**3GPP TSG-SA5 Meeting #131e *S5-203160***

**e-meeting 25th May-3rd June 2020**

|  |
| --- |
| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **28.310** | **CR** | **0001** | **rev** | **-** | **Current version:** | **16.0.0** |  |
|  |
| *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)*.* |
|  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **X** | Core Network |  |

|  |
| --- |
|  |
| ***Title:***  | Update on D-SON ES solution management service |
|  |  |
| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | EE\_5G |  | ***Date:*** | 2020-06-03 |
|  |  |  |  |  |
| ***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 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)* |
|  |  |
| ***Reason for change:*** | D-SON ES MnS component type A and B do not align with the latest ES D-SON NRM modelling. |
|  |  |
| ***Summary of change:*** | Update the D-SON ES MnS component type A and B to align with the latest ES D-SON NRM modelling. |
|  |  |
| ***Consequences if not approved:*** | D-SON ES MnS component type A and B are not aligned with the ES D-SON NRM modelling. |
|  |  |
| ***Clauses affected:*** | New clause 6.2.3.0, 6.2.3.1.1, 6.2.3.1.2.2 |
|  |  |
|  | **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:*** |  |

|  |
| --- |
| **1st Change** |

### 6.2.3 Distributed energy saving solution

#### 6.2.3.0 Management service components used for D-SON ES solution

The MnS components used for D-SON (Distributed SON or Domain-Centralized) ES solution are listed in the following clauses.

#### 6.2.3.1 Management services

##### 6.2.3.1.1 MnS component type A

|  |  |
| --- | --- |
| MnS Component Type A | Note |
| Operations defined in clause 11.1.1 of TS 28.532 [16]:- createMOI- getMOIAttributes- modifyMOIAttributes- deleteMOI | Supported by the Provisioning MnS for NF, as defined in TS 28.531 [6]. |
| Notifications defined in clause 11.1.1 of TS 28.532 [16]:- notifyMOICreation- notifyMOIAttributeValueChange- notifyMOIDeletion | Supported by the Provisioning MnS for NF, as defined in TS 28.531 [6]. |

##### 6.2.3.1.2 MnS Component Type B

###### 6.2.3.1.2.1 Objective and targets

The objective of ES is to automatically set parameters so as to maximize NG-RAN data energy efficiency - see Table 6.2.3.1.2.1-1.

Table 6.2.3.1.2.1-1. Energy Saving targets

| Targets | Definition | Legal Values |
| --- | --- | --- |
| NG-RAN data Energy Efficiency | Data Volume (DV) divided by Energy Consumption (EC) of the considered network elements. | In bit/J. |

###### 6.2.3.1.2.2 Control information

The parameters in DESManagementFunction IOC, which is defined in TS 28.541 [11], are used to control the D-SON (Distributed SON or Domain-Centralized) ES functionality.

|  |  |  |
| --- | --- | --- |
|  |  |  |

|  |
| --- |
| **End of Change** |