

[SA1#99e, LS S1-222074] LS on Support for managing slice for trusted third-party owned application - Version 0.0.2

SA1

Title: LS on Support for managing slice for trusted third-party owned application

Response to:

Release: Rel-18

Work Item: FS_NSCALE

Source: 3GPP TSG SA WG6#49-e

To: SA2, SA1

Cc:

Contact person: Sapan Shah

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Send any reply LS to: 3GPP Liaisons Coordinator, <mailto:3GPPLiaison@etsi.org>

Attachments: None

1 Overall description

SA6 is currently studying the Network Slice Capability Exposure for Application Layer Enablement as part of a Release 18 Study Item (FS_NSCALE). As a part of the study, a key issue (refer to KI#10 in 3GPP TR 23.700-99) is agreed which focuses on required application level support for managing trusted third-party owned application(s). The key issues considers a case (clause 5.7.1 of 3GPP TR 22.835) where the third-party offers its consumers different contract qualities level (e.g. gold, silver and bronze), and needs to provide high priority to the higher level of contract qualities. A solution was also discussed in clause 6.9 of TR 23.700-99.

SA6 analysed that as per clause 4.2.11.2 of 3GPP TS 23.502, upon reaching maximum UEs slice quota, the 5GC may reject the registration request on the S-NSSAI from the higher quality level customer which may not be desirable by the trusted third party.

SA6 asks SA2:

Q:1: Does SA2 have an existing mechanism where an AF can manage its UEs with different qualities/priority level within a slice?

Q:2: If no mechanisms exist, would SA2 consider adding a mechanism to allow an AF to manage this behaviour upon reaching threshold on maximum slice quota?

SA6 asks SA1:

Q:3: Does SA1 have specific requirement on managing UEs with different qualities/priority level within a slice?

1.1 DT's draft reply [S1-222251r1]

-1

Feedback Form 1: Comments/Questions DT's draft reply

1 – Nokia UK

Nokia thanks DT for the revised reply LS and supports the plan from the call to send this to SA6 ASAP, allowing time for a quick response and final reply out of this meeting.

2 Actions

To SA2 and SA1

ACTION: SA6 asks SA2 and SA1 to kindly consider above information and provide answers.

3 Dates of next TSG SA WG 6 meetings

SA6#49-bis-e 22nd June – 1st July 2022 e-meeting

SA6#50 22nd August – 31st August 2022 e-meeting

4 Documents related this discussion:

Table 2:

TO	S1-222074	S6-221484	LS on Support for managing slice for trusted third-party owned application
OUT	S1-222189	China Mobile	Reply LS on Support for managing slice for trusted third-party owned application
CR	S1-222191	China Mobile	22.261v18.6.1 CR Requirement on different SLA for different UEs within a slice
OUT	S1-222027	Samsung	[DRAFT] Reply LS on Support for managing slice for trusted third-party owned application
Cont	S1-222028	Samsung	Discussion on LS on Support for managing slice for trusted third-party owned application
CR	S1-222029	Samsung	22.261v18.6.1 Support for managing slice for trusted third-party owned application
Cont	S1-222251	Deutsche Telekom	Reply LS to S1-222074

