**3GPP TSG-SA WG6 Meeting #44 S6-211583\_rev2**

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

**Source: one2many**

**Title: Pseudo-CR on Corrections to clause 8.6.1**

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

**Agenda item: 8.2**

**Document for: Approval**

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**1. Introduction**

The pCR provides correction to clause 8.6.1.

**2. Reason for Change**

The pCR contains a number of clarifications.

A technical change is to adhere to the bsic principle that a Delivery Report is a point-to-point message in which the Payload IE contains the delivery status information. The Payload IE is out of scope.

**3. Conclusions**

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**4. Proposal**

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

\* \* \* First and only Change \* \* \* \*

### 8.6.1 General MSGin5G messaging procedure on Message Gateway

Figure 8.6.1-1 shows the MSGin5G message delivery procedure on Message Gateway for non-MSGin5G UEs.



Figure 8.6.1-1: MSGin5G messaging procedure on Message Gateway.

1) The MSGin5G Server forwards to the Message Gateway for delivery. A Delivery status required IE may be included in the MSGin5G message request.

2) The Message Gateway records if a delivery report is requested in the message. Then it translates the MSGin5G message to Non-MSGin5G message (e.g. SMS, RCS message as specified in GSMA PRD RCC.07 [3]) with delivery report requested and finishes the information exchange procedure with non-MSGin5G UE (e.g. sends the non-MSGin5G message to the non-MSGin5G UE and receives the needed response).

NOTE 1: The information exchange procedure between Message Gateway and non-MSGin5G UE is out of scope of this specification.

3) The Message Gateway checks if application level message delivery status report is supported by the Non-MSGin5G message delivery mechanisms. If not supported, step 4a will be used and steps 4b and 5b will be skipped; otherwise step 4b-5b will be used and step 4a will be skipped.

4a) Based on the information (e.g. response to the non-MSGin5G message delivery request, transport level information, etc) obtained from the non-MSGin5G message delivery mechanisms, the Message Gateway fetches the delivery status from the above information and uses it to create a MSGin5G message delivery status report. If the delivery status is failure, also fetch the suitable failure reason from the above information and use it as reason of failure in the MSGin5G message delivery status report. The Information Elements listed in table 8.3.2-1 are included in the MSGin5G message delivery status report.

4b) A non-MSGin5G application-level message delivery status report is received by the Message Gateway.

NOTE 2: The procedure of non-MSGin5G application level message delivery status report is out of scope of this specification.

5b) The Message Gateway translates the non-MSGin5G application-level message delivery status report to MSGin5G message delivery report as specified in clause 8.7.1. The Information Elements listed in table 8.3.2-1 are included in this MSGin5G message delivery status report, but the Delivery Status and Failure Cause IEs are fetched from the non-MSGin5G application level message delivery status report.

6) The Message Gateway sends the MSGin5G message delivery report to the MSGin5G Server on behalf of the non-MSGin5G UE as specified in clause 8.7.1 in a point-to-point message.