**3GPP TSG-SA5 Meeting #157 *S5-246218***

Hyderabad, India, 14 - 18 Oct 2024

|  |
| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  |  | **CR** | **0188** | **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)*.* |
|  |

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

|  |
| --- |
|  |
| ***Title:***  | Rel 18 CR TS 28.105 Make decisionConfidenceScore attr applicable for Training  |
|  |  |
| ***Source to WG:*** | Ericsson |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | TEI17 |  | ***Date:*** | 2024-10-01 |
|  |  |  |  |  |
| ***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 canbe 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 ModelPerformance datatype, in it’s definition specifies that it is the performance of an ML entity when performing inference but there are training attributes that also use this dataType. For example performanceRequirements which is an attribute in the Training Request is of type ModelPerformance. |
|  |  |
| ***Summary of change:*** | Update the description of ModelPerformance datatype and related attributes. |
|  |  |
| ***Consequences if not approved:*** | Incorrect implementation |
|  |  |
| ***Clauses affected:*** | 7.4.1.1 |
|  |  |
|  | **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:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

|  |
| --- |
| **Start of modification** |

### 7.4.1 ModelPerformance <<dataType>>

#### 7.4.1.1 Definition

This data type specifies the performance of an ML model when performing training and inference. The performance score is provided for each inference output.

#### 7.4.1.2 Attributes

Table 7.4.1.2-1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Support Qualifier | isReadable  | isWritable | isInvariant | isNotifyable |
| inferenceOutputName | M | T | T/F (NOTE) | F | T |
| performanceScore | M | T | T/F (NOTE) | F | T |
| performanceMetric | M | T | T/F (NOTE) | F | T |
| decisionConfidenceScore | O | T | F | F | T |
| NOTE: The isWritable qualifier is “T” if the attribute is used in MLTrainingRequest. The isWritable qualifier is "F" otherwise. |

#### 7.4.1.3 Attribute constraints

None.

#### 7.4.1.4 Notifications

The notifications specified for the IOC using this <<dataType>> for its attribute(s), shall be applicable.