**3GPP TSG-WG SA2 Meeting #164 *S2-2408457***

**Maastricht, NL, 19th – 23th Aug. 2024**

**Source: AT&T**

**Title: MSISDN verification operation support to Nnef\_UEId Service**

**Document for: Approval**

**Agenda Item: 30.2**

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: MSISDN verification operation support to Nnef\_UEId Service

Acronym: TEI19\_MVOSNS

Unique identifier :

Potential target Release: Rel-19

# 1 Impacts

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

# 2 Classification of the Work Item and linked work items

## 2.1 Primary classification

### This work item is a …

|  |  |
| --- | --- |
| X | Feature |
|  | Building Block |
|  | *Work Task* |
|  | Study Item |

## 2.2 Parent Work Item

For a brand-new topic, use “N/A” in the table below. Otherwise indicate the parent Work Item.

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

### 2.3 Other related Work Items and dependencies

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

# 3 Justification

The Nnef\_UEId Service is currently supporting MSISDN retrieval operation where the MSISDN is retrieved from the UDM and exposed to an authorized AF. There are many use cases in the industry where the operator would need to support MSISDN verification use cases in which the authorized AF is providing the MSISDN in the request and asks the operator to verify whether the UE’s MSISDN matches the AF-provided MSISDN in the request, as an alternative to the MSISDN retrieval exposure.

In order to support such a need, the Nnef\_UEId Service for MSISDN retrieval is being enhanced to allow NEF to perform verification between the MSISDN it retrieves from the UDM with the one it receives from the AF (in the request) and responds with the verification result accordingly (e.g. true/false depending on whether the two MSISDNs match or not).

# 4 Objective

The objective of this WID is to enhance the Nnef\_UEId Service with a new feature to support MSISDN verification exposure by NEF, as an alternative to the MSISDN exposure to the authorized AF.

This work will require **0.5** TU to discuss and agree the corresponding CR(s).

# 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# | Remarks |

|  |
| --- |
| **Impacted existing TS/TR** *{One line per specification. Create/delete lines as needed}* |
| TS/TR No. | Description of change  | Target completion plenary# | Remarks |
| TS 23.502 | Enhancing the Nnef\_UEId Service with a new feature to support MSISDN verification exposure by NEF | SA#106(Dec 2024) |  |

# 6 Work item Rapporteur(s)

<name>, <company> <email@email.com>

# 7 Work item leadership

SA2

# 8 Aspects that involve other WGs

None identified.

# 9 Supporting Individual Members

|  |
| --- |
| Supporting IM name |
| AT&T |
| Ericsson |
| Nokia |
| Verizon |
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