**3GPP TSG-SA5 Meeting #162 S5-253833**

**Goteborg, SE, 25 - 29 August 2025**

**Source: Vodafone**

**Title:** **New SID on unified management interface for multi-RAT support**

**Document for: Approval**

**Agenda Item: 5.5**

3GPP™ Work Item Description

Information on Work Items can be found at <http://www.3gpp.org/Work-Items>
See also the [3GPP Working Procedures](http://www.3gpp.org/specifications-groups/working-procedures), article 39 and the TSG Working Methods in [3GPP TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm)

Title: Unified Management interface for Multi-RAT support

Acronym: FS\_UMMR\_OAM

Unique identifier:

Potential target Release: Rel-20

# 1 Impacts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Affects: | UICC apps | ME | AN | CN | Others (specify) |
| Yes |  |  | X |  |  |
| No | X | X |  | X |  |
| Don't know |  |  |  |  | X |

# 2 Classification of the Work Item and linked work items

## 2.1 Primary classification

### This work item is a …

|  |  |
| --- | --- |
| X | Study  |
|  | Normative – Stage 1 |
|  | Normative – Stage 2 |
|   | Normative – Stage 3 |
|  | Normative – Other\* |

**\* Other = e.g. testing**

## 2.2 Parent Work Item

|  |
| --- |
| Parent Work / Study Items  |
| Acronym | Working Group | Unique ID | Title (as in 3GPP Work Plan) |
|  |  |  |  |

### 2.3 Other related Work Items and dependencies

|  |
| --- |
| Other related Work /Study Items (if any) |
| Unique ID | Title | Nature of relationship |
|  |  |  |

# 3 Justification

The analysis of current 3GPP specifications has resulted in the identification of significant challenges, particularly in relation to 4G support for implementations. In 5G, network functions are defined using YANG-based information models, whereas this approach is not applied in 4G. This difference results in inconsistencies between generations and reduces the overall coherence of the management framework.

To address these challenges, the study will first review current specifications to find gaps, inconsistencies, and redundant definitions across radio accesses, with particular focus on 4G eNodeB management. Based on this analysis, the study will establish the requirements and transition considerations for a unified multi-RAT management interface.

# 4 Objective

WT-1: Analyse and identify potential gaps and inconsistencies in management model definitions of 4G and 5G Radio Access Technologies.

WT-2: Study how to resolve inconsistencies identified in WT-1 to ensure a unified multi-RAT management interface of 4G and 5G.

NOTE: These work tasks will be executed in alignment with the 6G studies on management.

**TU estimates and dependencies**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Work Task ID** | **TU Estimate****(Study)** | **TU Estimate****(Normative)** | **RAN Dependency****(Yes/No/Maybe)**  | **SA Dependency****(Yes/No/Maybe)** | **Non-3GPP Dependency** |
| WT-1 | 4 | 1 | Y | N | Y |
| WT-2 | 2 | 1 | N | N | N |

# 5 Expected Output and Time scale

|  |
| --- |
| New specifications {One line per specification. Create/delete lines as needed} |
| Type  | TS/TR number | Title | For info at TSG#  | For approval at TSG# | Rapporteur |
| Internal TR | 28.8yz | Unified Management interface for multi-RAT support | TSG#112(June 2026) | TSG#113(September 2026) | veronica.gonzalez2@vodafone.com |

|  |
| --- |
| Impacted existing TS/TR {One line per specification. Create/delete lines as needed} |
| TS/TR No. | Description of change  | Target completion plenary# | Remarks |
|  |  |  |  |
|  |  |  |  |

# 6 Work item Rapporteur(s)

Veronica Gonzalez Contreras, veronica.gonzalez2@vodafone.com

# 7 Work item leadership

SA5

# 8 Aspects that involve other WGs

Coordination with RAN WGs will be needed.

# 9 Supporting Individual Members

|  |
| --- |
| Supporting IM name |
| Vodafone |
| Deutsche Telekom |
| Orange |
| Verizon |
| Telecom Italia |
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