



# Clearing Day Calendar v1

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# Chapter 1. Overview

The clearing day calendar contains scheduling information for the electronic payment services provided by SIX Interbank Clearing Ltd. The information in the clearing day calendar includes events scheduled for future dates.

These scheduled events (e.g. a clearing stop 1 at 15:00 on 2nd May 2025) are established in November for the following year. Once the events for the next year have been scheduled, they are available via the API. The API only includes forthcoming dates, which means that its contents will diminish as the year progresses. Therefore, the number of days listed may vary.

Given that the information regarding these scheduled events may change (e.g. an extension of a scheduled downtime), an update will be issued daily at approximately 16:30 CET.

Any rescheduling to take place at short notice (e.g. the shift of clearing stop 1 on the actual clearing day) is not communicated in the clearing day calendar but through ISO 20022 messages sent directly from the respective SIC service.

## *Disclaimer*

SIX assumes no responsibility for the completeness of the information provided in this document, nor for any damages from actions taken based on this information. SIX reserves the express right to change or delete this information at any time.

## 1.1. Version information

*Version* : 1.0 (generated 2024-03-27T17:02:01Z)

## 1.2. Contact information

*Contact* : SIX Interbank Clearing

*Contact Email* : [operations.sic@six-group.com](mailto:operations.sic@six-group.com)

## 1.3. URI scheme

*Host* : api.six-group.com

*BasePath* : /api/epcd/clearingday/v1

*Schemes* : HTTPS

## 1.4. Tags

- calendar : **Clearing Day Calendar**

Informations about future clearing days can be found here.

- healthcheck : **System Healthcheck**

This allows to check the basic state of the system (can it be reached, does it respond).

# Chapter 2. Resources

## 2.1. Calendar

### Clearing Day Calendar

Informations about future clearing days can be found here.

#### 2.1.1. GET Calendar in JSON Format

GET /calendar

#### Description

Returns the clearing day calendar data as a JSON object.

#### Parameters

Type	Name	Description	Schema
Query	<b>calendarDay</b> <i>optional</i>	Calendar day (according to ISO 8601) that should be returned by the API call. If not specified all available, future entries are returned.	string (date)
Query	<b>serviceIdentif ication</b> <i>optional</i>	Service identification that should be returned by the API call. If not specified all available services are returned.	string

#### Responses

HTTP Code	Description	Schema
200	Clearing day calendar in JSON format	<a href="#">ClearingDayCalendarJsonResponse</a>
default	Unexpected error.	<a href="#">Problem</a>

#### Produces

- [application/json](#)

#### 2.1.2. HEAD Calendar in JSON Format

HEAD /calendar

## Description

Clearing day calendar file in JSON format (only head, no content).

## Parameters

Type	Name	Description	Schema
Query	<b>calendarDay</b> <i>optional</i>	Calendar day (according to ISO 8601) that should be returned by the API call. If not specified all available, future entries are returned.	string (date)
Query	<b>serviceIdentif ication</b> <i>optional</i>	Service identification that should be returned by the API call. If not specified all available services are returned.	string

## Responses

HTTP Code	Description	Schema
200	Content can be downloaded with GET method.	No Content
default	Unexpected error.	No Content

### 2.1.3. GET Calendar File in CSV Format

```
GET /calendar.csv
```

## Description

Clearing day calendar file in CSV format, with header row. The file encoding corresponds to the Unicode character set UTF-8 and must be read accordingly (umlauts, etc.).

## Parameters

Type	Name	Description	Schema
Query	<b>calendarDay</b> <i>optional</i>	Calendar day (according to ISO 8601) that should be returned by the API call. If not specified all available, future entries are returned.	string (date)
Query	<b>serviceIdentif ication</b> <i>optional</i>	Service identification that should be returned by the API call. If not specified all available services are returned.	string

## Responses

HTTP Code	Description	Schema
200	Clearing day calendar file in CSV format.	No Content
default	Unexpected error.	<a href="#">Problem</a>

## Produces

- `text/csv`

### 2.1.4. HEAD Calendar in CSV Format

```
HEAD /calendar.csv
```

## Description

Clearing day calendar file in CSV format (only head, no content).

