**3GPP TSG SA WG5 Meeting #141e S5-221283**

**Online, , 17 Jan 2021- 26 Jan 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

|  |
| --- |
| **First modification** |

## 8.2 Performance Assurance

### 8.2.x ECS performance assurance

#### 8.2.x.1 MnS component type A

Table 8.2.1.1-1: ECS performance assurance type A

|  |  |
| --- | --- |
| MnS Component Type A | Note |
| Operations and notifications defined in clause 11.1.1.1 of TS 28.532 [5]:  - createMOI operation | It is supported by Provisioning MnS to create PerfMetricJob IOC, as defined in TS 28.531 [9]. |
| Operations defined in clause 11.5 and 11.6 in TS 28.532 [3] and clause 6.1 of TS 28.550 [8]:  - createMeasurementJob  - stopMeasurementJob  - listMeasurementJobs  - establishStreamingConnection  - notifyFileReady notification  - reportStreamData operation | It is supported by Performance Assurance MnS for ECS, as defined in TS 28.550 [8]. |

#### 8.2.x.2 MnS Component Type C definition

Performance measurements related ECS are captured in Table 8.2.1.2.-1:

Table 8.2.1.2-1. ECS related performance measurements

| Performance measurements | Description | Related targets |
| --- | --- | --- |
| Mean virtual CPU usage | Includes the mean usage of the underlying virtualized CPUs for a virtualized 3GPP NF (see clause 5.7.1.1.1 in TS 28.552 [10]). |  |
| Mean virtual memory usage | Includes the mean usage of the underlying virtualized memories for a virtualized 3GPP NF (see clause 5.7.1.2.1 in TS 28.552 [10]). |  |
| Mean virtual disk usage | Includes the mean usage of the underlying virtualized disks for a virtualized 3GPP NF (see clause 5.7.1.3.1 in TS 28.552 [10]). |  |
| EES Registration | Includes the total, mean and successful number of EES Registration request processed by ECS (see clause 5.X.1 in TS 28.552 [10]). |  |
| Service Provisioning | Includes the total, mean and successful number of service provisioning request processed by ECS (see clause 5.X.1 in TS 28.552 [10]). |  |