**3GPP TSG CT WG3 Meeting #142 *C3-253533***

**Goteborg, SE, 25th – 29th August, 2025 was C3-253329**

**Source: Huawei, Samsung**

**Title: Pseudo-CR on defining the API definition clauses of the SS\_SmSmasRegistration API**

**Spec: 3GPP TS 29.437 (V1.0.0)**

**Agenda item: 19.42 (Metaverse\_App)**

**Document for: Agreement**

**1. Introduction**

The stage 2 requirements for the new SS\_SmSmasRegistration API have been defined in clauses 9.6 and 9.7.7 of TS 23.437.

**2. Reason for Change**

Define the API definition clauses of this new API in the corresponding new Metaverse applications Services TS 29.437.

**3. Conclusions**

N/A

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 29.437 V 1.0.0.

\* \* \* \* Start of Changes \* \* \* \*

### 6.2.5 SS\_SmSmasRegistration Service API

#### 6.2.5.1 Introduction

The SS\_SmSmasRegistration service shall use the SS\_SmSmasRegistration API.

The API URI of the SS\_SmSmasRegistration Service API shall be:

**{apiRoot}/<apiName>/<apiVersion>**

The request URIs used in HTTP requests shall have the Resource URI structure defined in clause 6.5 of 3GPP TS 29.549 [17], i.e.:

**{apiRoot}/<apiName>/<apiVersion>/<apiSpecificSuffixes>**

with the following components:

- The {apiRoot} shall be set as described in clause 6.5 of 3GPP TS 29.549 [17].

- The <apiName>shall be "ssm-smasr".

- The <apiVersion> shall be "v1".

- The <apiSpecificSuffixes> shall be set as defined in clauses 6.2.5.3 and 6.2.5.4.

NOTE: When 3GPP TS 29.122 [2] is referenced for the common protocol and interface aspects for API definition in the clauses under clause 6.2.5, the SM Server takes the role of the SCEF and the service consumer takes the role of the SCS/AS.

#### 6.2.5.2 Usage of HTTP

The provisions of clause 6.3 of 3GPP TS 29.549 [17] shall apply for the SS\_SmSmasRegistration API.

#### 6.2.5.3 Resources

##### 6.2.5.3.1 Overview

This clause describes the structure for the Resource URIs and the resources and methods used for the service.

Figure 6.2.5.3.1-1 depicts the resource URIs structure for the SS\_SmSmasRegistration API.



Figure 6.2.5.3.1-1: Resource URIs structure of the SS\_SmSmasRegistration API

Table 6.2.5.3.1-1 provides an overview of the resources and applicable HTTP methods for the SS\_SmSmasRegistration API.

Table 6.2.5.3.1-1: Resources and methods overview

|  |  |  |  |
| --- | --- | --- | --- |
| Resource name | Resource URI | HTTP method or custom operation | Description |
| SMAS Registrations | /registrations | POST | Request the creation of a SMAS Registration. |
| Individual SMAS Registration | /registrations/{regId} | GET | Retrieve an existing "Individual SMAS Registration" resource. |
| PUT | Request the update of an existing "Individual SMAS Registration" resource. |
| PATCH | Request the modification of an existing "Individual SMAS Registration" resource. |
| DELETE | Request the deletion of an existing "Individual SMAS Registration" resource. |

##### 6.2.5.3.2 Resource: SMAS Registrations

###### 6.2.5.3.2.1 Description

This resource represents the collection of SM SMAS Registration(s) managed by the SM Server.

###### 6.2.5.3.2.2 Resource Definition

Resource URI: **{apiRoot}/ssm-smasr/<apiVersion>/registrations**

This resource shall support the resource URI variables defined in table 6.2.5.3.2.2-1.

Table 6.2.5.3.2.2-1: Resource URI variables for this resource

|  |  |  |
| --- | --- | --- |
| Name | Data type | Definition |
| apiRoot | string | See clause 6.2.5.1. |

###### 6.2.5.3.2.3 Resource Standard Methods

6.2.5.3.2.3.1 POST

The HTTP POST method allows a service consumer to request the creation of a SMAS Registration at the SM Server.

