



Nausf SoRProtection

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OpenAPI

OpenAPI Version: 3.0.0

Info

Version: 1.0.0
Title: Nausf_SoRProtection Service
Description: AUSF SoR Protection Service

Servers

URL: '{apiRoot}/nausf-sorprotection/v1'
Variables:
 API Root:
 Default: https://example.com
 Description: apiRoot as defined in subclause 4.4 of 3GPP TS 29.501

Security

- {}

```
- oAuth2ClientCredentials:
  - nausf-sorprotection
```

Paths

{supi}/ue-sor

Method: Post

Parameters:

```
- Name: supi
  In: path
  Description: Identifier of the UE
  Required/Optional: true
  Schema:
    Reference: 'TS29571_CommonData.yaml#/components/schemas/Supi'
```

Request Body:

```
Content:
  Application/JSON:
    Schema:
      Reference: '#/components/schemas/SorInfo'
  Required/Optional: true
```

Responses:

```
'201':
  Description: SorSecurityInfo
  Content:
    Application/JSON:
      Schema:
        Reference: '#/components/schemas/SorSecurityInfo'
'503':
  Description: Service Unavailable
  Content:
    application/problem+json:
      Schema:
        Reference: 'TS29571_CommonData.yaml#/components/schemas/ProblemDetails'
```

Components

```
securitySchemes:
  oAuth2ClientCredentials:
    Type: oauth2
    Flows:
      clientCredentials:
        tokenUrl: '{nrfApiRoot}/oauth2/token'
        scopes:
```

nausf-sorprotection: Access to the Nausf_SoRProtection API

schemas:

SorInfo:

Type: object

Properties:

steeringContainer:

Reference: '#/components/schemas/SteeringContainer'

ackInd:

Reference: '#/components/schemas/AckInd'

Required:

- ackInd

SorSecurityInfo:

Type: object

Properties:

sorMacIausf:

Reference: '#/components/schemas/SorMac'

counterSor:

Reference: '#/components/schemas/CounterSor'

sorXmacIue:

Reference: '#/components/schemas/SorMac'

Required:

- sorMacIausf

- counterSor

SteeringContainer:

oneOf:

- type: array

Items:

Reference: 'TS29509_Nausf_SoRProtection.yaml#/components/schemas/SteeringInfo'

minItems: 1

- \$ref: '#/components/schemas/SecuredPacket'

SteeringInfo:

Type: object

Properties:

plmnId:

Reference: 'TS29571_CommonData.yaml#/components/schemas/PlmnId'

accessTechList:

Type: array

Items:

Reference: '#/components/schemas/AccessTech'

minItems: 1

Required:

- plmnId

SorMac:

Type: string

Pattern: '^([A-Fa-f0-9]){32}\$'

CounterSor:

Type: string

Pattern: '^([A-Fa-f0-9]){4}\$'

AckInd:

Type: boolean

SecuredPacket:

```
Type: string
format: base64
AccessTech:
anyOf:
- type: string
  enum:
  - NR
  - EUTRAN_IN_WBS1_MODE_AND_NBS1_MODE
  - EUTRAN_IN_NBS1_MODE_ONLY
  - EUTRAN_IN_WBS1_MODE_ONLY
  - UTRAN
  - GSM_AND_ECGSM_IoT
  - GSM_WITHOUT_ECGSM_IoT
  - ECGSM_IoT_ONLY
  - CDMA_1xRTT
  - CDMA_HRPD
  - GSM_COMPACT
- type: string
```

External Docs

Description: 3GPP TS 29.509 V15.2.0; 5G System; Authentication Server Services

URL: 'http://www.3gpp.org/ftp/Specs/archive/29_series/29.509'