



# Equipment Identity Register

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EIR allows the AMF to interact with EIR to validate the UE identity during the UE registration procedure.

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## OpenAPI

OpenAPI Version: 3.0.0

## Info

**Version:** '1.1.1'

**Title:** '5G-EIR Equipment Identity Check'

**Description:** |

5G-EIR Equipment Identity Check Service.

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# Servers

**URL:** '{apiRoot}/n5g-eir-eic/v1'

**Variables:**

**API Root:**

**Default:** https://example.com

**Description:** apiRoot as defined in clause clause 4.4 of 3GPP TS 29.501

# Security

- {}
- oAuth2ClientCredentials:
  - n5g-eir-eic

# Paths

## equipment-status

**get:**

**Summary:** Retrieves the status of the UE

**Operation ID:** GetEquipmentStatus

**Tags:**

- Equipment Status (Document)

**Parameters:**

- **Name:** pei

**In:** query

**Description:** PEI of the UE

**Required/Optional:** true

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Pei'

- **Name:** supi

**In:** query

**Description:** SUPI of the UE

**Required/Optional:** false

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Supi'

- **Name:** gpsi

**In:** query

**Description:** GPSI of the UE

**Required/Optional:** false

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/Gpsi'

- **Name:** supported-features

**In:** query

**Description:** supported features of the NF consumer

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/SupportedFeatures'

**Responses:**

'200':

**Description:** Expected response to a valid request

**Content:**

**Application/JSON:**

**Schema:**

**Reference:** '#/components/schemas/EirResponseData'

'307':

**Description:** temporary redirect

**Headers:****Location:**

**Description:** 'An alternative URI of the resource located on an alternative service instance within the same 5G-EIR or 5G-EIR (service) set '

**Required/Optional:** true

**Schema:**

**Type:** string

**3gpp-Sbi-Target-Nf-Id:**

**Description:** 'Identifier of target 5G-EIR (service) instance towards which the request is redirected'

**Schema:**

**Type:** string

**'308':**

**Description:** permanent redirect

**Headers:****Location:**

**Description:** 'An alternative URI of the resource located on an alternative service instance within the same 5G-EIR or 5G-EIR (service) set '

**Required/Optional:** true

**Schema:**

**Type:** string

**3gpp-Sbi-Target-Nf-Id:**

**Description:** 'Identifier of target 5G-EIR (service) instance towards which the request is redirected'

**Schema:**

**Type:** string

**'400':**

**Reference:** 'TS29571\_CommonData.yaml#/components/responses/400'

**'401':**

**Reference:** 'TS29571\_CommonData.yaml#/components/responses/401'

**'404':**

**Description:** PEI Not Found

**Content:**

**application/problem+json:**

**Schema:**

**Reference:** 'TS29571\_CommonData.yaml#/components/schemas/ProblemDetails'

**'414':**

**Reference:** 'TS29571\_CommonData.yaml#/components/responses/414'

**'429':**

**Reference:** 'TS29571\_CommonData.yaml#/components/responses/429'

**'500':**

**Reference:** 'TS29571\_CommonData.yaml#/components/responses/500'

**'503':**

**Reference:** 'TS29571\_CommonData.yaml#/components/responses/503'

**Default:**

**Description:** Unexpected error

## Components

**securitySchemes:**

**oAuth2ClientCredentials:**

**Type:** oauth2

**Flows:**

**clientCredentials:**

**tokenUrl:** '{nrfApiRoot}/oauth2/token'

**scopes:**

**n5g-eir-eic:** Access to the N5g-eir\_EquipmentIdentityCheck API

**schemas:**

**EirResponseData:****Type:** object**Required:**

- status

**Properties:****status:****Reference:** '#/components/schemas/EquipmentStatus'**EquipmentStatus:****Type:** string**enum:**

- WHITELISTED
- BLACKLISTED
- GREYLISTED

## External Docs

**Description:** 3GPP TS 29.511 V16.4.0; 5G System; Equipment Identity Register Services; Stage 3

**URL:** '[http://www.3gpp.org/ftp/Specs/archive/29\\_series/29.511/](http://www.3gpp.org/ftp/Specs/archive/29_series/29.511/)'