**3GPP TSG- SA WG1 Meeting # 89e *S1-201025***

 **10 – 14 Feb 2020, e-meeting**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **22.261** | **CR** | **0434** | **rev** | - | **Current version:** | **17.1.0** |  |
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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 | **x** | Radio Access Network | **x** | Core Network | **x** |

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| ***Title:***  | Operators dedicate resources for network slices |
|  |  |
| ***Source to WG:*** | Samsung, AT&T, China Mobile, ZTE, Interdigital, Convida Wireless, Apple, SK Telecom, KDDI, Sprint |
| ***Source to TSG:*** | SA1 |
|  |  |
| ***Work item code:*** | TEI17, SMARTER |  | ***Date:*** | 2020-02-07 |
|  |  |  |  |  |
| ***Category:*** | F |  | ***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-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:*** | SA1 received LS (S2-2001728) on 5GC assisted cell selection for accessing network slice from SA2. In this LS it appears that it is not clear to all in SA2 that operators may dedicate radio spectrum to specific slices.In addition, attribute 3.4.21 ‘Radio spectrum,’ defined by GSMA NG.116-v.2.0, Generic Network Slice Template, asserts that specific frequencies can be used to access a given network slice. |
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| ***Summary of change:*** | The requirement that operators can define and update the set of services and capabilities for network slices is expanded to include resources, including radio spectrum. |
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| ***Consequences if not approved:*** | Lack of clarity may remain whether radio spectrum is a resource that may be dedicated to specific network slices. |
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| ***Clauses affected:*** | 6.1.2.2 |
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|  | **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:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

#### 6.1.2.2 Management

The 5G system shall allow the operator to create, modify, and delete a network slice.

The 5G system shall allow the operator to define and update the set of services and capabilities supported in a network slice, e.g. when a particular radio spectrum is dedicated to a network slice for isolation of the traffic.

The 5G system shall allow the operator to configure the information which associates a UE to a network slice.

The 5G system shall allow the operator to configure the information which associates a service to a network slice.

The 5G system shall allow the operator to assign a UE to a network slice, to move a UE from one network slice to another, and to remove a UE from a network slice based on subscription, UE capabilities, the access technology being used by the UE, operator's policies and services provided by the network slice.

The 5G system shall support a mechanism for the VPLMN, as authorized by the HPLMN, to assign a UE to a network slice with the needed services or to a default network slice.

The 5G system shall enable a UE to be simultaneously assigned to and access services from more than one network slice of one operator.

Traffic and services in one network slice shall have no impact on traffic and services in other network slices in the same network.

Creation, modification, and deletion of a network slice shall have no or minimal impact on traffic and services in other network slices in the same network.

The 5G system shall support scaling of a network slice, i.e. adaptation of its capacity.

The 5G system shall enable the network operator to define a minimum available capacity for a network slice. Scaling of other network slices on the same network shall have no impact on the availability of the minimum capacity for that network slice.

The 5G system shall enable the network operator to define a maximum capacity for a network slice.

The 5G system shall enable the network operator to define a priority order between different network slices in case multiple network slices compete for resources on the same network.

The 5G system shall support means by which the operator can differentiate policy control, functionality and performance provided in different network slices.