This method shall support the URI query parameters specified in table 6.2.5.3.2.3.1-1.

Table 6.2.5.3.2.3.1-1: URI query parameters supported by the POST method on this resource

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description | Applicability |
| n/a |  |  |  |  |  |

This method shall support the request data structures specified in table 6.2.5.3.2.3.1-2 and the response data structures and response codes specified in table 6.2.5.3.2.3.1-3.

Table 6.2.5.3.2.3.1-2: Data structures supported by the POST Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| SMASReg | M | 1 | Represents the parameters to request the creation of a SMAS Registration. |

Table 6.2.5.3.2.3.1-3: Data structures supported by the POST Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| SMASReg | M | 1 | 201 Created | Successful case. The SMAS Registration is successfully created and a representation of the created "Individual SMAS Registration" resource shall be returned.An HTTP "Location" header that contains the URI of the created resource shall also be included. |
| NOTE: The mandatory HTTP error status codes for the HTTP POST method listed in table 5.2.6-1 of 3GPP TS 29.122 [2] shall also apply. |

Table 6.2.5.3.2.3.1-4: Headers supported by the 201 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains the URI of the newly created resource, according to the structure:{apiRoot}/ssm-smasr/<apiVersion>/registrations/{regId} |

###### 6.2.5.3.2.4 Resource Custom Operations

There are no resource custom operations defined for this resource in this release of the specification.

##### 6.2.5.3.3 Resource: Individual SMAS Registration

###### 6.2.5.3.3.1 Description

This resource represents an "Individual SM SMAS Registration" resource managed by the SM Server.

###### 6.2.5.3.3.2 Resource Definition

Resource URI: **{apiRoot}/ssm-smasr/<apiVersion>/registrations/{regId}**

This resource shall support the resource URI variables defined in table 6.2.5.3.3.2-1.

Table 6.2.5.3.3.2-1: Resource URI variables for this resource

|  |  |  |
| --- | --- | --- |
| Name | Data type | Definition |
| apiRoot | string | See clause 6.2.5.1. |
| regId | string | Represents the identifier of the "Individual SMAS Registration" resource. |

###### 6.2.5.3.3.3 Resource Standard Methods

6.2.5.3.3.3.1 GET

The HTTP GET method allows a service consumer to retrieve an existing "Individual SMAS Registration" resource at the SM Server.

This method shall support the URI query parameters specified in table 6.2.5.3.3.3.1-1.

Table 6.2.5.3.3.3.1-1: URI query parameters supported by the GET method on this resource

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description | Applicability |
| n/a |  |  |  |  |  |

This method shall support the request data structures specified in table 6.2.5.3.3.3.1-2 and the response data structures and response codes specified in table 6.2.5.3.3.3.1-3.

Table 6.2.5.3.3.3.1-2: Data structures supported by the GET Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| n/a |  |  |  |

Table 6.2.5.3.3.3.1-3: Data structures supported by the GET Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| SMASReg | M | 1 | 200 OK | Successful case. The requested "Individual SMAS Registration" resource shall be returned. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection.The response shall include a Location header field containing an alternative URI of the resource located in an alternative SM Server.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection.The response shall include a Location header field containing an alternative URI of the resource located in an alternative SM Server.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2]. |
| NOTE: The mandatory HTTP error status codes for the HTTP GET method listed in table 5.2.6-1 of 3GPP TS 29.122 [2] shall also apply. |

Table 6.2.5.3.3.3.1-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative URI of the resource located in an alternative SM Server. |

Table 6.2.5.3.3.3.1-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative URI of the resource located in an alternative SM Server. |

6.2.5.3.3.3.2 PUT

The HTTP PUT method allows a service consumer to request the update of an existing "Individual SMAS Registration" resource at the SM Server.

This method shall support the URI query parameters specified in table 6.2.5.3.3.3.2-1.

Table 6.2.5.3.3.3.2-1: URI query parameters supported by the PUT method on this resource

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description | Applicability |
| n/a |  |  |  |  |  |

This method shall support the request data structures specified in table 6.2.5.3.3.3.2-2 and the response data structures and response codes specified in table 6.2.5.3.3.3.2-3.

