

# Swedavia

## WaitTime V2 API



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# Using the WaitTime API

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# 1 THE WAITTIME API

The WaitTime API offers information about current wait times at the security checkpoints.

## 1.1 Date and time values

Datetimes are returned in UTC format.

## 1.2 Airline and airport codes

The aviation sector often makes use of IATA codes to represent airports and cities. The codes are maintained by the organization IATA. The endpoints at the WaitTime API accepts IATA codes as parameters or includes them in the response. Codes are typically containing three characters.

### 1.2.1 Supported Airport IATA Codes

The following airports are currently supported.

<b>Airport</b>	<b>IATA code</b>
<b>Stockholm Arlanda Airport</b>	ARN
<b>Bromma Stockholm Airport</b>	BMA
<b>Göteborg Landvetter Airport</b>	GOT

## 1.3 Location of security points at Bromma and Landvetter (Gothenburg)

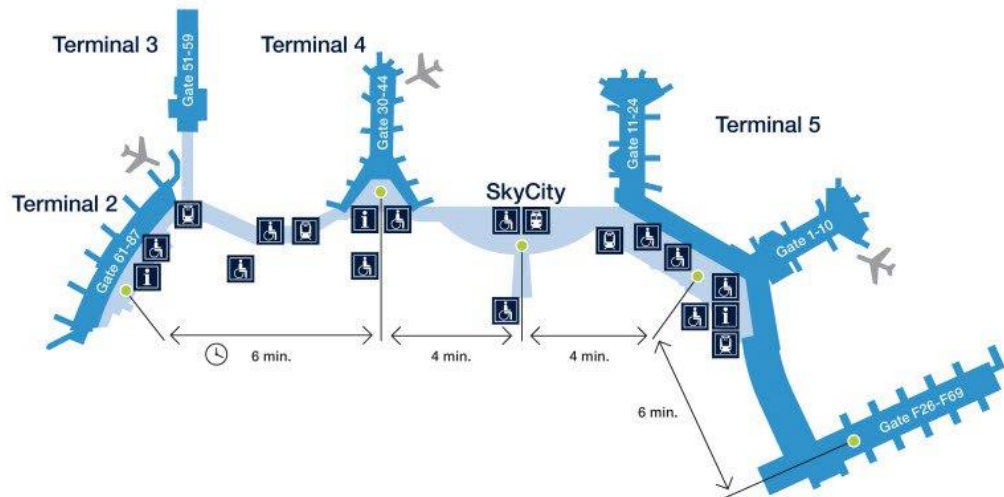
Landvetter and Bromma have only one security checkpoint for all flights.

The security checks are referred to in the API as:

- Security Landvetter
- Security Landvetter FastTrack
- Security Bromma

## 1.4 Location of security points at Arlanda

### 1.4.1 Terminal 2, 3, 4



For terminal 2, 3, 4 the security checks are located just outside the entrance to the piers.

The security checks are referred to in the API as:

- Security Arlanda Terminal 2
- Security Arlanda Terminal 2 FastTrack
- Security Arlanda Terminal 3
- Security Terminal 4

## 1.4.2 Terminal 5



For terminal 5 there are 2 security checks.

Security check D is referred to in the API as

- Security Arlanda Terminal 5D
- Security Arlanda Terminal 5D FastTrack.

Security check F is referred to in the API as

- Security Arlanda Terminal 5F
- Security Arlanda Terminal 5F FastTrack

## 1.5 Overflow

If the queues become longer than the sensors can reach, the projected waiting time might not be correct. This state is called queue overflow. The API shows when this type of situation occurs through a property called 'overflow' in the response. Projected waiting times should not be displayed in this situation.

## 2 ENDPOINTS

This section lists all available endpoints at the WaitTime API. Further, input parameters and responses are explained.

### 2.1 Airports

The endpoint serves the client with wait time information for all the security checkpoints at the specified endpoint.

```
GET https://api.swedavia.se/waittimepublic/v2/airports/{airport}
```

2.1.1 Requests Parameters

<i>Parameter</i>	<i>Data Type</i>	<i>Parameter Type</i>	<i>Mandatory</i>	<i>Description</i>
<i>Airport</i>	String	URL	Yes	The airport IATA code to fetch security waiting times for.

2.1.2 Response

<i>Property</i>	<i>Data Type</i>	<i>Description</i>
<i>Id</i>	Integer	Identifier of the security checkpoint.
<i>QueueName</i>	String	The name of the security checkpoint. See section 1.3 and 1.4 for names and their locations.
<i>CurrentTime</i>	String (UTC-formatted DateTime string)	Timestamp when the measurement took place.
<i>CurrentProjectedWaitTime</i>	Integer	The <b>currently</b> projected waiting time for this security checkpoint in minutes.
<i>IsFastTrack</i>	Bool	Whether this security checkpoint is FastTrack or not.
<i>Terminal</i>	String	The terminal where the security checkpoint is located.
<i>Latitude</i>	Fraction	Latitude of the security checkpoint.
<i>Longitude</i>	Fraction	Longitude of the security checkpoint.
<i>Overflow</i>	Boolean	True if the system was unable to measure waiting times due to queues outside the measurement area.

## 2.2 Flights

Returns the waiting time for a specific airport. Filters away all security checkpoint which are not close to the gate where a provided flight will depart from. This endpoint only provides information about security waiting times connected to the specified flight. No updates for the flight, such as departure status and delays will be broadcasted through this endpoint.

GET

`https://api.swedavia.se/waittimepublic/v2/airports/{airport}/flights?flightid={flightid}&date={date}`

### 2.2.1 Request Parameters

<i>Parameter</i>	<i>Data Type</i>	<i>Parameter Type</i>	<i>Description</i>
<i>Airport</i>	String	URL	The airport to fetch security waiting times for.
<i>FlightId</i>	String	Query string	The flight which will filter away unnecessary waiting times based on its departure gate
<i>Date</i>	String	Query string	The departure date of the flight. Should be formatted as YYYY-MM-DD.

### 2.2.2 Response

Same structure as 2.1.2.