**3GPP TSG-CT3 Meeting #132eC3-240045**

**e-meeting, 22nd** **– 24th November 2023**

**Source: Nokia, Nokia Shanghai Bell**

**Title: Pseudo-CR on defining the service description clauses of the NSCE**\_**NSDiagnostics API**

**Spec: 3GPP TS 29.435 V 0.1.1**

**Agenda item: 18.49 (NSCALE)**

**Document for: Agreement**

**1. Introduction**

As specified in clause 9.14 of TS 23.435, the NSCE\_NSDiagnostics Service API was defined in order to support the functionality of receiving Network Slice Diagnostics for specified events by the VAL server.

The stage 3 definition of this API in this specification needs hence to be started.

**2. Reason for Change**

Update the definition of the service description clauses of the new NSCE\_NSDiagnostics Service API in the new TS 29.435.

**3. Conclusions**

N/A

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 29.435 V 0.1.1.

\* \* \* \* Start of changes \* \* \* \*

## 5.15 Network Slice Diagnostics

### 5.15.1 Service Description

The NSCE\_NSDiagnostics service exposed by the NSCE Server enables a service consumer to:

- request network slice diagnostics information.

### 5.15.2 Service Operations

#### 5.15.2.1 Introduction

The service operations defined for NSCE\_NSDiagnostics service is shown in the table 5.15.2.1-1.

Table 5.15.2.1-1: NSCE\_NSDiagnostics API Service Operations

|  |  |  |
| --- | --- | --- |
| Service operation name | Description | Initiated by |
| NSCE\_NSDiagnostics\_Request | This service operation is used by a service consumer to request network slice diagnostics from the NSCE Server. | e.g., VAL Server |

#### 5.15.2.2 NSCE\_NSDiagnostics\_Request

##### 5.15.2.2.1 General

This service operation is used by a service consumer to request network slice diagnostics from the NSCE Server.

The following procedures are supported by the "NSCE\_NSDiagnostics\_Request" service operation:

- Network Slice Diagnostics Request.

##### 5.15.2.2.2 Network Slice Diagnostics Request

Figure 5.15.1.2.2.2-1 depicts a scenario where a service consumer sends a request to the NSCE Server to request the network slice diagnostics (see also clause 9.14 of 3GPP°TS°23.435°[14]).



Figure 5.15.2.2.2-1: Procedure for Network Slice Diagnostics Request

1. In order to request network slice diagnostics, the service consumer shall send an HTTP POST request (i.e., custom operation "Request") to the NSCE Server, with the request body containing the NwSliceDiagReq data structure.

2a. Upon success, the NSCE Server shall respond with an HTTP "200 OK" status code with the response body containing the requested network slice diagnostics within the NwSliceDiagRep data structure.

2b. On failure, the appropriate HTTP status code indicating the error shall be returned and appropriate additional error information should be returned in the HTTP POST response body, as specified in clause 6.14.7.

\* \* \* \* End of changes \* \* \* \*