## Parameters

Type	Name	Description	Schema
Query	<b>calendarDay</b> <i>optional</i>	Calendar day (according to ISO 8601) that should be returned by the API call. If not specified all available, future entries are returned.	string (date)
Query	<b>serviceIdentification</b> <i>optional</i>	Service identification that should be returned by the API call. If not specified all available services are returned.	string

## Responses

HTTP Code	Description	Schema
200	Content can be downloaded with GET method.	No Content
default	Unexpected error.	No Content

## 2.2. Healthcheck

### System Healthcheck

This allows to check the basic state of the system (can it be reached, does it respond).

### 2.2.1. GET Health Check

GET /healthcheck

#### Description

Returns a status message of the system.

#### Responses

HTTP Code	Description	Schema
200	Healthcheck successful	<a href="#">HealthCheckResponse</a>
default	Unexpected error.	<a href="#">Problem</a>

#### Produces

- `application/json`

### 2.2.2. HEAD Health Check

HEAD /healthcheck

#### Description

Returns a status message of the system (only head, no content).

#### Responses

HTTP Code	Description	Schema
200	Content can be downloaded with GET method.	No Content
default	Unexpected error.	No Content

# Chapter 3. Definitions

## 3.1. ClearingDayCalendarJsonResponse

Toplevel element that contains metadata and clearing day calendar entries.

Name	Schema
<b>metaData</b> <i>required</i>	<a href="#">ClearingDayCalendarMetaData</a>
<b>entries</b> <i>required</i>	< <a href="#">ClearingDayCalendarJsonResponseEntry</a> > array

## 3.2. ClearingDayCalendarMetaData

Information about the validity and creation stamp.

Name	Description	Schema
<b>createdStamp</b> <i>required</i>	Date and time (according to ISO 8601) at which this response was created. <b>Example :</b> "2024-12-21T10:52:05.1904957+01:00"	string (date-time)

## 3.3. ClearingDayCalendarJsonResponseEntry

Contains clearing day information for a specific calendar date.

Name	Description	Schema
<b>calendarDay</b> <i>required</i>	Calendar day (according to ISO 8601) of the record. All dependent information can be found as child elements. <b>Example :</b> "2024-12-23"	string (date)
<b>dayOfWeek</b> <i>required</i>	Day of week of the current record in english. This redundant information is only available to support readability. <b>Length :</b> 1 - 15 <b>Example :</b> "Wednesday"	string
<b>services</b> <i>required</i>		< <a href="#">Service</a> > array



## 3.4. Service

Clearing day information for a specific service (e.g. SIC RTGS service or SIC IP service). This always includes the currently valid clearing day and may include planned downtimes and planned clearing day changes - if any.

Name	Description	Schema
<b>serviceIdentification</b> <i>required</i>	Values for Production Services: PCR_P; PER_P; PCI_P Values for Test environments: - SIC RTGS service: XCR_E; XCR_P; ACR_E; ACR_P - SIC IP service: XCI_E; ACI_E; XCI_P; ACI_P; VCI_E; VCI_P - euroSIC RTGS service: XER_E; XER_P; AER_E; AER_P <b>Length : 1 - 10</b> <b>Example : "PCR_P"</b>	string
<b>serviceDescription</b> <i>required</i>	Additional information to the serviceIdentification. No predefined values. <b>Length : 1 - 250</b> <b>Example : "SIC-RTGS-Service: External test environment for tests with production data and the current development status of the next release"</b>	string
<b>clearingDay</b> <i>required</i>	The clearing day that is active on the start (00:00) of the related calendar day. <b>Example : "2024-12-23"</b>	string (date)
<b>scheduledDowntimes</b> <i>optional</i>	Planned downtime(s) of the service on this calendar day. If a downtime does not end by midnight, the end is 24:00 and the downtime continues at 00:00 on the next calendar day.	< <a href="#">Duration</a> > array
<b>scheduledClearingDayChange</b> <i>optional</i>		<a href="#">ScheduledClearingDayChange</a>

## 3.5. ScheduledClearingDayChange

Used if a clearing day change is scheduled for the calendar date. Depending on the service certain child-elements are available:

- a) clearing stops (SIC RTGS and euroSIC RTGS service)
- b) cut-offs for euroSIC RTGS service
- c) the next clearing day scheduled

The date-time fields are structured according to RFC3339, section 5.6 in ISO 8601 with timezone and milliseconds.

