**3GPP TSG-CT WG4 Meeting #105-eC4-214xyz**

**E-Meeting, 17th – 27th August 2021 (was C4-214372)**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.503** | **CR** | **0695** | **rev** | **1** | **Current version:** | **17.3.0** |  |
|  | | | | | | | | |
| *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:*** | MTC Provider in NIDD Authorization | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | CT4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SBIProtoc17 | | | | |  | ***Date:*** | | | 2021-08-06 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | MTC Provider Information is defined as an optional parameter in TS 29.122, moreover 23.503 states MTC Provider may be obtained by NEF by configuration means, however, it is defined as mandatory in NiddAuthorizationData GET operation in TS 29.505. Current 29.503 and 29.505 technical specifications do not specify how UDM must behave when it does not receive this piece of information from NEF. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | In order to provide backwards compatibility, MTC Provider is kept as mandatory, but it is now stated that if no MTC Provider is received by UDM it will be included as an empty string. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | It will not be possible for NEF to send NIDD Authorization when no MTC Provider is included in the original query sent by NEF. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.6.6.2.6 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 changes on the OpenAPI specification files. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

##### 6.6.6.2.6 Type: AuthorizationInfo

Table 6.6.6.2.6-1: Definition of type AuthorizationInfo

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description |
| snssai | Snssai | M | 1 | Indicates Single Network Slice Selection Assistance Information for NIDD authorization. |
| dnn | Dnn | M | 1 | Indicates DNN for NIDD authorization, shall contain the Network Identifier only. |
| mtcProviderInformation | MtcProviderInformation | M | 1 | Indicates MTC provider information for NIDD authorization. (NOTE) |
| authUpdateCallbackUri | Uri | M | 1 | A URI provided by NEF to receive (implicitly subscribed) notifications on authorization data update.  The authUpdateCallbackUri URI shall have unique information within NEF to identify the authorized result. |
| afId | string | O | 0..1 | When present, indicates the string identifying the originating AF, which is carried in {scsAsId} URI variable in resource URIs on T8/N33 interface (see clause 5 of 3GPP TS 29.122 [45]) or in {afId} URI variable in resource URIs on N33 interface (see clause 5 of 3GPP TS 29.522 [54]). |
| nefId | NefId | O | 0..1 | When present, this IE shall contain the ID of the requesting NEF.  The UDM shall update the NIDD NEF ID for the DNN and Slice in corresponding subscription data after successful NIDD authorization, as specified in clause 4.25.3 of 3GPP TS 23.502 [3]. |
| NOTE: When the service operation is originated by external AF via T8/N33 interface, information carried in mtcProviderId attribute in NiddConfiguration structured data type (see clause 5.6.2.1.2 of 3GPP TS 29.122 [45]) can be used as the value for this IE. If the value is not received via T8/N33, the value for the mtcProviderInformation attribute shall be the empty string. | | | | |

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