Guide to reporting in the test environment via system to system (API)

Contents

[1. Purpose of the guide 2](#_Toc206068610)

[2. Requirements before the test environment API can be accessed 2](#_Toc206068611)

[3. Reporting to the test environment 2](#_Toc206068612)

[3.1 Reporting flow 3](#_Toc206068613)

[4. API specifications 3](#_Toc206068614)

[4.1 API specification for calls to Billetautomaten 3](#_Toc206068615)

[4.1.1 API specification when reporting on behalf of others 3](#_Toc206068616)

[4.2 API specification for calls to CESOP-DK 3](#_Toc206068617)

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# 1. Purpose of the guide

This guide is aimed at financial businesses (payment service providers (PSPs)) [[1]](#footnote-1) which facilitate cross-border payments. PSPs must report their cross-border payments in XML format to the Danish Tax Agency (*Skattestyrelsen*), which forwards the data to a central EU database, CESOP-EU[[2]](#footnote-2).

The purpose of this guide is to describe how to use the CESOP-DK test environment API solution for testing before submission to the production environment is commenced. It is a technical guide that doesn’t provide guidance on the reported data or their format. For guidance on these areas, reference is made to the general reporting guide.

# 2. Requirements before the test environment API can be accessed

API is not available to foreign companies, as it requires that the company has MitID to obtain certificates that are necessary to use API.  MitID requires that the company has a Danish address. Non-Danish companies/PSP´s must report via user interface (E-tax for businesses).

Before you can access the test environment via the displayed APIs, you need to obtain a test certificate from NETS. Guidance on how to obtain an OCES test certificate can be found in the section “Supplementary guidelines for API” [Guidelines to obtaining OCES certificates](https://skat.dk/media/nxifkkyo/vejledning-til-anskaffelse-af-oces-certificates.pdf) The guide is only available in Danish.

Once the test certificate has been obtained, the business must be created in the security solution of the Danish Customs and Tax Administration (*Skatteforvaltningen*). To be created, you need to submit the following data:

* Name of organisation: ‘Name of the testing business’
* CVR number: ‘CVR number of the testing business’
* Subject UUID: ‘UUID on the certificate’

The data is sent to CESOPDK@sktst.dk.

If you want to report on behalf of others, you must state this together with your submission of the above information. If you have already registered a testing business in DCS65 on behalf of which you wish to report, you must state the CVR number of this testing business.

# 3. Reporting to the test environment

Before reporting in the test environment, we recommend that the test file is validated using the validation module provided by the EU. [The validation module and guide can be found at the EU’s web page on CESOP](file:///C%3A%5CUsers%5Cw11534%5CAppData%5CLocal%5CMicrosoft%5CWindows%5CINetCache%5CContent.Outlook%5CXMGUHS19%5CValideringsmodul%20og%20vejledning%20kan%20findes%20p%C3%A5%20EUs%20side%20om%20CESOP). <https://taxation-customs.ec.europa.eu/taxation-1/central-electronic-system-payment-information-cesop_en>

## 3.1 Reporting flow

To be able to submit data to CESOP and obtain receipts and validation reports etc. from CESOP-DK, you have to make 2 calls.

First, you call [Billetautomaten](https://oces.billetautomat.tfe.skat.dk/auth/realms/oces/certificates/cert) with the test certificate that is submitted to the Customs and Tax Administration. You will need the client ID: cesop API. See further in the guide [Using OCES certificates with-postman](https://skat.dk/media/1w3am3vo/using-oces-certificates-with-postman.pdf) in the Reporting guidelines section under "supplementary guidelines for API"

Billetautomaten returns a JWT, which you use as Bearer Authentication in the call to CESOP-DK, which is the second call.

# 4. API specifications

## 4.1 API specification for calls to Billetautomaten

Calls to Billetautomaten are described in the document

“Cesop - Guide (v.3) for CESOP-DK Users on Migrating Calls from BAT1 to BAT2”

Billetautomaten is based on a Keycloak installation that follows the Keycloak standard.”

<https://bat.tfe.skat.dk/realms/oces/.well-known/openid-configuration>

### 4.1.1 API specification when reporting on behalf of others

The API specifications embedded above also contain specifications of how calls are made to Billetautomaten when work is done on behalf of another party.

## 4.2 API specification for calls to CESOP-DK

The API specification for the call to CESOP-DK can be found here: <https://api.cesop.tfe.skat.dk/api/v1/spec>

Please note that the specification comprises both the test environment and the production environment.

The specification can advantageously be seen in: <https://editor.swagger.io/>

1. Payment Service Provider [↑](#footnote-ref-1)
2. CESOP (Central Electronic System of Payment Information) is a system maintained by the European Commission for collection of cross-border payment transaction data collected by the Member States from PSPs. [↑](#footnote-ref-2)