**3GPP TSG-SA5 Meeting #155 *S5-242381r1***

Jeju, South Korea, 27 – 31 May 2024

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.622** | **CR** | **0365** | **rev** | **1** | **Current version:** | **18.6.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **X** | Core Network | **X** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | R18 CR 28.622 Trace Report Format Correction | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson, Huawei | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16 | | | | |  | ***Date:*** | | | 2024-05-15 |
|  |  | | | |  | |  | | |  |
| ***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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | File based trace reporting description is specified for 5G and pre-5G. Streaming based trace reporting description is added in R16 for 5G. It is specified that at NG-RAN activation procedure "Trace Collection Entity IP Address for the file-based trace reporting or Trace Reporting Consumer URI for the streaming trace reporting".  In section 5.9 Trace Collection Entity (TCE) IP Address "This parameter may be present only if the Trace Reporting MnS Consumer URI parameter is not present."  In section 5.9c Trace Reporting Consumer URI "The parameter may be present only if the IP address of TCE is not present"  The above statement is making a mandatory attribute optional which is not inline with the requirement specified in TS28.622 that “The attributes jobType, traceReference, traceRecordingSessionReference, traceCollectionEntityIPAddress, traceTarget and traceReportingFormat are mandatory for all job types.”  It is also not inline with RAN3 specification that Trace Collection Entity IP Address shall be included in the Trace Avtivation message and Trace Reporting Consumer URI may be included in the Trace Avtivation message. If the Trace Activation IE includes the Trace Reporting Consumer URI IE, the NG-RAN node shall use it as described in TS 32.422 and, if streaming based reporting is supported, ignore the Trace Collection Entity IP Address IE. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Making TCE IP address mandatory without condition, adding condition of ignoring TCE IP addess when Trace Reporting Consumer URI is present | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Misaligned with RAN3 specification | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 4.3.30.2, 4.3.30.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | TS32.422 CR0454/0455/0456 , TS28.622 CR0363/0364/0365 | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Revision of S5-242381 | | | | | | | | |

\*\*\* START OF NEXT CHANGE \*\*\*

#### 4.3.30.2 Attributes

The TraceJob IOC includes attributes inherited from Top IOC (defined in clause 4.3.29) and the following attributes:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute Name | S | isReadable | isWritable | isInvariant | isNotifyable |
| jobType | M | T | T | F | T |
| pLMNTarget | CM | T | T | F | T |
| traceReportingConsumerUri | CM | T | T | F | T |
| traceCollectionEntityIPAddress | M | T | T | F | T |
| traceReference | M | T | T | F | T |
| jobId | O | T | T | T | T |
| traceReportingFormat | M | T | T | F | T |
| traceTarget | M | T | T | F | T |
| traceConfig | CM | T | T | F | T |
| mdtConfig | CM | T | T | F | T |
| ueMeasConfig | CM | T | T | F | T |
| nPNTarget | CM | T | T | F | T |

\*\*\* START OF NEXT CHANGE \*\*\*

#### 4.3.30.3 Attribute constraints

|  |  |
| --- | --- |
| Name | Definition |
| pLMNTarget (support qualifier) | This attribute shall be present for management based activation when several PLMNs are supported in the RAN. |
| traceReportingConsumerUri (support qualifier) | This attribute shall be present if streaming trace data reporting is supported. |
| traceConfig (support qualifier) | This attribute shall be present if jobType includes Trace. |
| mdtConfig (support qualifier) | This attribute shall be present if jobType includes MDT. |
| ueMeasConfig (support qualifier) | This attribute shall be present if jobType includes 5GC UE Measurement. |
| nPNTarget | This attribute is applicable only for NR and shall be present in case of NPN (either PNI-NPN or SNPN) and for management-based activation when several NPNs are supported in the RAN. |

\*\*\* END OF CHANGE \*\*\*