**3GPP TSG-CT WG3 Meeting #118e C3-215128**

**E-Meeting, 11th – 15th October 2021 (Revision of C3-21xxxx)**

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| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **29.591** | **CR** | **0057** | **rev** | **-** | **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:***  | Updates to User Data Congestion |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | CT3 |
|  |  |
| ***Work item code:*** | eNA\_Ph2 |  | ***Date:*** | 2021-09-20 |
|  |  |  |  |  |
| ***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)* |
|  |  |
| ***Reason for change:*** | User Data Congestion feature applicability is missing in data type NefEventSubs, NefEventFilter and TargetUeIdentification. |
|  |  |
| ***Summary of change:*** | Adding User Data Congestion feature applicability in data type NefEventSubs, NefEventFilter and TargetUeIdentification. |
|  |  |
| ***Consequences if not approved:*** | Not complete data type feature applicability for User Data Congestion. |
|  |  |
| ***Clauses affected:*** | 5.1.6.2.5, 5.1.6.2.7, 5.1.6.2.8 |
|  |  |
|  | **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 the OpenAPI files. |
|  |  |
| ***This CR's revision history:*** |  |

**Additional discussion(if needed):**

**Proposed changes:**

\*\*\* 1st Change \*\*\*

##### 5.1.6.2.5 Type NefEventSubs

Table 5.1.6.2.5-1: Definition of type NefEventSubs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| event | NefEvent | M | 1 | Subscribed event. |  |
| eventFilter | NefEventFilter | C | 0..1 | Represents the event filter information associated with each event. Shall be present if "event" sets to "SVC\_EXPERIENCE", "UE\_MOBILITY", "UE\_COMM", "EXCEPTIONS", "USER\_DATA\_CONGESTION", or "PERF\_DATA". | ServiceExperienceUeCommunicationUeMobilityExceptionsUserDataCongestionPerformanceData |

\*\*\* 2nd Change \*\*\*

##### 5.1.6.2.7 Type NefEventFilter

Table 5.1.6.2.7-1: Definition of type NefEventFilter

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| tgtUe | TargetUeIdentification | M | 1 | Represents the UE information to which the request applies. | (NOTE 1) |
| appIds | array(ApplicationId) | C | 1..N | Each element indicates an application identifier.If absent, the NefEventFilter data applies to any application (i.e. all applications). (NOTE 2) | ServiceExperienceExceptionsUeCommunication UeMobilityUserDataCongestionPerformanceData |
| locArea | NetworkAreaInfo | O | 0..1 | Represents an area of interest. (NOTE 3) | ServiceExperienceExceptions UeCommunicationUeMobilityUserDataCongestion |
| NOTE 1: Applicability is further described in the corresponding data type. NOTE 2: For the events "EXCEPTIONS", "UE\_MOBILITY", "UE\_COMM", and "PERF\_DATA", if present, the "appIds" attribute shall include only one element. NOTE 3: For event "SVC\_EXPERIENCE", only the " tais " attribute within the NetworkAreaInfo data is applicable. |

\*\*\* 3rd Change \*\*\*

##### 5.1.6.2.8 Type TargetUeIdentification

Table 5.1.6.2.8-1: Definition of type TargetUeIdentification

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| supis | array(Supi) | O | 1..N | Each element identifies a SUPI for an UE. | ServiceExperienceExceptionsUeMobilityUeCommunicationUserDataCongestion |
| interGroupIds | array(GroupId) | O | 1..N | Each element represents an internal group identifier which identifies a group of UEs. | ServiceExperienceExceptionsUeMobilityUeCommunication |
| anyUeId | boolean | O | 0..1 | Identifies whether the request applies to any UE. This attribute shall set to "true" if applicable for any UE, otherwise, set to "false". | ServiceExperienceExceptionsUserDataCongestion |
| NOTE: For an applicable feature, only one attribute identifying the target UE shall be provided. |

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