Table 6.2.5.3.3.3.2-2: Data structures supported by the PUT Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| SMASReg | M | 1 | Represents the updated representation of the "Individual SMAS Registration" resource. |

Table 6.2.5.3.3.3.2-3: Data structures supported by the PUT Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| SMASReg | M | 1 | 200 OK | Successful case. The "Individual SMAS Registration" resource is successfully updated and a representation of the updated resource shall be returned in the response body. |
| n/a |  |  | 204 No Content | Successful case. The "Individual SMAS Registration" resource is successfully updated and no content is returned in the response body. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection.The response shall include a Location header field containing an alternative URI of the resource located in an alternative SM Server.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection.The response shall include a Location header field containing an alternative URI of the resource located in an alternative SM Server.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2]. |
| NOTE: The mandatory HTTP error status codes for the HTTP PUT method listed in table 5.2.6-1 of 3GPP TS 29.122 [2] shall also apply. |

Table 6.2.5.3.3.3.2-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative URI of the resource located in an alternative SM Server. |

Table 6.2.5.3.3.3.2-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative URI of the resource located in an alternative SM Server. |

6.2.5.3.3.3.3 PATCH

The HTTP PATCH method allows a service consumer to request the modification of an existing "Individual SMAS Registration" resource at the SM Server.

This method shall support the URI query parameters specified in table 6.2.5.3.3.3.3-1.

Table 6.2.5.3.3.3.3-1: URI query parameters supported by the PATCH method on this resource

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description | Applicability |
| n/a |  |  |  |  |  |

This method shall support the request data structures specified in table 6.2.5.3.3.3.3-2 and the response data structures and response codes specified in table 6.2.5.3.3.3.3-3.

Table 6.2.5.3.3.3.3-2: Data structures supported by the PATCH Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| SMASRegPatch | M | 1 | Represents the parameters to request the modification of the "Individual SMAS Registration" resource. |

Table 6.2.5.3.3.3.3-3: Data structures supported by the PATCH Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| SMASReg | M | 1 | 200 OK | Successful case. The "Individual SMAS Registration" resource is successfully modified and a representation of the updated resource shall be returned in the response body. |
| n/a |  |  | 204 No Content | Successful case. The "Individual SMAS Registration" resource is successfully modified and no content is returned in the response body. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection.The response shall include a Location header field containing an alternative URI of the resource located in an alternative SM Server.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection.The response shall include a Location header field containing an alternative URI of the resource located in an alternative SM Server.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2]. |
| NOTE: The mandatory HTTP error status codes for the HTTP PATCH method listed in table 5.2.6-1 of 3GPP TS 29.122 [2] shall also apply. |

Table 6.2.5.3.3.3.3-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative URI of the resource located in an alternative SM Server. |

Table 6.2.5.3.3.3.3-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative URI of the resource located in an alternative SM Server. |

6.2.5.3.3.3.4 DELETE

The HTTP DELETE method allows a service consumer to request the deletion of an existing "Individual SMAS Registration" resource at the SM Server.

This method shall support the URI query parameters specified in table 6.2.5.3.3.3.4-1.

Table 6.2.5.3.3.3.4-1: URI query parameters supported by the DELETE method on this resource

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description | Applicability |
| n/a |  |  |  |  |  |

This method shall support the request data structures specified in table 6.2.5.3.3.3.4-2 and the response data structures and response codes specified in table 6.2.5.3.3.3.4-3.

