



Clearing Day Calendar v1

<https://www.six-group.com/>

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Table of Contents

1. Introduction	1
1.1. Changelog	1
2. Endpoints	2
2.1. Calendar	2
2.1.1. getClearingDayCalendarCsv	2
2.1.2. getClearingDayCalendarJson	3
2.1.3. headClearingDayCalendarCsv	4
2.1.4. headClearingDayCalendarJson	5
2.2. Healthcheck	6
2.2.1. getHealthCheckForGet	6
2.2.2. headHealthCheckForGet	6
3. Models	8
3.1. <i>ClearingDayCalendarJsonResponse</i>	8
3.2. <i>ClearingDayCalendarJsonResponseEntry</i>	8
3.3. <i>ClearingDayCalendarMetaData</i>	9
3.4. <i>Duration</i>	9
3.5. <i>GenericObject</i>	9
3.6. <i>HealthCheckResponse</i>	10
3.7. <i>HealthCheckResponseReceivedHeadersInner</i>	10
3.8. <i>Problem</i>	11
3.9. <i>ScheduledClearingDayChange</i>	12
3.10. <i>Service</i>	13

Chapter 1. Introduction

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. Changelog

- 2025-05-06
 - Converted from swagger 2.0 to openapi 3.0.2 schema.

Chapter 2. Endpoints

2.1. Calendar

2.1.1. getClearingDayCalendarCsv

GET /calendar.csv

GET Calendar File in CSV Format

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

Query Parameters

Name	Description	Required	Default
calendarDay	Calendar day (according to ISO 8601) that should be returned by the API call. If not specified all available, future entries are returned. Example: 2013-10-20	-	null
serviceIdentification	Service identification that should be returned by the API call. If not specified all available services are returned. Minimum length: 5 Maximal length: 5 Example: PCI_P	-	null

Return Type

[String]

Content Type

- text/csv
- application/json

Responses

Table 1. HTTP Response Codes

Code	Message	Datatype
200	Clearing day calendar file in CSV format.	[String]
0	Unexpected error.	Section 3.8, “Problem”

Samples

2.1.2. getClearingDayCalendarJson

GET /calendar

GET Calendar in JSON Format

Description

Returns the clearing day calendar data as a JSON object.

Parameters

Query Parameters

Name	Description	Required	Default
calendarDay	Calendar day (according to ISO 8601) that should be returned by the API call. If not specified all available, future entries are returned. Example: 2013-10-20	-	null
serviceIdentification	Service identification that should be returned by the API call. If not specified all available services are returned. Minimum length: 5 Maximal length: 5 Example: PCI_P	-	null

Return Type

Section 3.1, “*ClearingDayCalendarJsonResponse*”

Content Type

- application/json

Responses

Table 2. HTTP Response Codes

Code	Message	Datatype
200	Clearing day calendar in JSON format	Section 3.1, “ClearingDayCalendarJsonResponse”
0	Unexpected error.	Section 3.8, “Problem”

Samples

2.1.3. headClearingDayCalendarCsv

HEAD /calendar.csv

HEAD Calendar in CSV Format

Description

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

Parameters

Query Parameters

Name	Description	Required	Default
calendarDay	Calendar day (according to ISO 8601) that should be returned by the API call. If not specified all available, future entries are returned. Example: 2013-10-20	-	null
serviceIdentification	Service identification that should be returned by the API call. If not specified all available services are returned. Minimum length: 5 Maximal length: 5 Example: PCI_P	-	null

Return Type

-

Responses

Table 3. HTTP Response Codes

Code	Message	Datatype
200	Content can be downloaded with GET method.	
0	Unexpected error.	

Samples

2.1.4. headClearingDayCalendarJson

HEAD /calendar

HEAD Calendar in JSON Format

Description

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

Parameters

Query Parameters

Name	Description	Required	Default
calendarDay	Calendar day (according to ISO 8601) that should be returned by the API call. If not specified all available, future entries are returned. Example: 2013-10-20	-	null
serviceIdentification	Service identification that should be returned by the API call. If not specified all available services are returned. Minimum length: 5 Maximal length: 5 Example: PCI_P	-	null

Return Type

-

Responses

Table 4. HTTP Response Codes

Code	Message	Datatype
200	Content can be downloaded with GET method.	
0	Unexpected error.	

Samples

2.2. Healthcheck

2.2.1. getHealthCheckForGet

GET /healthcheck

Health check using GET method

Description

Returns a status message of the system.

Parameters

Return Type

[Section 3.6, “HealthCheckResponse”](#)

Content Type

- application/json

Responses

Table 5. HTTP Response Codes

Code	Message	Datatype
200	Healthcheck successful	Section 3.6, “HealthCheckResponse”
0	Unexpected error.	Section 3.8, “Problem”

Samples

2.2.2. headHealthCheckForGet

HEAD /healthcheck

Health check using GET method (only head, no content)

Description

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

Parameters

Return Type

-

Responses

Table 6. HTTP Response Codes

Code	Message	Datatype
200	Content can be downloaded with GET method.	
0	Unexpected error.	

Samples

Chapter 3. Models

3.1. *ClearingDayCalendarJsonResponse*

Toplevel element that contains metadata and clearing day calendar entries.

