**3GPP TSG-SA5 Meeting #148e *S5-233331***

Electronic meeting, Online, 17 -25 April 2023

**Source: Ericsson**

**Title: pCR 28.925 Issues in 28.622**

**Document for: Approval**

**Agenda Item: 6.8.1.3**

# 1 Decision/action requested

***The group is asked to discuss and approval.***

# 2 References

1. 3GPP TS 28.622: "Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Information Service (IS)
2. 3GPP TR 28.925: "Study on enhancement of service-based management architecture"

# 3 Rationale

**The current 3GPP TS 28.622 [1] has following issues**:

1. The current 3GPP TS 28.621 [1] has an IRP only title: “3rd Generation Partnership Project Technical Specification Group Services and System Aspects Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP) Information Service (IS) (Release 18)”. However, the specification is applied also for Service Based Management Architecture (SBMA). This issue is not covered in the current 3GPP TR28.925[2].
2. Section 2 References:
	1. A few references are not used. This is issue is covered in 3GPP TR28.925[2] section 4.3 issue #3.
	2. Some referred TSs are IRP only which is not applicable for SBMA architecture. This issue is not covered in the current 3GPP TR28.925[2].
3. Section 3.1 Definitions: There are definitions covering IRP architecture only. However, which definitions are applicable for IRP or SBMA or both are unclear. This issue is not covered in the current 3GPP TR28.925[2].
4. Section 4.2 Class diagrams: This section has mixed IRP and SBMA information. Some of the information are only applicable for IRP. Some are only applicable to SBMA. Some are appliable for both SBMA and IRP. The text in this section is not clear which part is applicable for which architecture. This issue is not covered in the current 3GPP TR28.925[2].
5. Section 4.3 Class definitions:
	1. This section has the same issue as “Class diagrams” section. It mixes class definitions for IPR architecture only, SBMA architecture only, or both. It is not clear which part is applicable to which architecture. This issue is not covered in the current 3GPP TR28.925[2].
	2. Some classes applicability is not clear enough. This issue is not covered in the current 3GPP TR28.925[2]. The follows are a few examples only, other classes are not list here:
		1. ‘EP\_RP’ is applicable for both IRP architecture and SBMA architecture. But it has an SBMA only attribute “supportedPerfMetricGroups”. The attribute list becomes very confused.
		2. Another example is that ‘ThresholdMonitor’ is defined for SBMA architecture. But the text does not make it clear if it is (or not) also appliable for IRP architecture.
6. Section 4.4 Attribute definitions: This section has the same issue as “Class diagrams” section. It contains mixed information for IPR only, SBMA only, or both. It is not clear which part is applicable to which architecture. One example is in above bullet F.b. This issue is not covered in the current 3GPP TR28.925[2].
7. Section 4.5 Common notifications: The description text is applicable for SBMA only. However, the notifications shall be applicable for both IRP and SBMA architecture. This issue is not covered in the current 3GPP TR28.925[2].

**The proposed alternative solutions to address the above issues in TS28.622[1] are following:**

1. Keep both IRP and SBMA information service in TS28.622[1]. and adding enough clarifications
2. Create a new TS for SBMA information service only and maintain TS28.622[1] for IRP information service only.
3. Create a new TS for SBMA information service only and keep TS28.622[1] as is (with a note that any SBMA related updates will be continued in the new TS after R18)

# 4 Detailed proposals

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| **1st Change** |

## 4. Issue investigations and potential issue solutions

## 4.x Issue #x: Scope of TS28.622[z] Specification

### 4.x.1 Description

**The current 3GPP TS 28.622 [z1] has following issues**:

1. The current 3GPP TS 28.621 [z1] has an IRP only title: “3rd Generation Partnership Project Technical Specification Group Services and System Aspects Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP) Information Service (IS) (Release 18)”. However, the specification is applied also for Service Based Management Architecture (SBMA).
2. Section 2 References:
	1. A few references are not used. This is issue is covered in section 4.3 issue #3.
	2. Some referred TSs are IRP only which is not applicable for SBMA architecture. E.g. some companies interpret the reference to 32.101 [3] that it is applicable to SBMA.
3. Section 3.1 Definitions: There are definitions covering IRP architecture only. However, which definitions are applicable for IRP or SBMA or both are unclear.
4. Section 4.2 Class diagrams: This section has mixed IRP and SBMA information. Some of the information are only applicable for IRP. Some are only applicable to SBMA. Some are appliable for both SBMA and IRP. The text in this section is not clear which part is applicable for which architecture.
5. Section 4.3 Class definitions:
	1. This section has the same issue as “Class diagrams” section. It mixes class definitions for IPR architecture only, SBMA architecture only, or both. It is not clear which part is applicable to which architecture.
	2. Some classes applicability is not clear enough. The follows are a few examples only, other classes are not list here:
		1. ‘EP\_RP’ is applicable for both IRP architecture and SBMA architecture. But it has an SBMA only attribute “supportedPerfMetricGroups”. The attribute list becomes very confused.
		2. Another example is that ‘ThresholdMonitor’ is defined for SBMA architecture. But the text does not make it clear if it is (or not) also appliable for IRP architecture.
6. Section 4.4 Attribute definitions: This section has the same issue as “Class diagrams” section. It contains mixed information for IPR only, SBMA only, or both. It is not clear which part is applicable to which architecture. One example is in above bullet F.b.
7. Section 4.5 Common notifications: The description text is applicable for SBMA only. However, the notifications shall be applicable for both IRP and SBMA architecture.

### 4.x.2 Potentiel solutions

#### 4.x.2.1 Solution #x-1 update TS28.622[z1]

Update the current TS28.622[z1] with enough clarifications to cover both IRP and SBMA architecture NRM.

#### 4.x.2.2 Solution #x-2 New TS - 1

Create a new TS for SBMA information service only and maintain TS28.622[z1] for IRP information service only.

#### 4.x.2.3 Solution #x-3 New TS - 2

Create a new TS for SBMA information service only and keep TS28.622[z1] as is (with a note that any SBMA related updates will be continued in the new TS after R18.

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| **End of Change** |