**3GPP TSG- Meeting #**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** | Unspecified behaviour when querying Traffic Influence subscriptions | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SBIProtoc19 | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | |  |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The logic to be used for the matching of the array query parameters of the GET to the Influence Data Subscription resource is not specified.  The related resource "Influence Data", as well as all the rest of the similar cases in 29.519, use a mixture or different matching logic approaches, always specifying this logic. However, this is absent for the Influence Data Subscription resource, which can lead to interoperability issues, since it is now, for example, unspecified, whether the "subscriber-categories" query parameter shall be an exact match of the "subscriberCatList" attribute of the TrafficInfluSub data type or the elements of the first shall be contained in the latter or any other matching logic applies. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Disambiguated the matching logic for GET query parameters of the Influence Data Subscription resource, in alignment with the matching logic used in other resources related to Traffic Influence. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Unspecified behaviour upon Traffic Influence subscription retrieval and possible interoperability issues. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.2.7.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | This CR does not impact any OpenAPI file. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

\*\*\* First Change \*\*\*

6.2.7.3.2 GET

This method shall support the URI query parameters specified in table 6.2.7.3.2-1.

**Table 6.2.7.3.2-1: URI query parameters supported by the GET method on this resource**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Data type** | **P** | **Cardinality** | **Description** |
| dnn | Dnn | O | 0..1 | Identifies a DNN. (NOTE 1) |
| snssai | Snssai | O | 0..1 | Identifies a slice. (NOTE 1) |
| internal-Group-Id  (NOTE 3) | GroupId | O | 0..1 | Identifies a group of users.  The UDR shall return Individual Influence Data Subscription resource(s) which contain the provided internal group identifier within the "internalGroupIds" attribute.  (NOTE 1) (NOTE 2) (NOTE 4) |
| internal-group-ids | array(GroupId) | O | 1..N | Identifies a group of users that belong to all the listed internal groups.  The UDR shall return Individual Influence Data Subscription resource(s) for which the provided array is an exact match of either the "internalGroupIds" attribute or the "internalGroupIdsAdd" attribute, i.e. the compared arrays contain exactly the same elements, even if the elements are not in the same order.  (NOTE 1) (NOTE 4) |
| subscriber-categories | array(string) | O | 1..N | Identifies a list of subscriber category.  The UDR shall return Individual Influence Data Subscription resource(s) for which the provided array is an exact match of the "subscriberCatList" attribute, i.e. the compared arrays contain exactly the same elements, even if the elements are not in the same order. |
| supi | Supi | O | 0..1 | Identifies a user. |
| NOTE 1: At least one of "dnn", "snssai" or "internal-Group-Id" or "internal-group-ids"(may be included when the FinerGranUEs feature is supported) shall be provided.  NOTE 2: For the Traffic Influence Data applies to any UE, the "internal-Group-Id" shall set to "AnyUE".  NOTE 3: The query parameter does not follow the related naming convention (i.e. "lower-with-hyphen") defined in clause 5.1.3.3 of 3GPP TS 29.501 [7]. This query parameter is however kept as currently defined in this specification for backward compatibility considerations.  NOTE 4: Attributes "internal-Group-Id" and "internal-group-ids" are mutually exclusive attributes. | | | | |

This method shall support the request data structures specified in table 6.2.7.3.2-2 and the response data structures and response codes specified in table 6.2.7.3.2-3.

**Table 6.2.7.3.2-2: Data structures supported by the GET Request Body on this resource**

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| --- | --- | --- | --- |
| **Data type** | **P** | **Cardinality** | **Description** |
| n/a |  |  |  |

**Table 6.2.7.3.2-3: Data structures supported by the GET Response Body on this resource**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Data type** | **P** | **Cardinality** | **Response**  **codes** | **Description** |
| array(TrafficInfluSub) | M | 0..N | 200 OK | The subscription information as request in the request URI query parameter(s) are returned. |
| NOTE: The mandatory HTTP error status codes for the GET method listed in table 5.2.7.1-1 of 3GPP TS 29.500 [4] also apply. | | | | |

\*\*\* End of Changes \*\*\*