**3GPP TSG CT WG3 Meeting #135 *C3-243149r1***

**Hyderabad, IN, 27 - 31 May, 2024**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **29.520** | **CR** | **0907** | **rev** | **1** | **Current version:** | **18.5.1** |  |
|  | | | | | | | | |
| *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:*** | Corrections related to anaAccuInd attribute | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | eNA\_Ph3 | | | | |  | ***Date:*** | | | 2024-05-20 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | AccuracyInfo data type is defined in Nnwdaf\_EventsSubscription Service API, and reused by Nnwdaf\_AnalyticsInfo Service API.  According to 23.288, "anaAccuInd" attribute within AccuracyInfo data type is used to indicate whether the determined accuracy value for the analytics ID meets the analytics accuracy threshold requested for the analytics ID, as the analytics request does not include the analytics accuracy threshold within "accuDevThr" attribute (see NOTE 21 of Table 5.2.6.2.3-1), it does not make sense for the NWDAF containing AnLF to provide "anaAccuInd" attribute in the analytics response, which should be clarified. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add a NOTE in Table 5.2.6.2.2-1 to clarify that "anaAccuInd" attribute is not applicable for analytics response. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | It’s unclear whether "anaAccuInd" attribute is applicable for analytics response. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.2.6.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 does not have any impact in the OpenAPI specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

