**3GPP TSG-SA5 Meeting #142-e *S5-222345rev1***

**e-meeting, 04 - 12 Apr. 2022**

**Source: CMCC, Lenovo, Motorola Mobility,**

**Title: pCR - 28.819 Solution of test orchestration**

**Document for: Approval,**

**Agenda Item: 6.5.14**

# 1 Decision/action requested

***Please approve***

# 2 References

[1] 3GPP SA5 TR 28.819 v0.5.0（2022-02）: " Technical Specification Group Services and System Aspects; Management and Orchestration; Study on continuous integration continuous delivery support for 3GPP NFs”

# 3 Rationale

*Add the possible solution for test orchestration.*

# 4 Detailed proposal

Start of changes

## 6.7 Test orchestration

### 6.7.1 Description

After the NFs are delivered, there may be mulitiple kinds of test cases (functional testing, performance testing and so on) that need to be conducted. The network operator may need to construct test tasks, determine the execution order of test cases, allocate and reseve resources to support testing based on test types and requirements.

### 6.7.2 Potential Requirements

**REQ-CICD\_TO-FUN-1**: The 3GPP Management system should have the ability to provide network resource status and relevant information to CICD related systems for assisting test orchestration.

### 6.7.3 Possible Solutions

#### 6.7.3.1 Alternate 1

An authorized entity (e.g. the CI-CD testing system) requests the 3GPP management system to provide network resource status and relevant information. Using the provisioning management service, Performance assurance or other MnSs (in TS 28.532), the 3GPP management system provides the information about, for example, target entities (e.g. the NF under operational tests) resource status (e.g. traffic load) to CICD related systems. The CI-CD testing system can use this information to decide the preferred order of tests to the 3GPP management system for operational testing.

End of changes