



# Nausf SoRProtection

---

- [OpenAPI, on page 1](#)
- [Info, on page 1](#)
- [Servers, on page 1](#)
- [Security, on page 1](#)
- [Paths, on page 2](#)
- [Components, on page 2](#)
- [External Docs, on page 4](#)

## 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](http://www.3gpp.org/ftp/Specs/archive/29_series/29.509)'