**3GPP TSG-SA5 Meeting #141-e *S5-* *221370***

**e-meeting, 17 - 26 Jan. 2022**

**Source: CMCC**

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

**Document for: Approval,**

**Agenda Item: 6.5.3**

# 1 Decision/action requested

***Please approve***

# 2 References

[1] 3GPP SA5 TR 28.819 v0.4.0（2021-11）: " 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 have mulitiple kinds of test cases (functional testing, performance testing and so on) to be conducted, the network operator will 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 external CICD related systems for assisting test orchestration.

### 6.7.3 Possible Solutions

#### 6.7.3.1 Alternate 1

In order to assist test orchestration (e.g. test cases grouping to construct test task, and making the execution order of them), the 3GPP management system should provide network resource status information, including network slice status (active or deactive), traffic load of the existing NF. The 3GPP Management system can provide these information through existing notification mechanism, a new management service may be needed if current mechanism can not satisfy all the requirements.

End of changes