**SA WG2 Meeting #129BIS S2-1812372**

**26 - 30 November 2018, West Palm Beach, Florida (revision of S2-18xxxx)**

**Source: Huawei, HiSilicon**

**Title: Evaluation of solutions #1.1 and #1.2**

**Document for: Approval**

**Agenda Item: 6.21**

**Work Item / Release: FS\_eNS / Rel-16**

*Abstract of the contribution: This paper proposes to add an evaluation section to solutions #1.1 (both variants) and #1.2, showing the salient features of both solutions.*

# 1 Discussion

In the spirit of trying to conclude on the TR for KI#1, it is proposed to add an evaluation containing the «salient features» of solutions #1.1 (variants #1 and #2) and #1.2.

# 2 Proposal

It is proposed to update TR 23.742 as follows:

**First change**

### 6.1.1.5 Evaluation

The salient features of solution #1 are the following:

- This solution does not require any impact to the Serving PLMN entities, i.e. VPLMN in roaming scenarios. I.e. it only relies on HPLMN support.

- This solution relies on existing procedures only and does not introduce any new procedure.

- The impact to the UE is limited to the case the UE receives multiple S-NSSAIs Group information. Only if it needs to select an S-NSSAI belonging to one of these groups does the UE need to perform a selection between sets of S-NSSAIs.

- This solution does not change the semantics of any parameter (e.g. Requested NSSAI, Allowed NSSAI, etc) or field (SST, SD) of existing parameters.

- This solution is light-weight, and has minimal impact on the system design, e.g. it does not impact any key Rel-15 procedures, such as registration or PDU Session management procedures.

The only difference between variant #1 and variant #2 is the approach used to convey the MEANS optimisation information to the UE:

- Variant #1 (URSP) takes the approach that the S-NSSAI Group information is part of the NSSP, i.e. policy information regarding use of network slices;

- Variant #2 (via UE Parameter update) takes the approach that the S-NSSAI Group information is part of the UE Subscription information, like Default Configured NSSAI or Subscribed S-NSSAIs.

**Next change**

#### 6.1.2.5 Evaluation

The salient features of solution #2 are the following:

- This solution is already implemented in Rel-15.

- In particular, if no other solution is agreeable, this solution is selected by default. Only a few clarifications are advised to make the behaviour explicit.

- This solution has no impact. In particular, it impacts no procedure or system design principle. It can work in a Rel-15 network or Rel-15-compliant UE.

- This solution does not change the semantics of any parameter (e.g. Requested NSSAI, Allowed NSSAI, etc) or field (SST, SD) of existing parameters.This solution shows that any other solution is merely an optimisation of the behaviour of the UE, rather than a new feature currently impossible in Rel-15.

**End of changes**