**3GPP TSG-SA3 Meeting #124 draft\_S3-253666\_r2**

Wuhan, China, 13 – 17 October 2025 is revision of S3-253333, merger of S3-253312 and S3-253349 and S3-253518

**Title: [draft]reply LS on Security risk of usage permission management of Digital Asset**

**Response to: LS S6-253789 on Security risk of usage permission management of Digital Asset from** **SA6**

**Release: Rel-20**

**Work Item: Metaverse\_Ph2-APP**

**Source: SA3**

**To:** **SA6**

**Cc:**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:** **n/a**

# 1 Overall description

SA3 thanks SA6 for the LS on security risk of usage permission management of Digital Asset. SA3 would like to answer the 2 questions as below:

**Question 1:** SA6 would like to ask whether and how it is possible for the digital asset owner to delegate the authority to grant the permission to another entity (e.g. DA server or authorized user)?

**Answer 1:** SA3 believes the answer depends on which entity the digital asset owner wants to delegate the authority to and the use case details.

If the digital asset owner wants to delegate the authority to a DA server that the digital asset owner trusts, the DA server is able to check its local DA profile which could be configured to store the granted permission to the digital asset users by the digital asset owner. But how the trust is established is not studied in SA3.

If the digital asset owner wants to delegate the authority to another user, SA3 thinks similar mechanisms might be applicable with the pre-requisite of users being authenticated and authorized, but SA3 has not yet studied how to authenticate and authorize the user in this use case.

**Question 2:** What is SA3’s opinion on such security risks/threats?

**Answer 2:** SA3 believes it is a trust issue between the digital asset owner and the delegated entity. The owner is expected to only delegate the authority to a trusted party. SA3 has not yet studied potential security risks/threats in this use case.

# 2 Actions

**To SA6:**

**ACTION:** SA3 kindly asks SA6 to take the above answers into account.

# 3 Dates of next TSG SA WG 3 meetings

SA3#125 17 – 21 November 2025 Dallas, US

SA3#126 9 – 13 February 2026 India (TBD)