**3GPP TSG-SA5 Meeting #154 *S5-242080***

Changsha, China, 15 - 19 April 2024 revision of S5-241588

**Source: Ericsson**

**Title: Rel-19 pCR TR 28.871** **Don't use support IOCs in SBMA**

**Document for: Approval**

**Agenda Item: 6.4.5**

# 1 Decision/action requested

***Approve the proposal.***

# 2 References

[1] 3GPP TR 28.871 Study on Service Based Management Architecture enhancement phase 3

[2] 3GPP TS 32.156 Model répertoire

[3] 3GPP TS 28.532 Generic management services

# 3 Rationale

In SBMA data stored should be visible, readable and depending on its nature potentially writable using the CRUD operations defined in TS 28.532[3]. As a consequence the usage of support IOC as defined in TS 32.156[2] should be avoided.

The only widely used support IOC was removed from fault supervision; we should avoid introducing any new ones.

# 4 Detailed proposal

**First change**

## 5.a Support IOCs in SBMA

### 5.a.1 Description

SBMA is based on data that is visible, readable, and depending on its nature, potentially writable using the CRUD operations defined in TS 28.532[3]. Support IOCs cannot be handled by the CRUD operations.

The only reason to model data by a real or support IOC is because that data is available in the MnS producer. While it is possible to provide this information via notifications, files or to set the data via dedicated operations SBMA follows the principles:

- if the data is interesting for the consumer, it should be readable via CRUD, because the consumer might not be available when the data is produced. The consumer should be able to fetch the data on demand when the consumer needs it and when the consumer is capable of receiving it.

- it is easier for a consumer to handle a few simple CRUD operations with configuration specific data models than to implement and handle a potentially big number of different dedicated operations and access methods.

Based on the above CRUD operations should be available for modeled data. CRUD operations are available for normal IOCs but not for support IOC, hence specifying new support IOCs should be avoided.

Removing existing support IOCs (if any) is out of scope for this proposal.

### 5.a.2 Potential requirements

NA.

### 5.a.3 Potential solutions

Clarify in TS 32.156[2] that Support IOCs are not used when the MnS is designed based on a model driven approach using a NRM and CRUD operations.

**End of change**