**3GPP TSG-SA5 Meeting #133-e *S5-205038***

**Online, , 12th Oct 2020 - 21st Oct 2020**

|  |
| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **28.541** | **CR** |  | **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)*.* |
|  |

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

|  |
| --- |
|  |
| ***Title:***  | GST Configuration |
|  |  |
| ***Source to WG:*** | Samsung Research America |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | EMA5SLA |  | ***Date:*** | 2020-10-01 |
|  |  |  |  |  |
| ***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 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | Section L.2 says: Some of the information in 5GC SliceProfile and NG-RAN SliceProfile is translated to configurable parameters of network function for the control plane SLA support purpose. This need to be further extended with respect to identifying GST attributes that will be translated into configurable parameter |
|  |  |
| ***Summary of change:*** | Existing ANNEX is extended to include crucial aspect of GST management. |
|  |  |
| ***Consequences if not approved:*** | In-complete GST management solution. |
|  |  |
| ***Clauses affected:*** | L |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **×** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  | **×** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **×** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** | This is input to the Rel-17 28.541 DraftCR Annex L |
|  |  |
| ***This CR's revision history:*** |  |

------------------------------------------------------------Change 1 Start-----------------------------------------------------------

Annex L (normative):
Relation of GSMA GST, ServiceProfile and SliceProfile

# L.1 General

This annex describes the relation between GSMA GST [50] and information model ServiceProfile and SliceProfile.

# L.2 GSMA GST, ServiceProfile and SliceProfile

The GSMA GST is used as the SLA information for the communication between the vertical industry and the communication service provider. The SLA requirements can be fulfilled from management aspect and control aspect in a coordinated way. The SLS includes ServiceProfile information model.

As shown in figure L.2.1, the GST [50] is translated and used as input to NRM ServiceProfile, the ServiceProfile can be translated to corresponding requirements for dedicated domains. For example, 5GC SliceProfile is used to carry 5GC domain requirements, NG-RAN SliceProfile is used to carry NG-RAN domain requirements, and TN requirements are translated and provided to TN domain. Some of the information in 5GC SliceProfile and NG-RAN SliceProfile is translated to configurable parameters of network function for the control plane SLA support purpose.

NOTE: how to do the translation is out of the scope of this document.



Figure L.2.1 Relation between GSMA GST, ServiceProfile and SliceProfile

# L.3 GST configuration

The attributes in ServiceProfile can be classified into two categories; Configurable Attributes and Non-configurable Attributes. The Configurable Attributes represent ServiceProfile attributes which, after being translated into corresponding NG-RAN/5GC SliceProfile, will be translated into configuration parameters for individual NG-RAN/5GC network functions. Non-Configurable Attributes: The Non-Configurable Attributes represent ServiceProfile attributes which, after being translated into corresponding NG-RAN/5GC SliceProfile, will be kept at OAM domain. Unlike Configurable Attributes, Non-Configurable Attributes will not be translated into configuration parameters for individual NG-RAN/5GC network functions The Non-Configuration attribute will be enforced during slice provisioning.

In addition to the above categories, a particular selection of all the attributes can server as the goal for SLS Assurance.

Examples of Configurable Attributes includes (not limited to) maxNumberofUE, maxNumberofConns, dLThptPerSlice, uLThptPerSlice, dLThptPerSlice, uLThptPerSlice, dLThptPerUe, uLThptPerUe, maxPktSize.

Example of Non-Configurable Attributes includes (not limited to) uEMobilityLevel, resourceSharingLevel, delayTolerance, deterministicComm, kPIMonitoring, userMgmtOpen, v2XCommModels, survivalTime.

Editors note: The list of configuration parameters is FFS and should be decided as per the requirements from SA2.

------------------------------------------------------------Change 1 End-----------------------------------------------------------