Name	Description	Schema
<b>scheduledClearingStop1</b> <i>optional</i>	Clearing stop 1 date and time. <b>Example :</b> "2024-12-23T17:00:00.0000000+01:00"	string (date-time)
<b>scheduledClearingStop2</b> <i>optional</i>	Clearing stop 2 date and time. <b>Example :</b> "2024-12-23T18:00:00.0000000+01:00"	string (date-time)
<b>scheduledClearingStop3</b> <i>optional</i>	Clearing stop 3 date and time. <b>Example :</b> "2024-12-23T18:15:00.0000000+01:00"	string (date-time)
<b>scheduledCutOff1</b> <i>optional</i>	Cut off 1 date and time. <b>Example :</b> "2024-12-23T16:30:00.0000000+01:00"	string (date-time)
<b>scheduledCutOff2</b> <i>optional</i>	Cut off 2 date and time. <b>Example :</b> "2024-12-23T17:30:00.0000000+01:00"	string (date-time)
<b>nextClearingDay</b> <i>required</i>	The clearing day that starts after day end processing (SIC and euroSIC RTGS service) or after day change (SIC IP service). <b>Example :</b> "2024-12-24"	string (date)

## 3.6. Duration

A duration composed of start and end. The date-time fields are structured according to RFC3339, section 5.6 in ISO 8601 with timezone and milliseconds.

Name	Description	Schema
<b>startDateTime</b> <i>required</i>	Start date and time of the duration. <b>Example :</b> "2024-12-23T12:00:00.0000000+01:00"	string (date-time)
<b>endDateTime</b> <i>required</i>	End date and time of the duration. <b>Example :</b> "2024-12-23T24:00:00.0000000+01:00"	string (date-time)

## 3.7. Problem

Name	Description	Schema
<b>type</b> <i>optional</i>	An absolute URI that identifies the problem type. We may provide human-readable documentation for the problem type in the future, when the URI is dereferenced. <b>Default</b> : "about:blank" <b>Example</b> : "/problems/REQUEST_PARAMETER_VALIDATION_FAILED"	string (uri)
<b>title</b> <i>required</i>	A short, human readable summary of the problem type. <b>Example</b> : "Request parameter has missing or invalid values"	string
<b>status</b> <i>required</i>	The HTTP status code generated by the origin server for this occurrence of the problem. <b>Minimum value</b> : 100 <b>Maximum value (exclusive)</b> : 600 <b>Example</b> : 400	integer (int32)
<b>detail</b> <i>required</i>	A human readable explanation specific to this occurrence of the problem. <b>Example</b> : "The submitted request contains invalid or missing request parameters which cannot be processed."	string
<b>instance</b> <i>optional</i>	An absolute URI that identifies the specific occurrence of the problem. It may or may not yield further information if dereferenced. <b>Example</b> : "/api/epcd/bankmaster/v3/public/errors/EPCD0090000001/provided-D"	string (uri)
<b>metadata</b> <i>optional</i>		GenericObject

## 3.8. GenericObject

Structured type that contains an object and its type.

Name	Description	Schema
<b>@type</b> <i>required</i>	The field "@type" contains a URI/name identifying the type. Example: "@type": "types.example.com/standard/id".	string

Name	Description	Schema
<b>data</b> <i>required</i>	An object of type @type containing custom fields.	object

### 3.9. HealthCheckResponse

Name	Description	Schema
<b>message</b> <i>required</i>	Response message from health check. <b>Maximal length</b> : 100 <b>Example</b> : "The health check GET request was successfully received and processed."	string
<b>requestDateTime</b> <i>required</i>	According to RFC3339, section 5.6 in ISO 8601 with timezone and milliseconds. <b>Example</b> : "2024-12-21T10:52:05.1904957+01:00"	string (date-time)
<b>receivedHeaders</b> <i>required</i>		< <a href="#">receivedHeaders</a> > array
<b>environmentStage</b> <i>required</i>	The instance to which the request was sent to. <b>Example</b> : "X1"	string
<b>applicationVersion</b> <i>required</i>	The version of the API backend. <b>Example</b> : "4.5.0-julia"	string
<b>apiVersion</b> <i>required</i>	The version of the API. <b>Example</b> : "1.0.23"	string

#### receivedHeaders

Name	Description	Schema
<b>headerName</b> <i>optional</i>	The name of the provided header. <b>Example</b> : "Accept"	string
<b>headerValue</b> <i>optional</i>	As received <b>Example</b> : "application/json"	string