**3GPP TSG SA WG5 Meeting #141e S5-221285**

**Online, , 15 Nov 2021- 24 Nov 2021**

**Source: Samsung**

**Title: pCR 28.538 ECS Performance assurance**

**Document for: Approval**

**Agenda Item: 6.4.18**

# 1 Decision/action requested

***The group is asked to discuss and approve the proposals.***

# 2 References

None

# 3 Rationale

This contribution provides ECS performance assurance procedures.

# 4 Detailed proposal

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| **First modification** |

### 5.2.x ECS performance assurance

The goal of this use case is to provide a mechanism for ECS performance assurance. ECS performance can be based on various functionalities defined for ECS in (see clause 6.3.4 of [2]). The measurement/KPI should be defined for each functionality, that can be collected as and when required.

A consumer, such as ECSP Management system, would consume performance assurance MnS to request the PLMN management system to collect ECS KPIs and measurements. The performance assurance MnS producer at PLMN management system will report the measurements to the consumer.

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| **Second modification** |

### 5.2.4 Requirements

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| **Requirement label** | **Description** | **Related use case(s)** |
| **REQ-EAS-PA-FUN-1** | Performance assurance MnS producer should have a capability allowing an authorized consumer to request the collection of EAS KPIs and measurements. | EAS performance assurance |
| **REQ-EAS-PA-FUN-2** | Performance assurance MnS producer should have a capability to report EAS KPIs and measurements to authorized consumer(s). | EAS performance assurance |
| **REQ-5GCNF-PA-FUN-1** | Performance assurance MnS producer should have a capability allowing an authorized consumer to request the collection of 5GC NF(s) (e.g., UPF, PCF, …) measurements that may affect the EAS performance. | 5GC NF measurements to evaluate EAS performance |
| **REQ-EAS-5GCNF -FUN-2** | Performance assurance MnS producer should have a capability allowing the selection of specific 5GC NF(s) (e.g., UPF, PCF, …) measurements to be reported to authorized consumer(s). | 5GC NF measurements to evaluate EAS performance |
| **REQ-ECS-PA-FUN-2** | Performance assurance MnS producer should have a capability to report ECS KPIs and measurements to authorized consumer(s). | ECS performance assurance |

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| **Next modification** |

### 7.2.X ECS performance assurance

#### 7.2.X.1 Measurement collection via performance job control

The mechanism used for collecting EAS measurements, as defined in 7.2.2.1, via performance job control are used for collecting ECS measurements too. ECSP consumer can request ECSP management system for collecting ECS measurements using measurement job control MnS with createMeasurementJob operation (see TS 28.550 [8]). The measurements are delivered to the consumer either using File data reporting service or Streaming data reporting service as defined in [5].

#### 7.2.x.2 Measurement collection via configurable measurement control

The mechanism used for collecting EAS measurements, as defined in 7.2.2.2, via configurable measurement control are used for collecting ECS measurements too. ECSP consumer can request ECSP management system for collecting ECS measurements using createMOI operation for PerfMetricJob IOC [4]. The measurements are delivered to the consumer either using File data reporting service or Streaming data reporting service as defined in [5].