

# REST API Schemas

Ivan Kezić

Version: 1.9

Last Modified: November 03, 2025

**Operations:** *Mark Paid, Reject, Report, Get Fiscalization Status, Search Classification, Check Identifier, XML Validation*

*Note: This document represents a draft version and is subject to ongoing review and updates.*

## Document Revision History

Version	Date	Author	Description of Change
1.0	2025-06-20	Ivan Kezić	<ul style="list-style-type: none"> <li>initial draft version created</li> </ul>
1.1	2025-06-26	Ivan Kezić	<ul style="list-style-type: none"> <li>updated values for <i>PaymentMethod</i> (section 5.1), <i>RejectionReasonType</i> (section 5.2), and <i>InvoiceType</i> (section 5.3)</li> </ul>
1.2	2025-06-26	Ivan Kezić	<ul style="list-style-type: none"> <li>added important note and updated request structure for <code>markPaidWithoutElectronicId</code> and <code>rejectWithoutElectronicId</code> (sections 2.2.1 and 2.3.1)</li> </ul>
1.3	2025-07-10	Ivan Kezić	<ul style="list-style-type: none"> <li>changed data type for <code>ElectronicId</code> from string to int</li> </ul>
1.4	2025-07-28	Ivan Kezić	<ul style="list-style-type: none"> <li>removed <code>oib</code> from <code>rejectWithoutElectronicId</code> request (section 2.3.1)</li> </ul>
1.5	2025-09-02	Ivan Kezić	<ul style="list-style-type: none"> <li>added minor styling changes and cross references for better readability</li> <li>added url for Validation System in section 7</li> <li>added <code>successTimestamp</code> and <code>xmlBytes</code> to all success responses in sections 2.2 and 2.3</li> <li>added error response in section 1 when username or password is incorrect</li> <li>added API endpoint for checking if identifier is registered or not (section 3)</li> <li>added API endpoint for getting fiscalization status (section 4)</li> </ul>
1.6	2025-09-08	Ivan Kezić	<ul style="list-style-type: none"> <li>updated <code>IdentifierType</code> values from string to int (section 5.4)</li> <li>updated <code>MessageType</code> values from string to int (section 5.5)</li> <li>updated <code>StatusId</code> values from string to int</li> </ul>
1.7	2025-09-16	Borna Žaja, Ivan Kezić	<ul style="list-style-type: none"> <li>updated error response structure (4xx / 5xx Not OK) in all requests</li> <li>updated <code>Get Fiscalization Status</code> endpoint from GET to POST (section 4)</li> <li>removed <code>StatusId</code> enumeration and references (section 4)</li> <li>renamed <code>xmlBytes</code> field to <code>encodedXml</code></li> <li>renamed <code>actionTimestamp</code> to <code>fiscalizationTimestamp</code> (section 4)</li> <li>added <code>isSuccess</code> field to <code>Get Fiscalization Status</code> response</li> <li>added <code>isSuccess</code> and <code>fiscalizationTimestamp</code> fields to <code>Mark Paid</code>, <code>Reject</code>, and <code>Report</code> responses (sections 2.2, 2.3, and 2.4)</li> <li>added <code>isSuccess</code> and <code>reportingTimestamp</code> fields to <code>Report</code> responses (section 2.4)</li> <li>added <code>reportingTimestamp</code> field to <code>Report</code> response (section 2.4)</li> </ul>
1.8	2025-09-17	Ivan Kezić	<ul style="list-style-type: none"> <li>renamed <code>rejectionDescription</code> to <code>rejectionReasonDescription</code> in <code>rejectWithoutElectronicId</code> request (section 2.3.2)</li> </ul>
1.9	2025-11-03	Borna Žaja, Ivan Kezić	<ul style="list-style-type: none"> <li>added <code>taxAdministrationSpecifics</code> field to error responses in section 2.1</li> <li>removed "isSuccess" field from some error responses</li> <li>updated response for get fiscalization status with <code>electronicId</code></li> <li>added get fiscalization status without electronic ID response (section ??)</li> <li>added fiscalization error codes table (section 5.6)</li> </ul>

# Contents

<b>1</b>	<b>Authorization</b> . . . . .	<b>4</b>
<b>2</b>	<b>Fiscalization 2.0 Operations</b> . . . . .	<b>4</b>
2.1	Error Responses for MarkPaid and Reject . . . . .	4
2.2	Mark Paid Operations . . . . .	4
2.2.1	Mark Paid without ElectronicId . . . . .	4
2.2.2	Mark Paid with ElectronicId . . . . .	5
2.3	Reject Operations . . . . .	6
2.3.1	Reject without ElectronicId . . . . .	6
2.3.2	Reject with ElectronicId . . . . .	6
2.4	Report Operation . . . . .	7
<b>3</b>	<b>Check Identifier</b> . . . . .	<b>8</b>
<b>4</b>	<b>Get Fiscalization Status</b> . . . . .	<b>9</b>
4.1	Get Fiscalization Status with ElectronicId . . . . .	9
4.2	Get Fiscalization Status without ElectronicId . . . . .	10
<b>5</b>	<b>Common Enumerations</b> . . . . .	<b>11</b>
5.1	PaymentMethod . . . . .	11
5.2	RejectionReasonType . . . . .	11
5.3	InvoiceType . . . . .	11
5.4	IdentifierType . . . . .	11
5.5	MessageType . . . . .	11
5.6	Fiscalization Error Codes . . . . .	12
<b>6</b>	<b>Search Classification</b> . . . . .	<b>12</b>
<b>7</b>	<b>Validation System</b> . . . . .	<b>13</b>

# 1 Authorization

All requests require the following authentication fields:

Field	Description
username	Authentication username
password	Authentication password
companyId	Company identifier
softwareId	Software identifier

## Error Response ( 401 Unauthorized)

When the provided username or password is incorrect, the API will return a 401 Unauthorized error with the following response:

```
1 {
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",
3   "message": "Some error message",
4 }
```

# 2 Fiscalization 2.0 Operations

## 2.1 Error Responses for MarkPaid and Reject

All error responses are structured as follows:

```
1 {
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",
3   "message": "Some error message",
4   "taxAdministrationSpecifics": {
5     "code": "S001",
6     "description": "Sistemska greska prilikom obrade zahtjeva"
7   }
8 }
```

**Note:** taxAdministrationSpecifics field is optional and will be present only when the tax administration provides specific error details which are defined in the table section 5.6.

