**SA WG2 Meeting #163S2-2406423**

**Jeju, Korea, May 27 – May 31, 2024 (revision of S2-2405802)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **23.501** | **CR** | **5380** | **rev** | **5** | **Current version:** | **18.5.0** |  |
|  | | | | | | | | |
| *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:*** | Subscription-based routing to a particular core network | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia [, Vodafone, Samsung, Ericsson, Deutsche Telekom, Huawei, AT&T] | | | | | | | | | |
| ***Source to TSG:*** | SA2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI19\_RVAS | | | | |  | ***Date:*** | | | 2024-04-05 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)*  *Rel-19 (Release 19)* | |
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| ***Reason for change:*** | | Subscription-based routing to a particular core network is required to be briefed for detailed updates for the corresponding sections. | | | | | | | | |
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| ***Summary of change:*** | | Provides a high level introduction to 5GS support of Subscription-based routing to a particular core network. | | | | | | | | |
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| ***Consequences if not approved:*** | | Functional high level description related to Subscription-based routing to a particular core network would be missed. | | | | | | | | |
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| ***Clauses affected:*** | | 5.X | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **x** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Text improvements | | | | | | | | |

*FIRST CHANGE*

### 5.X Subscription-based routing to a particular core network

#### 5.X.1 Overview

The "subscription-based routing to a particular core network" function forwards traffic related with a UE to a target (partner) PLMN as specified in clause 4.2.3 and 4.2.4.

This subscription-based routing to a particular core network function may apply to all signaling and User Plane traffic related to a UE or only to the SM signaling and User Plane traffic related to the PDU sessions established by the UE to some DNN(s) and/or S-NSSAI(s) and/or related to a SUPI range and/or subscription data.

NOTE X: This function assumes relevant SLA between the HPLMN of the UE and the target PLMN.

The NF/NF Service discovery and selection mechanisms for serving the UE (all signaling and User Plane traffic) or a PDU session (corresponding SM signaling and User Plane traffic) in the target PLMN makes use of a corresponding Routing Indicator, or SUPI range, or S-NSSAI(s) and DNN(s) as defined in clause 6.3.1 and 6.3.8 to discover and select a NF/NF Service ~~to route the matching traffic to the target network~~.

*END OF CHANGES*