**3GPP TSG-SA5 Meeting #158 *S5-247236d1***

Orlando, USA, 18 - 22 November 2024

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** |  | **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 | **x** | Core Network | **x** |

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| ***Title:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson India Private Limited | | | | | | | | | |
| ***Source to TSG:*** | SA5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI18 | | | | |  | ***Date:*** | | | 2024-11-04 |
|  |  | | | |  | |  | | |  |
| ***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)* | |
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| ***Reason for change:*** | | NRM Definition for MLModelCoordinationGroup states that “MLModelCoordinationGroup instance is created by the system (MnS producer) or pre-installed. The MnS consumer can request the System to delete the MLModel MOI. However the the deltion should be on the MLModelCoordinationGroup instead of MLModel MOI. To avoid scenarios where the MLModelCoordinationGroup could end up having only one mLModel per group which is contradicting to what is specified in the NRM which states that a MLModelCoordinationGroup must contain 2 models or more. | | | | | | | | |
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| ***Summary of change:*** | | Update clause 7.2a.2.2.1 replacing MLModel MOI for MLModelCoordinationGroup MOI. | | | | | | | | |
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| ***Consequences if not approved:*** | | May cause interoperability problems. | | | | | | | | |
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| ***Clauses affected:*** | | 7.2a.2.3.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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| **Start Change** |

#### ~~7.2a.2.2 MLModelRepository~~

##### ~~7.2a.2.2.1 Definition~~

~~The IOC MLModelRepository represents the repository that contains the ML models. It is name-contained by SubNetwork or ManagedElement.~~

~~This MLModelRepository instance can be created by the system (MnS producer) or pre-installed.~~

~~The MLModelRepository MOI may contain one or more MLModel(s).~~

#### 7.2a.2.3 MLModelCoordinationGroup

##### 7.2a.2.3.1 Definition

This IOC represents the group of ML models, which can be trained and tested jointly and used to perform inference in a coordinated way. It is name-contained by MLModelRepository.

This MLModelCoordinationGroup instance is created by the system (MnS producer) or pre-installed. The MnS consumer can request the System to delete the MLModelCoordinationGroup MOI.

One ML model may have dependencies on one or more of the other ML models of the same group.

One group is associated with at least two ML models.

##### 7.2a.2.3.2 Attributes

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| **End of Change** |