**3GPP TSG-SA5 Meeting #142-e *S5-222491***

**e-meeting, 4 - 12 April 2022**

**Source: Ericsson**

**Title: pCR R18 28.925-030 Proposal to update 32.401 and 32.404 for SBMA**

**Document for: Approval**

**Agenda Item: 6.5.8**

# 1 Decision/action requested

*Approve the proposal.*

The information in TSs 32.401 and 32.404 are needed in SBMA.

Issues with 32.401:

Concepts and definitions in 32.401 are used in 28.552, why 32.401 is referred to in 28.552.

But they are not fully up to date for SBMA. 32.404 at least decribe that it is valid for 5G, which is not the case with 32.401.

Issues with 32.401: It is written purly for an IRP architcture, for which it is still needed. To include SBMA in 32.401 will be almost duplicationg the specification. Therefore, the options are to either make a new TS (which is preferred) or to update 28.550.

Issues with 32.404:

Concepts, definitons and the template in 32.404 are used in 28.552, why 32.404 is referred to in 28.552.

1. Some terms used are not valid in SBMA
2. Some normative references are only to IRP TSs.
3. The LCM in Annex B.5 is different than the CM LCM. It should be investigated whether it should be aligned/changed.

As the information is needed in SBMA, actions are needed to include it in SBMA.

# 2 Proposal

Proposed changes to 28.925:

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 28.533: "Management and orchestration; Architecture framework".

[3] 3GPP TS 32.101: "Telecommunication management; Principles and high level requirements".

[4] 3GPP TS 38.300: "NR; NR and NG-RAN Overall Description; Stage 2".

[5] 3GPP TS 37.340: "Evolved Universal Terrestrial Radio Access (E-UTRA) and NR; Multi-connectivity; Stage 2".

[6] ETSI GS ZSM 002: “Zero-touch network and Service Management (ZSM); Reference Architecture”.

[7] 3GPP TS 28.510: "Configuration Management (CM) for mobile networks that include virtualized network functions; Requirements".

[8] 3GPP TS 28.511: "Configuration Management (CM) for mobile networks that include virtualized network functions; Procedures".

[9] 3GPP TS 28.512: "Configuration Management (CM) for mobile networks that include virtualized network functions; Stage 2".

[10] 3GPP TS 28.513: "Configuration Management (CM) for mobile networks that include virtualized network functions; Stage 3".

[11] 3GPP TS 28.515: "Fault Management (FM) for mobile networks that include virtualized network functions; Requirements".

[12] 3GPP TS 28.516: "Fault Management (FM) for mobile networks that include virtualized network functions; Procedures".

[13] 3GPP TS 28.517: "Fault Management (FM) for mobile networks that include virtualized network functions; Stage 2".

[14] 3GPP TS 28.518: "Fault Management (FM) for mobile networks that include virtualized network functions; Stage 3".

[15] 3GPP TS 28.520: "Performance Management (PM) for mobile networks that include virtualized network functions; Requirements".

[16] 3GPP TS 28.521: "Performance Management (PM) for mobile networks that include virtualized network functions; Procedures".

[17] 3GPP TS 28.522: "Performance Management (PM) for mobile networks that include virtualized network functions; Stage 2".

[18] 3GPP TS 28.523: "Performance Management (PM) for mobile networks that include virtualized network functions; Stage 3".

[19] 3GPP TS 28.525: "Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Requirements".

[20] 3GPP TS 28.526: "Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Procedures".

[21] 3GPP TS 28.527: "Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Stage 2".

[22] 3GPP TS 28.528: "Life Cycle Management (LCM) for mobile networks that include virtualized network functions; Stage 3".

[23] 3GPP TS 28.622: "Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)".

[24] 3GPP TS 32.103: "Integration Reference Point (IRP) overview and usage guide".

[25] 3GPP TS 28.537: "Management capabilities ".

[26] 3GPP TS 32.425: "Performance measurements Evolved Universal Terrestrial Radio Access Network (E-UTRAN".

[27] 3GPP TS 28.552: "5G performance measurements".

[28] 3GPP TS 28.500, "Concepts, use cases and requirements".

[29] 3GPP TS 32.111-2: "Telecommunication management; Fault Management; Part 2: Alarm Integration Reference Point (IRP): Information Service (IS)".

[30] 3GPP TS 32.662: "Telecommunication management; Configuration Management (CM); Kernel CM Information Service (IS)".

[31] 3GPP TS 32.531: "Telecommunication management; Software management (SwM); Concepts and Integration Reference Point (IRP) Requirements".

[32] 3GPP TS 32.532: "Telecommunication management; Software management (SwM); Integration Reference Point (IRP); Information Service (IS)".

[33] 3GPP TS 32.532: "Telecommunication management; Software management (SwM); Integration Reference Point (IRP); Information Service (IS)".

[34] 3GPP TS 28.631: "Telecommunication management; Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP); Requirements".

[35] 3GPP TS 28.632: "Telecommunication management; Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)".

[36] 3GPP TS 28.633: "Telecommunication management; Inventory Management (IM) Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions".

[37] 3GPP TS 32.156 "Telecommunication management; Fixed Mobile Convergence (FMC); Model repertoire".

[x] 3GPP TS 32.401 "Telecommunication management; Performance Management (PM); Concept and requirements".

[y] 3GPP TS 32.404 "Telecommunication management; Performance Management (PM); Performance measurements; Definitions and template".

*Second change.*

## 4.x Issue #x: Use of 32.401 in SBMA

### 4.x.1 Description

Concepts and definitions in 32.401 is used in 28.552, Therefore 32.401 is referred to in 28.552.

32.401 is written for an IRP architecture, for which it is still needed. To include SBMA in 32.401 will be almost duplicating the specification.

### 4.x.2 Potential solutions

It is proposed to make

1. a new TS for Performance Management (PM);Concept and requirements or
2. to include changes into 28.550.

in a new work item in Rel-18.

*Third change.*

## 4.y Issue #x: Use of 32.404 in SBMA

### 4.y.1 Description

Major issues found:

1. Concepts, definitons and the template in 32.404 is used in 28.552, therfore 32.404 is referred to in 28.552.
2. Some terms (e.g. IRP and NE) used are not valid in SBMA
3. Some normative references are only to IRP TSs, e.g. references to 25.331 and 25.433.
4. The PM LCM in Annex B.5 is different than the CM LCM. It should be investigated whether they should be aligned/changed.

### 4.y.2 Potential solutions

It is proposed to update TS 32.404 in a new work item in Rel-18.