**3GPP TSG-SA5 Meeting #143-e *S5-223433***

e-meeting, 9 - 17 May 2022 (revision of xx-yyxxxx)

**Source: Ericsson**

**Title: New WID on deprecation.**

**Document for: Approval**

**Agenda Item: 6.2**

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: Deprecation

Acronym: Dep

Unique identifier:

{A number to be provided by MCC at the plenary}

Potential target Release: *Rel-18*

# 1 Impacts

{For Normative work, identify the anticipated impacts. For a Study, identify the scope of the study}

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Affects: | UICC apps | ME | AN | CN | Others (specify) |
| Yes |  |  | x | x |  |
| No | 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 | Feature |
|  | Building Block |
|  | Work Task |
|  | Study Item |

## 2.2 Parent Work Item

N/A

### 2.3 Other related Work Items and dependencies

N/A

# 3 Justification

Standards have situations where changes cannot be done in a backward compatilble mannor. In SA5, sometimes stage 2 and 3 attributes, data types or classes need to be changed in a non backwards compatible way or even removed.

A common way of solving these kinds of problems in other organisations is to use deprecation.

It is proposed to have deprecation for attributes, data types and IOCs.

The proposal is to include a deprecation mechanism that can be used in SA5 TSs.

# 4 Objective

To specify how deprecation shall be used in SA5 TSs according to the endorsed proposal in S5-222489.

The stage 2 solution shall be specified so that the already existing deprecation mechanisms in YANG RFC 7950 section 7.21.2) and YAML (JSON Schema Validation: A Vocabulary for Structural Validation of JSON section 9.3 [http://json-schema.org/draft/2019-09/json-schema-validation.html#rfc.section.9.3](http://json-schema.org/draft/2019-09/json-schema-validation.html%22%20%5Cl%20%22rfc.section.9.3%22%20%5Co%20%22http%3A//json-schema.org/draft/2019-09/json-schema-validation.html#rfc.section.9.3" \t "_blank)) can be used.

# 5 Expected Output and Time scale

|  |
| --- |
| Impacted existing TS/TR {One line per specification. Create/delete lines as needed} |
| TS/TR No. | Description of change  | Target completion plenary# | Remarks |
| 32.156 | Introduction of deprecation. | TSG SA#99 Mar. 2023 |  |
| 32.160 | Introduction of deprecation | TSG SA#99 Mar. 2023 |  |

# 6 Work item Rapporteur(s)

Lengyel, Balazs, Ericsson, balazs.lengyel@ericsson.com

# 7 Work item leadership

SA5

# 8 Aspects that involve other WGs

None.

# 9 Supporting Individual Members

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| --- |
| Supporting IM name |
| Ericsson |
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