**3GPP TSG-SA5 Meeting #138-eS5-214113**

**e-meeting, 23 - 31 August 2021**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.537** | **CR** | **0004** | **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 |  | Core Network |  |

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| ***Title:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GDMS | | | | |  | ***Date:*** | | | 2021-08-23 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | C |  | | | | | ***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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
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| ***Reason for change:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Improve description of MnS discovery service  Improve requirements for MnS discovery service | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Incomplete description and requirements for MnS discovery service | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.1, 5.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Based on agreed draft CR S5-213659 | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **1st Change** |

## 5.1 Overview

To enable communication between MnS consumers and MnS producers, MnS consumers need a mechanism to discover MnS producers that are available in the 3GPP management system, and their management capabilities.

To this end, MnS producers need to register themselves with their management capabilities in the 3GPP management system. The data describing a MnS producer is called MnS data or MnS profile. The complete profile or parts thereof is registered in the 3GPP management system. In case registered MnS data changes, the 3GPP management system needs to be updated as well and MnS consumers of the modified MnS producer should be informed.

MnS consumers wishing to discover MnS producers might have different questions. For example, a consumer may wish to know which MnS producers manage a certain geographical area or civic location. Or, after receiving an alarm notification specifying that a specific NF is alarmed, they may wish to know the MnS producers where they can request management data from that NF or the retrieve the configuration of that NF.

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| **2nd Change** |

### 5.2.2 Requirements

**REQ-DMS-1:** The 3GPP management system shall provide capabilities allowing MnS producers to publish their management capabilities (including the endpoint address) for use by MnS consumers wishing to interact with these MnS producers.

**REQ-DMS-2:** The 3GPP management system shall provide capabilities allowing MnS consumers to retrieve the management capabilities published by MnS producers.

**REQ-DMS-3:** The 3GPP management system shall provide capabilities allowing to discover MnS producers that are managing a specified managed entity.

**REQ-DMS-4:** The 3GPP management system shall provide capabilities allowing to discover the managed entities a MnS producer is responsible for.

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| **End of changes** |