**3GPP TSG-SA5 Meeting #134e *S5-206210***

**e-meeting 16th - 25th November 2020**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **28.535** | **CR** | **draftCR** | **rev** | **-** | **Current version:** | **16.1.0** |  |
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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:***  | Management types for control loop |
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| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | eCOSLA |  | ***Date:*** | 2020-11-02 |
|  |  |  |  |  |
| ***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 canbe 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:*** | The management capability of different control loops may be different. Degrees of human intervening are different accordingly. There should be different means for the management of control loops with different capabilities. |
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| ***Summary of change:*** | There are two management types for control loops with different capabilities from low to high: policy based and intent based management types. |
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| ***Consequences if not approved:*** | It is difficult to manage control loops with different management capability using the same way. |
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| ***Clauses affected:*** | 4.2.x(new) |
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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:*** | This is input to the Rel-17 28.535 DraftCR |
|  |  |
| ***This CR's revision history:*** |  |

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| **1st of changes** |

## 4.2.x Management types for control loop

The management capability of different control loops may be different. High management capability control loops may handle complex management work with little intervene from the human. Low management capability control loops may need more detail instructions to be able to manage certain repeative work. There are two management types for control loop:

- Policy driven management type: The MnS Consumer specify the policies for control loops. The MnS Producer automatically proceed the control loop based on policies specified by the MnS Consumer.

- Intent driven management type: The MnS Consumer specify the intent as the objective of the control loop. The MnS Producer translates the intent to detailed behavior and corresponding condition for different stages of the control loop..

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| **End of changes** |