**3GPP TSG-SA5 Meeting #157 *S5-246139***

Hyderabad, India, 14 - 18 Oct 2024

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **28.105** | **CR** | **0190** | **rev** | **1** | **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 TS 28.105 Fix modelPerformanceValidation attribute | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | AIML\_MGT | | | | |  | ***Date:*** | | | 2024-10-02 |
|  |  | | | |  | |  | | |  |
| ***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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The attribute modelPerformanceValidation is present in the big attribute table in 7.5.1 but it is missing from the attributes table for MLTrainingReport (Table 7.3a.1.2.3.2-1). | | | | | | | | |
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| ***Summary of change:*** | | modelPerformanceValidation is added to the table. The clause numbering for the clause was also incorrect so this is also updated | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Leads to incorrect implementation | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.3a.1.2.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Stage 3 has the attribute under MLTrainingReport so no stage 3 impact. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **Start of modification** |

##### 7.3a.1.2.3 MLTrainingReport

###### 7.3a.1.2.3.1 Definition

The IOC MLTrainingReport represents the ML model training report that is provided by the training MnS producer. The MLTrainingReport is associated with one MLModel or one MLModelCoordinationGroup.

The MLTrainingReport instance is created by the training MnS producer automatically when creating an MLTrainingRequest instance.

The MLTrainingReport MOI is contained under one MLTrainingFunction MOI.

###### 7.3a.1.2.3.2 Attributes

Table 7.3a.1.2.3.2-1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Support Qualifier | isReadable | isWritable | isInvariant | isNotifyable |
| usedConsumerTrainingData | CM | T | F | F | T |
| modelConfidenceIndication | O | T | F | F | T |
| modelPerformanceTraining | M | T | F | F | T |
| areNewTrainingDataUsed | M | T | F | F | T |
| modelPerformanceValidation | O | T | F | F | T |
| **Attribute related to role** |  |  |  |  |  |
| trainingRequestRef | CM | T | F | F | T |
| trainingProcessRef | M | T | F | F | T |
| lastTrainingRef | CM | T | F | F | T |
| mLModelGeneratedRef | M | T | F | F | T |
| mLModelCoordinationGroupGeneratedRef | CM | T | F | F | T |
| mLModelRef | M | T | F | F | T |

###### 7.3a.1.2.3.3 Attribute constraints

Table 7.3a.1.2.3.3-1

|  |  |
| --- | --- |
| Name | Definition |
| usedConsumerTrainingData Support Qualifier | Condition: The value of areConsumerTrainingDataUsed attribute is ALL or PARTIALLY. |
| trainingRequestRef Support Qualifier | Condition: The MLTrainingReport MOI represents the report for the ML model training that was requested by the MnS consumer (via MLTrainingRequest MOI). |
| lastTrainingRef Support Qualifier | Condition: The MLTrainingReport MOI represents the report for the ML model training that was not initial training (i.e. the model has been trained before). |
| mLModelCoordinationGroupGeneratedRef Support Qualifier | Condition: The MLTrainingReport MOI represents the report for a joint training of a group of ML Models. |

###### 7.3a.1.2.3.4 Notifications

The common notifications defined in clause 7.6 are valid for this IOC, without exceptions or additions.

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| **End of modifications** |