**Additional discussion(if needed):**

**Proposed changes:**

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

##### 5.2.6.2.2 Type AnalyticsData

Table 5.2.6.2.2-1: Definition of type AnalyticsData

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Attribute name | | Data type | | P | | Cardinality | | Description | | Applicability | |
| start | | DateTime | | O | | 0..1 | | It defines the start time of which the statistics analytics information is applicable or predictions analytics information is valid. (NOTE 1) (NOTE 7) | |  | |
| expiry | | DateTime | | O | | 0..1 | | It defines the expiration time after which the statistics analytics information is applicable or predictions analytics information is invalid. (NOTE 1) (NOTE 7) | |  | |
| timeStampGen | | DateTime | | C | | 0..1 | | It defines the timestamp of analytics generation. (NOTE 3) | |  | |
| anaMetaInfo | | AnalyticsMetadataInfo | | C | | 0..1 | | Contains information about analytics metadata required to aggregate the analytics. It shall be present if the "anaMeta" attribute was included in the request, containing the information indicated by the "anaMeta" attribute. | | Aggregation | |
| sliceLoadLevelInfos | | array(SliceLoadLevelInformation) | | C | | 1..N | | The slices and the load level information. Shall be present when the requested event is "LOAD\_LEVEL\_INFORMATION". | |  | |
| nsiLoadLevelInfos | | array(NsiLoadLevelInfo) | | C | | 1..N | | Each element identifies the load level information for an S-NSSAI and the optionally associated network slice instance.  Shall be presented when the requested event is "NSI\_LOAD\_LEVEL" | | NsiLoad | |
| nwPerfs | | array(NetworkPerfInfo) | | C | | 1..N | | The network performance information.  Shall be present when the requested event is "NETWORK\_PERFORMANCE". | | NetworkPerformance | |
| nfLoadLevelInfos | | array(NfLoadLevelInformation) | | C | | 1..N | | The NF load information.  When the requestedevent is "NF\_LOAD", the nfLoadLevelInfos shall be included. | | NfLoad | |
| qosSustainInfos | | array(QosSustainabilityInfo) | | C | | 1..N | | The QoS sustainability informations in the certain geographic areas.  It shall be present if the requested eventis "QOS\_SUSTAINABILITY".  (NOTE 2) | | QoSSustainability | |
| ueMobs | | array(UeMobility) | | C | | 1..N | | The UE mobility information.  When the requested event is "UE\_MOBILITY", the "ueMobs" attribute shall be included.  (NOTE 5) (NOTE 8) | | UeMobility | |
| ueComms | | array(UeCommunication) | | C | | 1..N | | The UE communication information.  When the requested event is "UE\_COMM", the "ueComms" attribute shall be included. (NOTE 9) | | UeCommunication | |
| userDataCongInfos | | array(UserDataCongestionInfo) | | C | | 1..N | | The user data congestion information.  Shall be present when the requested event is "USER\_DATA\_CONGESTION". | | UserDataCongestion | |
| suppFeat | | SupportedFeatures | | C | | 0..1 | | List of Supported features used as described in clause 5.2.8.  This parameter shall be supplied by NWDAF in the reply of GET request that request the analytics resource, if the consumer includes "supported-features" in the GET request. | |  | |
| svcExps | | array(ServiceExperienceInfo) | | C | | 1..N | | The service experience information.  Shall be present when the requested event is "SERVICE\_EXPERIENCE". | | ServiceExperience | |
| abnorBehavrs | | array(AbnormalBehaviour) | | C | | 1..N | | The abnormal behaviour information.  Shall be present when the requested event is "ABNORMAL\_BEHAVIOUR". | | AbnormalBehaviour | |
| smccExps | | array(SmcceInfo) | | C | | 1..N | | The Session Management congestion control experience information.  Shall be present when the requested event is "SM\_CONGESTION". | | SMCCE | |
| disperInfos | | array(DispersionInfo) | | C | | 1..N | | The Dispersion information.  Shall be present when the requested event is "DISPERSION". | | Dispersion | |
| redTransInfos | | array(RedundantTransmissionExpInfo) | | C | | 1..N | | The Redundant Transmission Experience analytics information.  Shall be present when the requested event is "RED\_TRANS\_EXP". | | RedundantTransmissionExp | |
| wlanInfos | | array(WlanPerformanceInfo) | | C | | 1..N | | The WLAN performance related information.  When requested event is "WLAN\_PERFORMANCE", the "wlanInfos" attribute shall be included. (NOTE 6) | | WlanPerformance | |
| dnPerfInfos | | array(DnPerfInfo) | | C | | 1..N | | The DN performance information.  Shall be present when the requested event is "DN\_PERFORMANCE". (NOTE 4) | | DnPerformance | |
| pduSesTrafInfos | | array(PduSesTrafficInfo) | | C | | 1..N | | The PDU Session traffic related information.  Shall be present when the requested event is "PDU\_SESSION\_TRAFFIC". | | PduSesTraffic | |
| dataVlTrnsTmInfos | | array(E2eDataVolTransTimeInfo) | | C | | 1..N | | E2E data volume transfer time information.  Shall be present when the requested event is "E2E\_DATA\_VOL\_TRANS\_TIME". | | E2eDataVolTransTime | |
| locAccInfos | | array(LocAccuracyInfo) | | C | | 1..N | | The Location Accuracy related information.  It shall be present when the requested event is "LOC\_ACCURACY". | | LocAccuracy | |
| accuInfo | | AccuracyInfo | | C | | 0..1 | | The analytics accuracy information.  Shall be provided if the analytics accuracy requirement was requested in the "accuReq" attribute and the "cancelAccuInd" attribute is set to "false" or omitted.  (NOTE X) | | AnalyticsAccuracy | |
| cancelAccuInd | | boolean | | O | | 0..1 | | Indicates cancelled request of the analytics accuracy information.  Set to "true" indicates the NWDAF cancelled request of analytics accuracy information as the NWDAF does not support the accuracy checking capability.  Otherwise set to "false". Default value is "false" if omitted. | | AnalyticsAccuracy | |
| movBehavInfos | | array(MovBehavInfo) | | C | | 1..N | | The Movement Behaviour information.  Shall be present when the requested event is "MOVEMENT\_BEHAVIOUR". | | MovementBehaviour | |
| relProxInfos | | array(RelProxInfo) | | C | | 1..N | | The Relative Proximity information.  Shall be present when the requested event is "RELATIVE\_PROXIMITY", | | RelativeProximity | |
| NOTE 1: If the "start" attribute and the "expiry" attribute are both provided, the DateTime of the "expiry" attribute shall not be earlier than the DateTime of the "start" attribute.  NOTE 2: The "qosFlowRetThd" and "ranUeThrouThd" attributes in QosSustainabilityInfo data type are not applicable.  NOTE 3: This attribute shall be included when ADRF is deployed.  NOTE 4: The "minTrafficRate", "aggTrafficRate", "varTrafficRate", "trafRateUeIds", "avePacketDelay", "maxPacketDelay", "varPacketDelay", "packDelayUeIds", "maxPacketLossRate", "varPacketLossRate" and "packetLossUeIds" attribute(s) within the DnPerfInfo data type is applicable only if the "DnPerformanceExt\_AIML" feature is supported.  NOTE 5: The "directionInfos" attribute and the "geoDistrInfos" attribute in the "locInfos" attribute within the UeMobility data type are applicable only if the "UeMobilityExt\_AIML" feature is supported.  NOTE 6: The "wlanPerUeIdInfos" attribute may be included within the "wlanInfos" attribute only if the "WlanPerformanceExt\_AIML" feature is supported.  NOTE 7: The validity period specified by "start" and "expiry" attributes is determined by NWDAF internal logic, and is a subset of the analytics target period indicated by "startTs" and "endTs", or "offsetPeriod" attributes contained in "ana-req" attribute. If the analytics target period refers to the past, the period specified by these two attributes indicate the time period over which the statistics are applicable. If the analytics target period refers to the future, the period specified by these two attributes indicate the time period over which the predictions are valid.  NOTE 8: If the "UeMobilityExt2\_eNA" feature is supported and the "locationGranReq" attribute value "LON\_AND\_LAT\_LEVEL" is requested, the "geoLoc" attribute within the "locInfos" attribute in the "UeMobility" type shall be provided to report the geographical location (longitude and latitude level).  NOTE 9: The "perioCommInd", "anaOfAppList" and "sessInactTimer" attributes within the UeCommunication data type are applicable only if the "UeCommunicationExt" feature is supported.  NOTE X: Only the "accuracyVal" and "accuSampleNbr" attributes within the AccuracyInfo data type are applicable. | | | | | | | | | | | |

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