Table 6.2.5.3.3.3.4-2: Data structures supported by the DELETE Request Body on this resource

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | P | Cardinality | Description |
| n/a |  |  |  |

Table 6.2.5.3.3.3.4-3: Data structures supported by the DELETE Response Body on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data type | P | Cardinality | Responsecodes | Description |
| n/a |  |  | 204 No Content | Successful case. The "Individual SMAS Registration" resource is successfully deleted. |
| n/a |  |  | 307 Temporary Redirect | Temporary redirection.The response shall include a Location header field containing an alternative URI of the resource located in an alternative SM Server.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2]. |
| n/a |  |  | 308 Permanent Redirect | Permanent redirection.The response shall include a Location header field containing an alternative URI of the resource located in an alternative SM Server.Redirection handling is described in clause 5.2.10 of 3GPP TS 29.122 [2]. |
| NOTE: The mandatory HTTP error status codes for the HTTP DELETE method listed in table 5.2.6-1 of 3GPP TS 29.122 [2] shall also apply. |

Table 6.2.5.3.3.3.4-4: Headers supported by the 307 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative URI of the resource located in an alternative SM Server. |

Table 6.2.5.3.3.3.4-5: Headers supported by the 308 Response Code on this resource

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Data type | P | Cardinality | Description |
| Location | string | M | 1 | Contains an alternative URI of the resource located in an alternative SM Server. |

###### 6.2.5.3.3.4 Resource Custom Operations

There are no resource custom operations defined for this resource in this release of the specification.

#### 6.2.5.4 Custom Operations without associated resources

There are no custom operations without associated resources defined for this API in this release of the specification.

#### 6.2.5.5 Notifications

There are no notifications defined for this API in this release of the specification.

#### 6.2.5.6 Data Model

##### 6.2.5.6.1 General

This clause specifies the application data model supported by the API.

Table 6.2.5.6.1-1 specifies the data types defined for the SS\_SmSmasRegistration API.

Table 6.2.5.6.1-1: SS\_SmSmasRegistration API specific Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Clause defined | Description | Applicability |
| SMASInfo | 6.2.5.6.2.5 | Represents the SMAS information. |  |
| SMASProfile | 6.2.5.6.2.4 | Represents the SMAS Profile. |  |
| SMASReg | 6.2.5.6.2.2 | Represents a SMAS Registration. |  |
| SMASRegPatch | 6.2.5.6.2.3 | Represents the parameters to request the modification of a SMAS Registration. |  |
| SpatialMapInfo | 6.2.5.6.2.6 | Represents the spatial map related information. |  |

Table 6.2.5.6.1-2 specifies data types re-used by the SS\_SmSmasRegistration API from other specifications, including a reference to their respective specifications, and when needed, a short description of their use within the SS\_SmSmasRegistration API.

Table 6.2.5.6.1-2: SS\_SmSmasRegistration API re-used Data Types

|  |  |  |  |
| --- | --- | --- | --- |
| Data type | Reference | Comments | Applicability |
| EndPoint | 3GPP TS 29.558 [18] | Represents endpoint related information. |  |
| DateTime | 3GPP TS 29.122 [2] | Represents a date and a time. |  |
| DateTimeRm | 3GPP TS 29.122 [2] | Represents the same as the DateTime data type but with the OpenAPI "nullable" property set to "true". |  |
| ServiceArea | 3GPP TS 29.558 [18] | Represents service area information. |  |
| SpatialMapId | Clause 6.2.1.6.3.2 | Represents the spatial map identifier. |  |
| SupportedFeatures | 3GPP TS 29.571 [15] | Represents the list of supported feature(s) and used to negotiate the applicability of the optional features. |  |
| TimeReqs | 3GPP TS 29.549 [17] | Represents time related requirements. |  |

##### 6.2.5.6.2 Structured data types

###### 6.2.5.6.2.1 Introduction

This clause defines the data structures to be used in resource representations.

###### 6.2.5.6.2.2 Type: SMASReg

Table 6.2.5.6.2.2-1: Definition of type SMASReg

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| profile | SMASProfile | M | 1 | Contains the SMAS Profile. |  |
| expTime | DateTime | O | 0..1 | Contains the expiration time of the SMAS Registration.- When present in a SMAS Registration creation or update (using the HTTP PUT method) request, it indicates the expiration time proposed by the service consumer for the SMAS Registration.- When present in a SMAS Registration creation or update/modification response, it indicates the expiration time granted by the SM Server for the SMAS Registration.If this attribute is absent, this means that the SMAS Registration shall not expire until explicitly deleted by the service consumer. |  |
| suppFeat | SupportedFeatures | C | 0..1 | Contains the list of supported feature(s) among the ones defined in clause 6.2.5.8.This attribute shall be present only when feature negotiation is required. |  |

