**3GPP TSG-CT WG4 Meeting #110-eC4-223xyz**

**E-Meeting, 12th – 20th May 2022 (was C4-223202)**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.510** | **CR** | **0722** | **rev** | **1** | **Current version:** | **17.5.0** |  |
|  | | | | | | | | |
| *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:*** | Encoding of Query Parameters | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SBIProtoc17 | | | | |  | ***Date:*** | | | 2022-04-22 |
|  |  | | | |  | |  | | |  |
| ***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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Query parameters defined as an array of simple types (e.g. array of strings) must be formatted using OpenAPI keyword "style" set to "form" and keyword "explode" set to false. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Correct the wrong encoding of query parameters:  - ml-analytics-id-list  - preferences-precedence  (Given that these query parameters were introduced during Rel-17, and therefore the affected API is still in development "alpha" status, such correction is considered as backwards-compatible) | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | API specification not conformant to the general guidelines described in TS 29.501. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | A.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 introduces backwards-compatible corrections with impacts on the following APIs:  - TS29510\_Nnrf\_NFDiscovery.yaml | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

## A.3 Nnrf\_NFDiscovery API

*(... text not shown for clarity ...)*

- name: ml-analytics-id-list

in: query

description: Analytics Id(s) of Nnwdaf\_MLModelProvision service

schema:

type: array

items:

$ref: 'TS29520\_Nnwdaf\_EventsSubscription.yaml#/components/schemas/NwdafEvent'

minItems: 1

style: form

explode: false

*(... text not shown for clarity ...)*

- name: preferences-precedence

in: query

description: Indicating the precedence of the preference query parameters (from higher to lower).

schema:

type: array

items:

type: string

minItems: 2

style: form

explode: false

*(... text not shown for clarity ...)*

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