses section 10.5.3.1 of 3GPP TS 23.180. It describes which changes are needed to make the General section of IOPS floor control of 3GPP TS 23.180 applicable for all supported 3GPP access methods.

#### 6.x.2 Solution

Note: The original clause has been copied from TS 23.180. The change marks highlight the required modifications for an access generic IOPS solution.

\* \* \* Next Change \* \* \* \*

#### 10.5.3.1 General

For MCPTT calls based on the IP connectivity functionality in the IOPS mode of operation, floor control is performed by using floor control messages among the MCPTT clients without a centralized MCPTT server. The MCPTT client can transmit voice packets over the IOPS MC connectivity function once it is granted the right to speak, either locally in the UE or by the reception of a floor granted message from another MCPTT client.

The MCPTT client currently speaking performs the temporary floor arbitrator during speaking since there is no centralized MCPTT floor control server. The floor arbitrator controls the floor whether or not queue is supported, and when floor is requested with override. If queue is supported, the MCPTT client performing floor arbitrator grants the right to speak to the next speaker and transfers the floor arbitrator role after completing the voice transfer and releasing the floor. For IOPS group calls, the floor arbitrator also transfers the floor control queue when granting the floor. The next MCPTT client receiving the right to speak becomes the new floor arbitrator and, for IOPS group calls, has the floor control queue.

For IOPS group calls, the group session packets carrying the floor control messages can be transmitted by the IOPS MC connectivity function over multicast/broadcast transmissions and can be monitored by all the members from the target IOPS MCPTT group.

The following clauses specify the floor control procedures and information flows for IOPS private calls and IOPS group calls based on the IP connectivity functionality in the IOPS mode of operation.

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