**3GPP TSG-SA WG6 Meeting #44 S6-211587\_rev1**

**e-meeting, 12th – 20th July 2021 (revision of S6-21xxxx)**

**Source: one2many**

**Title: Pseudo-CR on Inter-PLMN message delivery**

**Spec: 3GPP TS 23.554 v1.0.0**

**Agenda item: 8.2**

**Document for: Approval**

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**1. Introduction**

The pCR adds a clarification that the inter-PLMN messaging procedure specified in 8.7.5.1 is restricted to point-to-point message delivery and proposes to add an editor's note to study other delivery mechanisms.

Removal of the editor's note at the end by modifying the text to state that a Delivery report is a point-pto-point message

**2. Reason for Change**

Addition of clarifications and correction of a typo.

**3. Conclusions**

<Conclusion part (optional)>

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 23.554 v1.0.0.

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

### 8.7.5 Message delivery between MSGin5G UEs in different PLMNs

#### 8.7.5.1 General

MSGin5G message may be delivered between MSGin5G UEs in different PLMNs.

The procedure applies to point-to-point and group message delivery only.

#### 8.7.5.2 Inter-PLMN message exchange procedure

Pre-condition:

1. MSGin5G UE 1 (MSGin5G Client 1) registered to the MSGin5G Server 1 in one PLMN.

2. MSGin5G UE 2 (MSGin5G Client 2) registered to the MSGin5G Server 2 in another PLMN.

3. MSGin5G Server 1 and MSGin5G Server 2 have established a secured connection.

Figure 8.7.5-1 shows message delivery between MSGin5G UEs in different PLMNs, where MSGin5G UE 1 is registered in MSGin5G Server 1 and MSGin5G UE2 is registered in MSGin5G Server 2.



Figure 8.7.5-1: Message delivery between MSGin5G UEs in different PLMNs

1) The MSGin5G Client 1 in MSGin5G UE 1 sends an MSGin5G message request to MSGin5G Server 1 in PLMN 1, the MSGin5G Server 1 determines the target of the message is MSGin5G Client 2 in MSGin5G UE 2 in different PLMN.

2) The MSGin5G Server 1 analyses the target MSGin5G Service ID and determines that the message is to the MSGin5G UE 2 in PLMN 2, authenticates that the MSGin5G UE 1 is allowed to send a message to the MSGin5G UE 2, and then the MSGin5G Server 1 forwards the MSGin5G message request to MSGin5G Server 2 in PLMN 2.

3) MSGin5G Server 2 forwards the MSGin5G message request to the MSGin5G Client 2 in MSGin5G UE 2.

4-6) If the delivery status report is requested, the MSGin5G Client 2 sends a point-to-point MSGin5G message, with the delivery report to MSGin5G Client 1 as per procedure specified in the present clause.

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