**3GPP TSG-SA3 Meeting #116 S3-242588**

**Jeju, South Korea, 20 May - 24 May, 2024**

**Source: Google**

**Title: Proposal to update a solution in TR 33.701**

**Document for: Approval**

**Agenda Item: 5.6**

# 1 Decision/action requested

***Approve the pCR to TR 33.701***

# 2 References

[1] TR 33.701 Study on mitigations against bidding down attacks

# 3 Rationale

This contribution proposes a change in an approved new solution for TR 33.701.

# 4 Detailed proposal

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\*\*\* Start of Change #1 \*\*\*

### 5.1.2 Details

The UE performs the registration procedure when it is connecting to the LTE or 5G network. During this procedure, the network indicates to the UE about the information on whether GERAN or UTRAN is decommissioned in a secure message, i.e., Registration Accept.

The current Registration Accept message content is referring to Clause 8.2.7 in TS 24.501[6]. With the new indication, the new Registration Accept message is as below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **IEI** | **Information Element** | **Type/Reference** | **Presence** | **Format** | **Length** |
|  | Extended protocol discriminator | Extended protocol discriminator  9.2 | M | V | 1 |
|  | Security header type | Security header type  9.3 | M | V | 1/2 |
|  | Spare half octet | Spare half octet  9.5 | M | V | 1/2 |
|  | Registration accept message identity | Message type  9.7 | M | V | 1 |
|  | 5GS registration result | 5GS registration result  9.11.3.6 | M | LV | 2 |
| 77 | 5G-GUTI | 5GS mobile identity  9.11.3.4 | O | TLV-E | 14 |
| …… | | | | | |
| 13 | List of PLMNs to be used in disaster condition | List of PLMNs to be used in disaster condition  9.11.3.83 | O | TLV | 2-n |
| TBD | List of decommissioned RAT | List of decommissioned RAT | O | TLV | 2-n |

This service is supposed to be provided for all the UEs when operators enable it. The UE ensures that no insecure downgrade happens and no connection is established with decommissioned RATs.

Editor’s Note: How UE ensures this is for FFS.

\*\*\* End of Change #1 \*\*\*