**3GPP TSG-SA WG6 Meeting #51-e S6-22xxxx**

**e-meeting, 10th – 19th October 2022 (revision of S6-22xxxx)**

**Title: LS on related EAS**

**Response to:**

**Release: Rel-18**

**Work Item: FS\_eEDGEAPP**

**Source: SA6**

**To: SA4**

**Cc: SA2**

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**Attachments:**

# 1 Overall description

In the past, SA6 received SA4 LS [S4-211658](http://3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_116-e/Docs/S4-211658.zip) and replied with [S6-220351](https://www.3gpp.org/ftp/tsg_sa/WG6_MissionCritical/TSGS6_047-e/Docs/S6-220351.zip) for the following question saying this case will be studied in Rel-18:

1. Is a mechanism defined to ensure that sets of related EAS instance(s) offering a service to the Application Client can be executed, discovered and relocated together in cases where this is necessary for the proper operation of the service? Independent discovery and relocation may not address the requirements of certain media services.

In Rel-18 TR 23.700-98, SA6 put KI#18 Linkage between EASs related to this topic and KI#18 has a gaming example including linked/related game engine service and rendering service in different EAS instances. SA6 also observed that SA4 started TR 26.806 v0.1.0 and there is also a split of spatial computing and scene rendering services in different EASs (i.e. the 3rd figure in clause 5).

In order to better understand the “related EAS instances” scenario and requirement, SA6 would like to seek further clarifications from SA4.

Below figure gives the abstract communication model between AC in the UE and linked/related EAS x and y. It is assumed that AC needs to communicate with both EAS x and y (e.g. AC discovers EAS x and y and connects to them), and inter-EAS communication is also needed (e.g. EAS x discovers EAS y and connects with it).



Question 1 to SA4: Is this the scenario for “related EAS instances” aligned with SA4 understanding?

Question 2 to SA4: If not, what is the scenario for “related EAS instances”?

In [S4-211658](http://3gpp.org/ftp/tsg_sa/WG4_CODEC/TSGS4_116-e/Docs/S4-211658.zip), SA4 mentioned “Independent discovery and relocation may not address the requirements of certain media services.”

Question 3 to SA4: In SA6 understanding, whether it will be independent or joint discovery and relocation is a solution matter. Before SA6 providing support for the “related EAS instances” scenario, what is the requirement for such a scenario in SA4 understanding from service perspective?

# 2 Actions

**To SA4**

**ACTION:** SA6 asks SA4 to provide answer for above questions.

# 3 Dates of next TSG SA WG 6 meetings

SA6#52-e 14th November – 18th November 2022 meeting

SA6#52-bis-e 16th January – 25th January 2023 meeting