Field Name	Required	Nullable	Type	Description	Format
metaData	X		Section 3.3 , “ <i>ClearingDayCalendarMetaData</i> ”		
entries	X		array of Section 3.2 , “ <i>ClearingDayCalendarJsonResponseEntry</i> ”		

3.2. *ClearingDayCalendarJsonResponseEntry*

Contains clearing day information for a specific calendar date.

Field Name	Required	Nullable	Type	Description	Format
calendarDay	X		string	Calendar day (according to ISO 8601) of the record. All dependent information can be found as child elements. Example: Mon Dec 23 01:00:00 CET 2024	date
dayOfWeek	X		string	Day of week of the current record in english. This redundant information is only available to support readability. Minimum length: 1 Maximal length: 15 Example: Wednesday	
services	X		array of Section 3.10 , “ <i>Service</i> ”		

3.3. *ClearingDayCalendarMetaData*

Information about the validity and creation stamp.

Field Name	Required	Nullable	Type	Description	Format
createdStamp	X		string	Date and time (according to ISO 8601) at which this response was created. Example: 2024-12-21T10:52:05.190495700+01:00	date-time

3.4. *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.

Field Name	Required	Nullable	Type	Description	Format
startDateTime	X		string	Start date and time of the duration. Example: 2024-12-23T12:01:23.579+01:00	date-time
endDateTime	X		string	End date and time of the duration. Example: 2024-12-23T23:05:00.453+01:00	date-time

3.5. *GenericObject*

Structured type that contains an object and its type.

Field Name	Required	Nullable	Type	Description	Format
@type	X		string	The field "@type" contains a URI/name identifying the type. Example: types.example.com/standard/id	

Field Name	Required	Nullable	Type	Description	Format
data	X		object	An object of type @type containing custom fields. Example: -	

3.6. *HealthCheckResponse*

Field Name	Required	Nullable	Type	Description	Format
message	X		string	Response message from health check. Maximal length: 100 Example: The health check GET request was successfully received and processed.	
requestDateTime	X		string	According to RFC3339, section 5.6 in ISO 8601 with timezone and milliseconds. Example: 2023-01-21T10:52:05.190495700+01:00	date-time
receivedHeaders	X		array of [HealthCheckResponse_receivedHeaders_inner]		
environmentStage	X		string	The instance to which the request was sent to. Example: x	
applicationVersion	X		string	The version of the API backend. Example: 4.5.0-julia	
apiVersion	X		string	The version of the API. Example: 1.0.23	

3.7. *HealthCheckResponseReceivedHeadersInner*

Field Name	Required	Nullable	Type	Description	Format
headerName			string	The name of the provided header. Example: Accept	
headerValue			string	As received Example: application/json	

3.8. Problem

Field Name	Required	Nullable	Type	Description	Format
type			string	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. Example: /problems/REQUEST_PARAMETER_VALIDATION_FAILED	uri
title	X		string	A short, human readable summary of the problem type. Example: Request parameter has missing or invalid values	
status	X		integer	The HTTP status code generated by the origin server for this occurrence of the problem. Example: 400	int32

Field Name	Required	Nullable	Type	Description	Format
detail	X		string	<p>A human readable explanation specific to this occurrence of the problem.</p> <p>Example: The submitted request contains invalid or missing request parameters which cannot be processed.</p>	
instance			string	<p>An absolute URI that identifies the specific occurrence of the problem. It may or may not yield further information if dereferenced.</p> <p>Example: /api/epcd/bankmaster/v3/public/errors/EPCD0090000001/provided-D</p>	uri
metadata			Section 3.5, “GenericObject”		

3.9. 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.

Field Name	Required	Nullable	Type	Description	Format
scheduledClearingStop1			string	<p>Clearing stop 1 date and time.</p> <p>Example: 2024-12-23T17:00+01:00</p>	date-time
scheduledClearingStop2			string	<p>Clearing stop 2 date and time.</p> <p>Example: 2024-12-23T18:00+01:00</p>	date-time

Field Name	Required	Nullable	Type	Description	Format
scheduledClearingStop3			string	Clearing stop 3 date and time. Example: 2024-12-23T18:15+01:00	date-time
scheduledCutOff1			string	Cut off 1 date and time. Example: 2024-12-23T16:30+01:00	date-time
scheduledCutOff2			string	Cut off 2 date and time. Example: 2024-12-23T17:30+01:00	date-time
nextClearingDay	X		string	The clearing day that starts after day end processing (SIC and euroSIC RTGS service) or after day change (SIC IP service). Example: Tue Dec 24 01:00:00 CET 2024	date

3.10. 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.

Field Name	Required	Nullable	Type	Description	Format
serviceIdentification	X		string	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 Minimum length: 1 Maximal length: 10 Example: PCR_P	

Field Name	Required	Nullable	Type	Description	Format
serviceDescription	X		string	<p>Additional information to the serviceIdentification. No predefined values.</p> <p>Minimum length: 1 Maximal length: 250 Example: SIC-RTGS-Service: External test environment for tests with production data and the current development status of the next release</p>	
clearingDay	X		string	<p>The clearing day that is active on the start (00:00) of the related calendar day.</p> <p>Example: Mon Dec 23 01:00:00 CET 2024</p>	date
scheduledDowntimes			array of Section 3.4, “Duration”	<p>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.</p> <p>Example: -</p>	
scheduledClearingDayChange			Section 3.9, “ScheduledClearingDayChange”		