**3GPP TSG-SA5 Meeting #157 *S5-246276***

Hyderabad, India, 14 - 18 October 2024

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.104** | **CR** | **0140** | **rev** | **-** | **Current version:** | **18.5.0** |  |
|  | | | | | | | | |
| *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 | **X** | Core Network | **X** |

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| ***Title:*** | Rel-18 CR 28.104 Clarify analytics identifier | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson, Deutsche Telekom | | | | | | | | | |
| ***Source to TSG:*** | SA5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17 | | | | |  | ***Date:*** | | | 2024-10-03 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **A** |  | | | | | ***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:*** | | As described in clause 8.2.2 an analytics output consist of the following three parts:  1) common information elements that can be generated by MDA and be applicable for all MDA capabilities;  2) capability-specific information elements; and  3) optionally, vendor specific extensions.  The first two parts are subsequently described in 8.3 and 8.4. It is currently not clear how the common information elements specified in 8.3 should be used. According to the text they are optional while table in 8.3 states that they are mandatory. Since each output of MDA is unique and the information of the MDA capability and MDA type is captured as part of the content of the analysis (described in 8.4) the identifier of the output can be a random number with no specific meaning. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | * Rephrase point 1) in clause 8.2 * Change AnalyticsId from String to Integer. | | | | | | | | |
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| ***Consequences if not approved:*** | | Potential for misunderstanding of solution leading ot interoperability issues | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.2.2, 8.3.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | No stage 3 impact | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **Start of modification** |

## 8.2 About analytics

### 8.2.1 About enabling data

Analytics are capability-specific, and the present document provides the enabling data for each MDA capability in the respective tables. It is not restrictive or mandatory to use the analytics inputs exactly the same as the provided enabling data (including historical and current data) for implementation, and other (additional or different) data are also allowed in order to facilitate the production of analytics outputs.

### 8.2.2 About analytics outputs

For analytics outputs, the following information elements are required:

1) common information elements generated by MDA and applicable for all MDA capabilities;

2) capability-specific information elements; and

3) optionally, vendor specific extensions.

The common information elements are provided in clause 8.3, and the capability-specific information elements are provided per MDA capability in clause 8.4 of the present document.

## 8.3 Common information elements of analytics outputs

### 8.3.0 General

There are some information elements that are common for all analytics outputs and MDA capabilities, i.e. these common information elements form a subset of all analytics outputs of all MDA capabilities.

### 8.3.1 Common information element definitions

The common information elements of the analytics outputs are defined in Table 8.3.1-1.

Table 8.3.1-1: Common information elements of analytics outputs

|  |  |  |  |
| --- | --- | --- | --- |
| Information element | Definition | Support qualifier | Properties |
| analyticsId | The identifier of the analytics output. | M | type: String or Integer  multiplicity: 1  isOrdered: N/A  isUnique: N/A  defaultValue: None  isNullable: False |
| analyticsOutputGenerationTime | It indicates the time when the analytics output is generated. | M | type: DateTime  multiplicity: 1  isOrdered: N/A  isUnique: N/A  defaultValue: None  isNullable: False |

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| **End of modification** |