**3GPP TSG-SA5 Meeting #129e *S5-201194***

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

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| *CR-Form-v11.4* |
| **CHANGE REQUEST** |
|  |
|  | **28.533** | **CR** | **0057** | **rev** | **-** | **Current version:** | **16.2.0** |  |
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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:***  | Update Clause 5.3 Management service deployment based on ZSM framework |
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| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | COSLA |  | ***Date:*** | 2020-02-14 |
|  |  |  |  |  |
| ***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)* |
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| ***Reason for change:*** | Clause 5.3 Management service deployment based on ZSM framework is not align with ZSM 002 for the missing of data services. |
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| ***Summary of change:*** | Update Clause 5.3 Management service deployment based on ZSM framework with data service description. |
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| ***Consequences if not approved:*** | Clause 5.3 is not align with ZSM framework. |
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| ***Clauses affected:*** | 5.3 |
|  |  |
|  | **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:*** |  |

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| ***This CR's revision history:*** |  |

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| **1st Change** |

## 5.3 Management service deployment based on ZSM framework

ZSM framework reference architecture is described in ETSI GS ZSM 002 [29]. The ZSM framework reference architecture defines a set of architectural building blocks that collectively enable construction of more complex management services and management functions using a consistent set of composition and interoperation patterns. So it is important to show the 3GPP Management Service deployment based on ZSM Framework.Figure 5.3-1 shows an example of 3GPP Management Service deployment based on ZSM framework reference architecture. In this example:

- 3GPP Cross Domain (A bundle of Cross Domain MnFs and Data Services) provides a set of MnS(s) for Cross Domain Network (including Network Slice), and consumes MnSs provided by RAN Domain and CN Domain. 3GPP Cross Domain can implement the close loop (s) within the domain. Data Service is used to store and process the Cross Domain related data that is produced and consumed by Cross Domain MnFs within the domain. 3GPP Cross Domain is a Management Domain in ETSI ZSM Framework.

- RAN Domain (A bundle of RAN MnFs and RAN Data Services) provides a set of MnS(s) for RAN SubNetwork and NF. RAN Domain can implement the close loop(s) within the domain. RAN Data Service is used to store and process the RAN related data that is produced and consumed by RAN MnFs within the domain. RAN Domain is a Management Domain in ETSI ZSM Framework.

- CN Domain (A bundle of CN MnFs and CN Data Service) provides a set of MnS(s) for CN SubNetwork and NF. CN Domain can implement the close loop(s) within the domain. CN Data Service is used to store and process the CN related data that is produced and consumed by CN MnFs within the domain. CN Domain is a Management Domain in ETSI ZSM Framework.

- 3GPP Management Framework Consumer (e.g. ZSM E2E Service Management Domain, vertical OT system, BSS) can consume MnS(s) provided by the 3GPP Cross Domain, RAN Domain,CN Domain. 3GPP Management Framework Consumer is E2E Service Management Domain or ZSM framework consumer in ETSI ZSM Framework.



Figure 5.3-1: An example of Management Service deployment framework.

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| **End of Change** |