**3GPP TSG-CT WG4 Meeting #109-eC4-222xyz**

**E-Meeting, 06th – 12th April 2022 (was C4-222155)**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **29.504** | **CR** | **0185** | **rev** | **1** | **Current version:** | **17.6.0** |  |
|  |
| *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:***  | Logical Relationship of Query Parameters |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | CT4 |
|  |  |
| ***Work item code:*** | SBIProtoc17 |  | ***Date:*** | 2022-03-14 |
|  |  |  |  |  |
| ***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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | TS 29.501 indicates that the default logical relationship between query parameters shall be indicated explicitly on each API definition.On the Nudr\_DataRepository API, there are many resources and operations specifying mulitple query parameters, but it is not indicated which is the default logical relationship between them. |
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| ***Summary of change:*** | Specify that the default logical relationship shall be the logical "AND", unless indicated otherwise by each specific resource and operation. |
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| ***Consequences if not approved:*** | Ambiguity on the API definition, since it is not clear how to interpret the behaviour to be expected by the presence of multiple query parameters. |
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| ***Clauses affected:*** | 5.2.2.1 |
|  |  |
|  | **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 introduce any OpenAPI impacts. |
|  |  |
| ***This CR's revision history:*** |  |

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

### 5.2.2 Service Operations

#### 5.2.2.1 Introduction

This clause specifies the generic Nudr\_DataRepository service operations towards the different data sets as shown in Figure 4-1.

The HTTP request of the service operations contains a resource URI where the {apiSpecificResourceUriPart} (see clause 4.4.2 in 3GPP TS 29.501 [8]) consists of a top-level segment and sub-level segment(s), followed by query parameters (optional or required).

If multiple query parameters are defined for a method on the resource, the default logical relationship between the different query parameters shall be the logical "AND", unless explicitly indicated on each specific resource and operation on the Nudr\_DataRepository API.

NOTE: Not all query parameters imply necessarily a logical relationship with other parameters (e.g. "supported-features"); whether or not such logical relationship exists, is implied by the semantics of the different query parameters in each resource and operation.

For Create, Query, Update and Delete operations, the top-level segment indicates one top level resource representing one of the data sets, which are defined as "/subscription-data", "/policy-data", "/exposure-data" and "/application-data" in Figure 6.1.3.1-1. And a certain child resource is indicated by of the end URI of the sub-level segments, which are defined in 3GPP TS 29.505 [2] for use when the top-level segment is "/subscription-data" and in 3GPP TS 29.519 [3] for use when the top-level segment is "/policy-data", "/exposure-data" or "/application-data".

For Subscribe/Unsubscribe to data change notification operations, the resource of the subscription to the notification should be as the child resource of each of the data sets (i.e. "/subscription-data", "/policy-data", "/exposure-data" and "/application-data"), which are indicated by the top-level segment in the URI. And the resource representation of the subscription to the notification should be indicated by the sub-level segment of each data set.

The following procedures for each operation should be taken as the common procedures and applicable to corresponding detail procedures with the same service operation in 3GPP TS 29.505 [2] and 3GPP TS 29.519 [3].

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