**3GPP TSG-SA5 Meeting #139-e *S5-215434***

**e-meeting, 11 - 20 October 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **5** | **CR** |  | **rev** | **-** | **Current version:** |  |  |
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| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **X** | Core Network | **X** |

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| ***Title:*** | Clarify business requirements | | | | | | | | | |
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| ***Source to WG:*** | Ericsson, Deutsche Telekom | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | COSLA | | | | |  | ***Date:*** | | | 2021-09-20 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-16 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
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| ***Reason for change:*** | | The business level requirements provide information about the need for certain functionality. During the work on Cosla the requirements and use cases have been updated to remove the communication service instance as entity as this is not defined as a managed entity. In the management domain the service provided by a CSP to a CSC is the NSaaS. The requirements of the NSaaS are documented in a ServiceProfile which is associated with a NetworkSlice.  The requirements from a CSC point of view is the ServiceProfile, the CSP receives the requirements from the CSC (authorized consumer). The current phrasing in REQ-CSA\_NSA-FUN-01 is not clear and it is proposed to rephrase the requirement.  The aim of the closed control loop is to assure the requirements of the service provided are met (characteristics requirements in the ServiceProfile). The current phrasing in REQ-CSA\_NSA-FUN-01a uses “requirements can be met”. The wording “can be met” is more associated with intent and although closed loop can report the fulfilment of the loop (REQ-CSA\_NSA-FUN-02) and the data associated with a loop can be queried there is no functionality to answer a query if the requirements can be met. The intention of FUN-01a for closed loop assurance is captured already captured in FUN-02. It is therefore proposed to remove requirement FUN-01a.  REQ-CSA\_NSA-FUN-04 states that the management system has capabilities to fulfil the service requirements, however service requirements are fulfilled by the network, the current phrasing is unclear. The correct phrasing is that the management system has capabilities to act in order to fulfil the service requirements. | | | | | | | | |
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| ***Summary of change:*** | | Update requirement REQ-CSA\_NSA-FUN-01  Remove requirement REQ-CSA\_NSA-FUN-01a | | | | | | | | |
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| ***Consequences if not approved:*** | | The developer of a closed control loop solution may misinterpret the requirements and build incompatible SW. | | | | | | | | |
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| ***Clauses affected:*** | | 5.1.1 | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
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| ***Other comments:*** | | There is no impact on stage 2 or 3 specifications | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **1st change** |

# 5 Business level use cases and requirements

## 5.1 Use cases

### 5.1.1 Communication service assurance

The CSP needs to meet the CSC expectations on automation as well as internal goals on CAPEX and OPEX efficiency.

The CSP has access to capabilities, procedures and tools that can address both CAPEX and OPEX in the provisioning and management of communication services to their customers (CSC). The CSC expects the CSP to offer a variety of communication services including business critical communication services that allow the CSC (e.g. Enterprise) to run their applications in a predictable manner [2]. Hence automation of the onboarding of the CSC application, which will use communication services provided by the CSP, on a 5GS, is a requirement to meet the following needs:

- reduce the complexity for a CSC application to be on-boarded on a 5GS

- improve the network performance over time, based on predicting communication service behaviour

- assure the target goals for a CSC.

- reduce the cost ownership through automation.

During the operation of the communication service the CSP provides assurance of service quality requirements and CSP meets the CSC expectations on automation as well as internal goals on CAPEX and OPEX efficiency.

**REQ-CSA\_NSA-FUN-01** The 3GPP management system shall have capabilities to receive communication service requirements from its authorized consumers.

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**REQ-CSA\_NSA-FUN-02** The 3GPP management system shall have capabilities to monitor, and report to its authorized consumers the degree of fulfilment of committed communication service requirements of authorized consumers.

**REQ-CSA\_NSA-FUN-03** The 3GPP management system shall have capabilities to take actions to adjust in order to meet the communication service requirements of authorized consumers.

**REQ-CSA\_NSA-FUN-04** The 3GPP management system shall have capabilities to act to fulfil the service quality requirements of authorized consumers.

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| **End of changes** |