**3GPP TSG-SA5 Meeting #135e *S5-211161***

**e-meeting 25th January - 3rd February 2021**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.535** | **CR** | **0024** | **rev** | **-** | **Current version:** | **17.0.0** |  |
|  | | | | | | | | |
| *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:*** | Configure policies of control loop | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eCOSLA | | | | |  | ***Date:*** | | | 2021-01-08 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
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| ***Reason for change:*** | | As mentioned in section 6.1.6 and 6.1.7, the assurance control loop producer could provide the consumer the ability to limit actions the assurance closed loop can execute, and the ability to set conditions (example threshold crossings) in the 3GPP management system that when met, trigger changes in ACCL state (enable or diable an ACCL), those capabilities need to be defined in control loop governance section. | | | | | | | | |
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| ***Summary of change:*** | | Introduce the capability of limitation/condition configuration in control loop governance. | | | | | | | | |
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| ***Consequences if not approved:*** | | The control loop governance capabilies could not support the Usecase defined before, the limitations and conditions could not be configured to the control loop | | | | | | | | |
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| ***Clauses affected:*** | | 4.2.5.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **1st of changes** |

### 4.2.5 Closed control loop governance and monitoring

#### 4.2.5.1 Overview

The closed control loop can be viewed as an entity to be managed, which means the implementation of the internal capabilities and internal interactions between the steps could not be externally visible. However, some management capabilities (e.g. closed control loop governance and closed control loop monitoring) will exposed by the MnS producer, implementing the closed control loops, to enable the MnS consumer to manage the closed control loops.



Figure 4.2.5.1 Closed control loop governance and monitoring

#### 4.2.5.2 Closed control loop governance

Closed control loop governance describes a set of capabilities to allow MnS consumer to govern closed control loop, including:

- Lifecycle management of closed control loop, including create, modify,activate/deactivate,delete closed control loop.

- Configure goals for closed control loop.

- Configure policies of control loop. E.g

- Configure the limitations of the set of action capabilities executable by the closed loop.

- Configure the condition to enable/disable an ACCL operational state.

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| **End of changes** |