**3GPP TSG-CT WG4 Meeting #99eC4-204xxx**

**E-Meeting, 18th – 28th August 2020 *Revision of C4-204154***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.503** | **CR** | **0475** | **rev** | **1** | **Current version:** | **16.4.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Maximum response time/latency time | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5G\_CIoT | | | | |  | ***Date:*** | | | 2020-08-24 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Based on the description in clause 4.15.6.3a of TS 23.502:  *If the UDM received multiple Network Configuration requests, the UDM shall accept the request as long as the Maximum Latency (if received) and/or the Maximum Response Time (if received) are within the range defined by operator policies. The UDM shall use the minimum value of Maximum Latency(s) and/or the maximum value of Maximum Response Time(s) as the AMF-Associated parameters.*  *S2-2004468 attached in LS C4-203457 from SA2* removes the text in clause 4.15.6.3a indicating that parameters Maximum Latency and Maximum Response Time are associated with DNN and S-NSSAI.  UDM does not need to send latency value or response value based on DNN and S-NSSAI. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Remove the snssai and dnn in Maximum Response Time and Maximum Latency time | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Misalignment with stage2;  Network Configuration parameters not working as expected;  Potentially inconsistent user experience when UE camping in EPS and in 5GS | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1.6.2.50, 6.1.6.2.51, A.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 introduces backward compatible corrections to the OpenAPI file for *Nudm\_SDM* API. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev1:  Reverts the changes in 5.2.2.2.3 and 6.1.2.4. | | | | | | | | |

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

##### 6.1.6.2.50 Type: MaximumResponseTime

Table 6.1.6.2.50-1: Definition of type MaximumResponseTime

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| maximumResponseTime | DurationSec | M | 1 | Value in seconds. |
| validityTime | DateTime | O | 0..1 | If present, identifies the time to which the Network Configuration Parameters expire and shall be deleted locally if it expire (see TS 23.502 [3] clause 4.15.6.3a).  (NOTE 1) |
| NOTE 1: If this attribute is omitted, no expiry for the expected UE behaviour parameters applies. | | | | |

\* \* \* Next Change \* \* \* \*

##### 6.1.6.2.51 Type: MaximumLatency

Table 6.1.6.2.51-1: Definition of type MaximumLatency

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| maximumLatency | DurationSec | M | 1 | Value in seconds. |
| validityTime | DateTime | O | 0..1 | If present, identifies the time to which the Network Configuration Parameters expire and shall be deleted locally if it expire (see TS 23.502 [3] clause 4.15.6.3a).  (NOTE 1) |
| NOTE 1: If this attribute is omitted, no expiry for the expected UE behaviour parameters applies. | | | | |

\* \* \* Next Change \* \* \* \*

## A.2 Nudm\_SDM API

openapi: 3.0.0

info:

version: '2.1.0'

title: 'Nudm\_SDM'

description: |

Nudm Subscriber Data Management Service.

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[…]

MaximumResponseTime:

type: object

required:

- maximumResponseTime

properties:

maximumResponseTime:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DurationSec'

validityTime:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DateTime'

MaximumLatency:

type: object

required:

- maximumLatency

properties:

maximumLatency:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DurationSec'

validityTime:

$ref: 'TS29571\_CommonData.yaml#/components/schemas/DateTime'

[…]

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