**TSG-CT WG3 Meeting #112-e *C3-205xyz***

**E-Meeting, 4th – 13th November 2020 (Revision of C3-205272)**

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| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **29.520** | **CR** | **0229** | **rev** | **1** | **Current version:** | **16.5.0** |  |
|  |
| *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:***  | Analytics report correction |
|  |  |
| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | CT3 |
|  |  |
| ***Work item code:*** | eNA |  | ***Date:*** | 2020-10-28 |
|  |  |  |  |  |
| ***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 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:*** | For UE communication, only one SUPI or internal group Id shall be provided during the event subscription/request, and the analytics result of UE communication is per SUPI or internal group Id, as described in TS 23.288:===== subclause 6.7.3.1 of TS 23.288 =====*The consumer of these analytics may indicate in the request:**- The Target of Analytics Reporting which is a single UE or a group of UEs.*===== subclause 6.7.3.3 of TS 23.288 =====*Table 6.7.3.3-1: UE Communication Statistics*

|  |  |
| --- | --- |
| *Information* | *Description* |
| *UE group ID or UE ID* | *Identifies an UE or a group of UEs, e.g. internal group ID defined in TS 23.501 [2] clause 5.9.7 or SUPI (see NOTE).* |
| *UE communications (1..max)* | *List of communication time slots.* |
| *……* |  |

Current specification allowes more than one SUPI or internal group Id can be provided during the event subscription/request to filter the target of analytics reporting, but the analytics result is per subscription/request level (multiple SUPIs or internal group Ids), which is misalignment with stage 2 requirement.Two following solutions can be considerred to update current specification that:1. only one SUPI or internal group Id can be provided as target of analytics reporting during event subscription/request, or
2. the NWDAF shall provide analytics result of UE communication per SUPI or internal group Id.

Considerring that NBC issue (SUPI or Internal group Id shall be included in each UeCommunication data type as defined in subclause 5.1.6.2.13) will be introduced if using Solution 2, it’s proposed to update the specification as Solution 1, which fully align with stage 2.Except Service Experience event, all other events (i.e. UE mobility event, Abnormal behaviour event, Network Performance event, NF load event and User data congestion event), which can provided SUPI or internal group Id as target of analytics reporting, have the same issue. |
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| ***Summary of change:*** | Update the specification that only one SUPI or internal group Id can be provided as target of analytics reporting during event subscription/request for some events. |
|  |  |
| ***Consequences if not approved:*** | Misalignment with stage 2 requirement. |
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| ***Clauses affected:*** | 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 file. |
|  |  |
| ***This CR's revision history:*** |  |

**Additional discussion(if needed):**

**Proposed changes:**

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

##### 5.1.6.2.8 Type TargetUeInformation

Table 5.1.6.2.8-1: Definition of type TargetUeInformation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **P** | **Cardinality** | **Description** | **Applicability** |
| anyUe | boolean | O | 0..1 | Identifies any UE when setting to true. | ServiceExperienceNetworkPerformanceNfLoadUserDataCongestionAbnormalBehaviourQoSSustainability |
| supis | array(Supi) | O | 1..N | Identifies a SUPI for an UE.(NOTE 2) | UeMobilityUeCommunicationNetworkPerformance AbnormalBehaviourUserDataCongestionNfLoadServiceExperience |
| intGroupIds | array(GroupId) | O | 1..N | Represents an internal group identifier and identifies a group of UEs.(NOTE 2) | UeMobilityUeCommunicationNetworkPerformance AbnormalBehaviourServiceExperience |
| NOTE 1: For an applicable feature, only one attribute identifying the target UE shall be provided.NOTE 2: Only one element in the attribute shall be provided for the applicable events except the "SERVICE\_EXPERIENCE" event. |

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