**3GPP TSG-SA5 Meeting #131e *S5-203204***

**e-meeting 25 May- 04June 2020**

**Source: Samsung**

**Title: Generic SLS Assurance Procedure**

**Document for: Approval**

**Agenda Item: 6.4.7**

# 1 Decision/action requested

***The group is asked to discuss and approve this document.***

# 2 References

# 3 Rationale

The contribution provides a generic SLS assurance procedure.

# 4 Detailed proposal

*It is proposed to add the following text to the draft TS.*

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| **1st Change Start** |

# 4 Communication service assurance service

## 4.1 Stage 2

Editor’s Note: the substructure is for FFS.

4.1.3 Procedures

4.1.3.1 SLS Assurance Procedure



1. Depending on the role, CSP or NOP, the consumer derives SLS goals from the ServiceProfile or SliceProfile.
2. The consumer (CSP/NOP) provides derived goals as the AssuranceControlLoopGoal to the Assurance control loop provider by utilizing the generic provisioning management service as defined in clause 11.1, TS 28.532 [7].
3. Assurance control loop provider decomposes the AssuranceControlLoopGoal into set configurations for individual resources (i.e. ManagedEntities such as nsi, nssi and mf) which are subsequently configured by utilizing the generic provisioning management service as defined in clause 11.1, TS 28.532 [x].
4. The Assurance control loop provider subscribes the related performance data (e.g., the packet delay related measurements), fault data, QoE data (e.g., buffer level) and MDT data from respective sources by utilizing the Operation establishStreamingConnection as defined in clause 6.2.1, TS 28.550[x].
5. The Assurance control loop provider subscribes the related analytical data from various sources (e.g NWDAF, MDAS) utilizing the mechanism defined by different sources e.g in case of NWADF, Nnwdaf\_EventsSubscription Service as defined in clause 4.2, TS 29.520[y] is used.
6. The Assurance control loop provider collects the related performance, fault, QoE and MDT data.
7. The Assurance control loop provider collects the related analytical data.
8. The Assurance control loop provider assesses if the AssuranceControlLoopGoal has been fulfilled.
9. The Assurance control loop provider assesses if and which action to take in case the AssuranceControlLoopGoal has not been fulfilled.
10. As per the mitigation action (e.g scale out) resources are changed, the generic provisioning management service as defined in clause 11.1, TS 28.532[x] is utilized for the same.
11. Action completed
12. The Assurance control loop provider reports the AssuranceGoalStatus to the CSP or NOP.

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| **1st Change end** |