**3GPP TSG- Meeting #**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** | UE to UE Performance Analytics API corrections | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia, Huawei | | | | | | | | | |
| ***Source to TSG:*** | CT3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | ADAES | | | | |  | ***Date:*** | | | 2024-05-31 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | There is a mistaken API name and some mistaken references, while the AnalyticsType data structure now (after the agreement of C3-242598) contains only the category attribute and therefore the related attribute descriptions need to be corrected. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Fixed the wrong API name and references and the erroneous descriptions of AnalyticsType attributes.  Removed also some extra line breaks. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Wrong specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.10.3.1, 7.10.3.2.1, 7.10.3.2.3.2, 7.10.3.4.2.2, 7.10.3.4.2.3, 7.10.8.5.2.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 any OpenAPI file. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

7.10.3.1 API URI

The SS\_ADAE\_Ue2UePerformanceAnalytics service shall use the SS\_ADAE\_Ue2UePerformanceAnalytics API.

The request URIs used in HTTP requests from the VAL server towards the ADAE server shall have the Resource URI structure as defined in clause 6.5 with the following clarifications:

- The <apiName>shall be "ss-adae-uupa".

- The <apiVersion> shall be "v1".

- The <apiSpecificSuffixes> shall be set as described in clause 7.10.3.2.

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

7.10.3.2.1 Overview

This clause describes the structure for the Resource URIs and the resources and methods used for the service.

Figure 7.10.3.2.1-1 depicts the resource URIs structure for the SS\_ADAE\_Ue2UePerformanceAnalytics API.

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**Figure 7.10.3.2.1-1: Resource URI structure of the SS\_ADAE\_Ue2UePerformanceAnalytics API**

Table 7.10.3.2.1-1 provides an overview of the resources and applicable HTTP methods.

**Table 7.10.3.2.1-1: Resources and methods overview**

|  |  |  |  |
| --- | --- | --- | --- |
| **Resource name** | **Resource URI** | **HTTP method** | **Description** |
| UE-to-UE Session Performance Event Subscription | /ue2ue-session-performance | POST | Create an individual UE-to-UE session performance analytics event subscription. |
| Individual UE-to-UE Session Performance Event Subscription | /ue2ue-session-performance/{u2uPerfId} | GET | Read the individual UE-to-UE session performance analytics event subscription. |
| DELETE | Remove the individual UE-to-UE session performance analytics event subscription. |



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

7.10.3.2.3.2 Resource Definition

Resource URI: {**apiRoot**}/**ss-adae-uupa**/<**apiVersion**>/**ue2ue-session-performance**/{**u2uPerfId**}

This resource shall support the resource URI variables defined in table 7.10.3.2.3.2-1.

**Table 7.10.3.2.3.2-1: Resource URI variables for this resource**

|  |  |  |
| --- | --- | --- |
| **Name** | **Data Type** | **Definition** |
| apiRoot | string | See clause 6.5. |
| u2uPerfId | string | Represents the identifier of an individual UE-to-UE session performance event subscription. |

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

7.10.3.4.2.2 Type: U2UPerfSub

**Table 7.10.3.4.2.2-1: Definition of type U2UPerfSub**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **P** | **Cardinality** | **Description** | **Applicability** |
| analyticsType | AnalyticsType | M | 1 | Represents the type of the UE-to-UE session performance analytics. |  |
| valUeIds | array(ValTargetUe) | M | 1..N | Represent the list of VAL UEs, whose UE-to-UE session analytics are subscribed to. |  |
| valServiceId | string | O | 0..1 | Represents the VAL service for which the subscription applies. |  |
| confLevel | Uinteger | O | 0..1 | Indicates the preferred accuracy level for the UE-to-UE session prediction.  Minimum = 0. Maximum = 100. |  |
| area | LocationArea5G | O | 0..1 | Represents the geographical or service area, to which the UE-to-UE session performance analytics subscription is applied. |  |
| repReqs | U2UReportingRequirements | O | 0..1 | Represents the reporting requirements. |  |
| expReqs | array(U2UThreshold) | O | 1..N | Represents the exposure level requirements for the analytics to be exposed. |  |
| notifUri | Uri | M | 1 | Represents the notification URI. |  |
| timeInterval | TimeWindow | O | 0..1 | The time interval as the start time and end time, to which the UE-to-UE session performance analytics subscription is applied. |  |
| suppFeat | SupportedFeatures | C | 0..1 | Used to negotiate the applicability of optional features.  This attribute shall be present only if feature negotiation needs to take place. |  |

Editor's Note: Detailed definition for the "repReqs" attribute is FFS.

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

7.10.3.4.2.3 Type: U2UPerfNotif

**Table 7.10.3.4.2.3-1: Definition of type U2UPerfNotif**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **P** | **Cardinality** | **Description** | **Applicability** |
| analyticsOutput | array(U2UAnalyticsData) | M | 1..N | UE-to-UE session performance analytics for prediction or statistics depending on the type. |  |
| analyticsType | AnalyticsType | O | 0..1 | Identity the type of the UE-to-UE session performance analytics |  |
| confLevel | Uinteger | C | 0..1 | Indicates the confidence of the prediction.  This attribute shall be provided if the "analyticsType" attribute in the request is set to "PREDICTIVE".  Minimum = 0. Maximum = 100. |  |

*Editor's Note: The exact contents/requirements of the "analyticsType" are FFS.*

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

7.10.8.5.2.3 Type: EventSubscription

**Table 7.10.8.5.2.3-1: Definition of type EventSubscription**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attribute name** | **Data type** | **P** | **Cardinality** | **Description** | **Applicability** |
| event | AadrfEvent | M | 1 | The event that is subscribed. |  |
| dataCollectReq | string | O | 0..1 | The requirements for data collection. |  |
| dataProducerIds | array(string) | O | 1..N | The list of Data Producer IDs. |  |
| valUes | array(ValTargetUe) | O | 1..N | The target VAL UE(s) identifiers. |  |
| valServerId | string | O | 0..1 | Identifies the target VAL server for which the data collection subscription applies. |  |
| valServiceId | string | O | 0..1 | The VAL service ID of the VAL application. |  |
| profileCriteria | string | O | 0..1 | The characteristics of the data producers to be used. |  |
| validConds | ValidityConditions | O | 0..1 | Represents the temporal and/or spatial conditions applied for the request. |  |
| edgeReq | EdgeReq | O | 0..1 | The EDGE data collection requirement.  This attribute may be present if the subscribed event is "EDGE\_DATA". |  |
| snssais | array(Snssai) | C | 1..N | Identification(s) of network slice(s) to which the subscription applies.  This attribute shall be present if the subscribed event is "NETWORK\_SLICE". |  |
| apiLogReq | ApiLogReq | O | 0..1 | The historical service API logs requirement.  This attribute may be present if the subscribed event is "HISTORICAL\_SERVICEAPI". |  |

Editor's Note: The data type of "profileCriteria" and "dataCollectReq" attributes FFS.

Editor's Note: Whether the SS\_ADRF\_DataManagement API is to support partial or all the events is FFS.

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