



# N5g-eir Equipment Identity Check

N5g-eir is a Service-based interface exhibited by 5G-EIR (5G-Equipment Identity Register) which is an optional network function that supports the checking of the status of Equipment's identity. For example, to check that it has not been blacklisted.

**Reference:** 3GPP TS 29.511 V15.3.0

**N5g-eir\_EquipmentIdentityCheck:** This service offered by the 5G-EIR allows the consumer to check the Permanent Equipment Identifier (PEI) and check whether the PEI is in the black list or not.

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## OpenAPI

OpenAPI Version: 3.0.0

## info

**Version:** '1.0.0'

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

**Description:** '5G-EIR Equipment Identity Check Service'

## externalDocs

**Description:** 3GPP TS 29.511 V15.2.0; 5G System; Equipment Identity Register Services; Stage 3

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

## security

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

## servers

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

**Variables:**

**API Root:**

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

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

## 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:** '#/components/schemas/Pei'

- name: supi

**In:** query

**Description:** SUPI of the UE

**Required/Optional:** false

**Schema:**

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

**Responses:**

'200' Expected response to a valid request

**Content:**

**Application/JSON:**

**Schema:**

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

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

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

'404' PEI Not Found

**Content:**

application/problem+json:

**Schema:**

**Reference:** '#/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

**Content:**

application/problem+json:

**Schema:**

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

## 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'

### Pei

**Type:** string

**Pattern:** "([0-9]{14})"

### Supi

**Type:** string

**Pattern:** "(imsi-[0-9]{5,15}|nai-.+)"

### EquipmentStatus

**Type:** string

**enum:**

- WHITELISTED

- BLACKLISTED

- GREYLISTED

### ProblemDetails

**Description:** '<https://www.rfc-editor.org/rfc/rfc7807.txt>'

**Type:** object

**Required:**

- type

**Properties:**

**Type:**

**Type:** string

**title:**

**Type:** string

**status:**

**Type:** integer

**detail:**

**Type:** string

**instance:**

**Type:** string