###### 6.2.5.6.2.3 Type: SMASRegPatch

Table 6.2.5.6.2.3-1: Definition of type SMASRegPatch

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| profile | SMASProfile | O | 0..1 | Contains the updated SMAS Profile. |  |
| expTime | DateTimeRm | O | 0..1 | Contains the expiration time proposed by the service consumer for the SMAS Registration. |  |

###### 6.2.5.6.2.4 Type: SMASProfile

Table 6.2.5.6.2.4-1: Definition of type SMASProfile

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| smasInfoSets | array(SMASInfo) | M | 1..N | Contains the SMAS information. |  |
| spatMapInfoList | array(SpatialMapInfo) | M | 1..N | Contains information about the spatial map(s) available at the SM Service. |  |

###### 6.2.5.6.2.5 Type: SMASInfo

Table 6.2.5.6.2.5-1: Definition of type SMASInfo

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| endpoint | EndPoint | C | 0..1 | Contains the endpoint information used to communicate with the SM Service. |  |
| availPeriod | TimeReqs | C | 0..1 | Contains the time period(s) during which the SM Service can be accessed. |  |
| availLoc | ServiceArea | C | 0..1 | Contains the location area within which the SM Service can be accessed. |  |
| NOTE: At least one of these attributes shall be present. |

###### 6.2.5.6.2.6 Type: SpatialMapInfo

Table 6.2.5.6.2.6-1: Definition of type SpatialMapInfo

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute name | Data type | P | Cardinality | Description | Applicability |
| mapId | SpatialMapId | M | 1 | Contains the identifier of the spatial map. |  |
| covArea | ServiceArea | M | 1 | Contains the coverage area of the spatial map. |  |

##### 6.2.5.6.3 Simple data types and enumerations

###### 6.2.5.6.3.1 Introduction

This clause defines simple data types and enumerations that can be referenced from data structures defined in the previous clauses.

###### 6.2.5.6.3.2 Simple data types

The simple data types defined in table 6.2.5.6.3.2-1 shall be supported.

Table 6.2.5.6.3.2-1: Simple data types

|  |  |  |  |
| --- | --- | --- | --- |
| Type Name | Type Definition | Description | Applicability |
|  |  |  |  |

##### 6.2.5.6.4 Data types describing alternative data types or combinations of data types

There are no data types describing alternative data types or combinations of data types defined for this API in this release of the specification.

##### 6.2.5.6.5 Binary data

###### 6.2.5.6.5.1 Binary Data Types

Table 6.2.5.6.5.1-1: Binary Data Types

|  |  |  |
| --- | --- | --- |
| Name | Clause defined | Content type |
|  |  |  |

#### 6.2.5.7 Error Handling

##### 6.2.5.7.1 General

For the SS\_SmSmasRegistration API, error handling shall be supported as specified in clause 6.7 of 3GPP TS 29.549 [17].

In addition, the requirements in the following clauses are applicable for the SS\_SmSmasRegistration API.

##### 6.2.5.7.2 Protocol Errors

No specific protocol errors for the SS\_SmSmasRegistration API are specified.

##### 6.2.5.7.3 Application Errors

The application errors defined for the SS\_SmSmasRegistration API are listed in Table 6.2.5.7.3-1.

Table 6.2.5.7.3-1: Application errors

|  |  |  |  |
| --- | --- | --- | --- |
| Application Error | HTTP status code | Description | Applicability |
|  |  |  |  |

#### 6.2.5.8 Feature negotiation

The optional features listed in table 6.2.5.8-1 are defined for the SS\_SmSmasRegistration API. They shall be negotiated using the extensibility mechanism defined in clause 6.8 of 3GPP TS 29.549 [17].

Table 6.2.5.8-1: Supported Features

|  |  |  |
| --- | --- | --- |
| Feature number | Feature Name | Description |
|  |  |  |

#### 6.2.5.9 Security

The provisions of clause 9 of 3GPP TS 29.549 [17] shall apply for the SS\_SmSmasRegistration API.

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