

# Verification via Invoice Elements

## Introduction

Invoice verification can be done using third-party applications by providing specific values from the invoice. When this is the case a client can verify an invoice by invoking the **Verification via Invoice Elements** endpoint on TaxCore.API.

Compose HTTPS POST requests as follows:

1. Add headers "Accept: application/json", "Content-Type: application/json" and header that contains authentication token.
2. Create a json request data as described in the Request section below.
3. Submit POST request to `https://<taxcore_api_url>/api/invoices/verificationViaInvoiceElements`

After the request is sent, TaxCore.API shall return a response with a JSON formatted string containing data as described in the Response section.

## Endpoints

Endpoint	Example
<code>&lt;TaxCore_API_URL_obtained_from_certificate_as_e; <a href="#">here</a>&gt;/api/invoices/verificationViaInvoiceElements</code>	<code>https://api.coral.demo.taxcore.dti.rs/api</code>

### ⚠ Warning:

Development and production environments, as well the environments in different countries, have different URLs. For this reason, URLs and names in your documentation, code and UI should not be hardcoded but configurable or extracted from a digital certificate.

## Method

POST

## Header

Add the following HTTP headers to each request

- TaxCoreAuthenticationToken: `<token-value-returned-from-Request-Authentication-`

- Token-method>
- Accept: application/json
- Content-Type: application/json

# Authentication

Valid TaxCore authentication token is passed through request headers

# Request

The request contains the required fields which can be seen in the Invoice journal.

Field	Type	Optional/Mandatory	Description
<b>invoiceNumberSe</b>	string	Mandatory	<a href="#">SDC invoice number</a> (MinLength=19, MaxLength=40)
<b>invoiceCounter</b>	string	Mandatory	<a href="#">Invoice counter</a> (MinLength=5, MaxLength=30)
<b>totalAmount</b>	decimal	Mandatory	Total amount of the invoice
<b>sdcDateTime</b>	DateTime	Mandatory	Date and Time of SDC <a href="#">SDC date and time</a> that is printed on the journal, ISO 8601 format

# Example

```
{  
  "invoiceNumberSe": "MEACACPY-MEACACPY-75",  
  "invoiceCounter": "75/123NS",  
  "totalAmount": "20.00",  
  "sdcDateTime": "2022-05-17T10:46:51.910Z"  
}
```

# Response

The response contains invoice details in JSON format.

For detailed information about all response objects, see the [Create Invoice](#) article from Technical Instruction for EFD Vendors.

# Example

```
{
```

```

"Request": {
  "dateAndTimeOfIssue": "2022-05-17T10:46:45.286Z",
  "cashier": "123456789",
  "buyerId": "RS34564565",
  "buyerCostCenterId": "567546",
  "invoiceType": "Normal",
  "transactionType": "Sale",
  "payment": [
    {
      "amount": 68.46,
      "paymentType": "Cash"
    }
  ],
  "invoiceNumber": "80/2.0.0",
  "referentDocumentNumber": "",
  "options": {
    "omitQRCodeGen": "1",
    "omitTextualRepresentation": "0"
  },
  "items": [
    {
      "name": "Sport-100 Helmet, Blue",
      "quantity": 2,
      "unitPrice": 10.00,
      "labels": [
        "A"
      ],
      "totalAmount": 20.00
    }
  ]
},
"Result": {
  "requestedBy": "MEACACPY",
  "sdcDateTime": "2022-05-17T10:46:51.910903+12:00",
  "invoiceCounter": "75/123NS",
  "invoiceCounterExtension": "NS",
  "invoiceNumber": "MEACACPY-MEACACPY-75",
  "taxItems": [
    {
      "categoryType": 0,
      "label": "A",
      "amount": 1.8000,
      "rate": 9,
      "categoryName": "VAT"
    }
  ],
  "verificationUrl": "https://frontendui.test.taxcore.dti.rs/v/?vl=AldIS1Y4V0pIR0ZCMzhUTzAQA",
  "verificationQRCode": null,
  "journal": "===== FISCAL INVOICE =====\r\n

```

```

TIN: HIHKLIKJ\r\n
Company: Fiskalizacija doo\r\n
Store: Fiskalizacija doo\r\n
Address: Milinka Milinkovica 44\r\n
District: Vinca\r\n
Cashier TIN: 123456789\r\n
POS Number: 80/2.0.0\r\n
POS Time: 17/05/2022 10:46:45\r\n
-----NORMAL SALE-----\r\n
Items\r\n
=====
Name Price Qty. Total\r\n
Sport-100 Helmet, Blue (A) \r\n
10.00 2 20.00\r\n
-----\r\n
Total Purchase: 68.46\r\n
-----\r\n

```

Cash: 68.46\r\n  
=====\r\n  
Label Name Rate Tax\r\n  
A VAT 9.00% 1.80\r\n  
-----\r\n  
Total Tax: 1.80\r\n  
=====\r\n  
SDC Time: 17/05/2022 10:46:51\r\n  
SDC Invoice No: MEACACPY-MEACACPY-75\r\n  
Invoice Counter: 75/123NS\r\n  
=====\r\n  
===== END OF FISCAL INVOICE =====\r\n",

```
"messages": "Success",  
"signedBy": "MEACACPY",  
"encryptedInternalData": "aoo+90CMgbe+a10QyeJt44DqbE8KyBh9fj49saQNr3XcMRgHz+IE1oagmebqVucjM  
"signature": "YE6eOSCGzaz/eCVzeLQHvD02zWBBEOfnQhFriY1jNmaEbHi+7j910/vXd47ui6qvKtYp+pahbbRz  
"totalCounter": 123,  
"transactionTypeCounter": 75,  
"totalAmount": 20.00,  
"taxGroupRevision": 2,  
"businessName": "Shtelovanje doo",  
"tin": "HIHKLIKJ",  
"locationName": "Shtelovanje doo",  
"address": "Milinka Milinkovica 44",  
"address": "Vinca",  
"mrc": "0099-0100-GFB38T00"  
}  
}
```