**3GPP TSG-CT3 Meeting #142 C3-253389**

**Gothenburg, SE, 25 - 29 August, 2025**

**Source: Samsung**

**Title: Pseudo-CR on SS\_SmDiscovery API service operation description**

**Spec: 3GPP TS 29.437 (v1.0.0)**

**Agenda item: 19.42**

**Document for: Approval**

**1. Introduction**

This pCR proposes the service operation description for SS\_SmDiscovery service API.

**2. Reason for Change**

The SS\_SmDiscovery API is specified in TS 23.437, for VAL server or SEAL SM client to discover spatial maps based on query parameters. The service operations descriptions of this API needs to be implemented in TS 29.437.

Note 1: The approval of this pCR depends on the agreement of the related API data model pCR for SS\_SmDiscovery API.

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 29.437 v1.0.0

\* \* \* First Change \* \* \* \*

### 5.2.X SS\_SmDiscovery API

#### 5.2.X.1 Service Description

The SS\_SmDiscovery service exposed by the SEAL SM Server enables a service consumer to:

- discover spatial maps

- discover SMAS.

#### 5.2.X.2 Service Operations

##### 5.2.X.2.1 Introduction

The service operation defined for the SS\_SmDiscovery API are shown in the table 5.2.X.2.1-1.

Table 5.2.X.2.1-1: Operations of the SS\_SmDiscovery API

|  |  |  |
| --- | --- | --- |
| Service operation name | Description | Initiated by |
| SS\_SmDiscovery\_Request | This service operation enables a service consumer to discover spatial maps or SMAS from the SEAL SM Server. | e.g., VAL Server |

##### 5.2.X.2.2 SS\_SmDiscovery\_Request

5.2.X.2.2.1 General

This service operation is used by a service consumer to request the discovery of the spatial maps or SMAS from the SEAL SM Server.

The following procedures are supported by the "SS\_SmDiscovery\_Request" service operation:

- Spatial Maps or SMAS Discovery.

5.2.X.2.2.2 Spatial Maps or SMAS Discovery

Figure 5.2.X.2.2.2-1 depicts a scenario where a service consumer sends a request to the SEAL SM Server to request the discovery of the spatial maps or SMAS from the SEAL SM Server (see also clause 9.3 of 3GPP°TS°23.437°[13]).



Figure 5.2.X.2.2.2-1: Procedure for Spatial Maps Discovery

1. In order to discover the spatial maps information, the service consumer shall send an HTTP GET request to the SEAL SM Server targeting the URI of the "Spatial Maps" collection resource, with the request URI query parameters including the filter criteria to discover the matching spatial map and SMAS information.

2a. Upon success, the SEAL SM Server shall respond with an HTTP "200 OK" status code with the response body containing spatial map and SMAS information within the SpatialMapsDiscResp 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 GET response body, as specified in clause 6.1.X.7.

\* \* \* End of Changes \* \* \* \*