**3GPP TSG-SA5 Meeting #129e *S5-201311rev2***

**e-meeting, 24 February – 4 March 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **28.530** | **CR** | **0018** | **rev** | **1** | **Current version:** | **16.1.0** |  |
|  | | | | | | | | |
| *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 |  | Core Network | **x** |

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| ***Title:*** | Add tenant concept associated to CSI consumer | | | | | | | | | |
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| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | MEMTANE | | | | |  | ***Date:*** | | | 2020-02-14 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***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-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:*** | | This contribution is add some concept description. | | | | | | | | |
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| ***Summary of change:*** | | Major concepts are given by this contribution as following:  Tenant as a type of CSI consumers will consume management capabilities to a communication service.  A use case is givein in this document.  And, other concepts for clarifications. | | | | | | | | |
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| ***Consequences if not approved:*** | | The role of tenant and some concept are not clear in TS 28.530. | | | | | | | | |
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| ***Clauses affected:*** | | 5.4.x(new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |
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| ***This CR's revision history:*** | |  | | | | | | | | |

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| ***First change*** |

### .5.4.x Management capabilities provided to tenant as a consumer of a communication service

| Use case stage | Evolution/Specification | <<Uses>> Related use |
| --- | --- | --- |
| **Goal** | To support a tenant in consuming management capabilities in relation to communication service provided by Communication Service Provider (CSP). |  |
| **Actors and Roles** | A Network Operator (NOP) plays the role of a Network Slice Provider responsible for the network slice management. A Communication Service Provider (CSP) plays the role of consumer of network slice management.  A tenant as an end user that cosumes B2B service and plays the role of CSC. |  |
| **Telecom resources** | 3GPP management system |  |
| **Assumptions** | N/A |  |
| **Pre-conditions** | B2B communication service is instantiated by NOP.  Tenant as CSC is capable to access management capabilites and consume performance monitoring and fault alarms provided by NOP and exposed to tenant by CSP. |  |
| **Begins when** | The NOP fulfils communication service requirements by providing an NSI.  NOP provides management capabilities exposed to a CSP. Tenant, acting as CSC, has access to management capabilities in relation to provided communication service, from the CSP. |  |
| **Step 1 (M)** | Tenant requests to obtain performance monitoring data from CSP. NOP is responsible for authorizing this request from CSP, acting on behalf of tenant, and map this request to managed object and NSI providing the communication service. |  |
| **Step 2 (M)** | The 3GPP management system receives management service request on behalf of tenant, requesting performance monitoring of a NSI that provides the tenant associated communication service. The 3GPP management system provides performance measurements of NSI accordingly. |  |
| **Ends when** | Communication service associated performance monitoring data are provided to the tenant. |  |
| **Exceptions** | One of the steps identified above fails. |  |
| **Post-conditions** | Tenant obtains performance monitoring data associated with provided communication service. |  |
| **Traceability** | REQ-PRO\_NSI-FUN-1, REQ-PRO\_NSI-FUN-7, REQ-PRO\_NSSI-FUN-1, REQ-PRO\_NSSI-FUN-15 |  |

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| **End of change** |