## 2.2 Mark Paid Operations

### 2.2.1 Mark Paid without ElectronicId

**Endpoint:** POST /api/fiscalization/markPaidWithoutElectronicId

**Important Note:** The value of companyId must be the same as senderIdentifierValue.

**Request:**

```
1 {
2   "username": "user@mail.com",
3   "password": "mystrongpass",
4   "companyId": "1111111111",
5   "softwareId": "software-123",
6   "internalMark": "INV-2025-001",
7   "issueDate": "2025-06-09",
8   "senderIdentifierValue": "1111111111",
9   "recipientIdentifierValue": "2222222222",
10  "paymentDate": "2025-06-15",
11  "paymentAmount": 1250.75,
12  "paymentMethod": "T"
```

13 }

**Note:** For possible values of `paymentMethod`, see section 5.1.

**Response:**

**Success ( 200 OK)**

```
1 {
2   "fiscalizationTimestamp": "2025-06-15T14:30:25Z",
3   "encodedXml": "PD94bWwgdmVyc2lvbj0iMS4wIiB..."
4 }
```

**Error ( 4xx / 5xx Not OK )**

```
1 {
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",
3   "message": "Some error message",
4 }
```

## 2.2.2 Mark Paid with ElectronicId

**Endpoint:** POST /api/fiscalization/markPaid

**Request:**

```
1 {
2   "username": "user@mail.com",
3   "password": "mystrongpass",
4   "companyId": "123456",
5   "softwareId": "software-123",
6   "electronicId": 121111131,
7   "paymentDate": "2025-06-15",
8   "paymentAmount": 1250.75,
9   "paymentMethod": "T"
10 }
```

**Note:** For possible values of `paymentMethod`, see section 5.1.

**Response:**

**Success ( 200 OK)**

```
1 {
2   "fiscalizationTimestamp": "2025-06-15T14:30:25Z",
3   "encodedXml": "PD94bWwgdmVyc2lvbj0iMS4wIiB..."
4 }
```

**Error ( 4xx / 5xx Not OK )**

```
1 {
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",
3   "message": "Some error message",
4 }
```

## 2.3 Reject Operations

### 2.3.1 Reject without ElectronicId

**Endpoint:** POST /api/fiscalization/rejectWithoutElectronicId

**Important Note:** The value of `companyId` must be the same as `recipientIdentifierValue`.

**Request:**

```
1 {
2   "username": "user@mail.com",
3   "password": "mystrongpass",
4   "companyId": "2222222222",
5   "softwareId": "software-123",
6   "internalMark": "INV-2025-001",
7   "issueDate": "2025-06-15",
8   "senderIdentifierValue": "1111111111",
9   "recipientIdentifierValue": "2222222222",
10  "rejectionDate": "2025-06-20",
11  "rejectionReasonType": "U",
12  "rejectionReasonDescription": "Invoice contains incorrect tax calculation."
13 }
```

**Note:** For possible values of `rejectionReasonType`, see section 5.2.

**Response:**

**Success ( 200 OK)**

```
1 {
2   "fiscalizationTimestamp": "2025-06-15T14:30:25Z",
3   "encodedXml": "PD94bWgdmVyc2lvcj0iMS4wIiB..."
4 }
```

**Error ( 4xx / 5xx Not OK )**

```
1 {
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",
3   "message": "Some error message",
4 }
```

### 2.3.2 Reject with ElectronicId

**Endpoint:** POST /api/fiscalization/reject

**Request:**

```
1 {
2   "username": "user@mail.com",
3   "password": "mystrongpass",
4   "companyId": "123456",
5   "softwareId": "software-123",
6   "electronicId": "121111131",
7   "rejectionDate": "2025-06-20",
8   "rejectionReasonType": "U",
9   "rejectionReasonDescription": "Invoice contains incorrect tax calculation."
10 }
```

**Note:** For possible values of `rejectionReasonType`, see section 5.2.

**Response:**  
**Success ( 200 OK)**

```
1 {  
2   "fiscalizationTimestamp": "2025-06-15T14:30:25Z",  
3   "encodedXml": "PD94bWwgdmVyc2lvcj0iMS4wIiB..."  
4 }
```

**Error ( 4xx / 5xx Not OK )**

```
1 {  
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",  
3   "message": "Some error message",  
4 }
```

## 2.4 Report Operation

**Endpoint:** POST /api/fiscalization/eReporting

**Request:**

```
1 {  
2   "username": "user@mail.com",  
3   "password": "mystrongpass",  
4   "companyId": "123456",  
5   "softwareId": "software-123",  
6   "xmlInvoice": "<?xml version='1.0' encoding='Utf-8'...",  
7   "deliveryDate": "2025-06-20",  
8   "isCopy": false,  
9   "invoiceType": "U"  
10 }
```

**Note:** For possible values of invoiceType, see section 5.3.

**Response:**  
**Success ( 200 OK)**

```
1 {  
2   "isSuccess": true,  
3   "reportingTimestamp": "2025-06-15T14:30:25Z",  
4   "encodedXml": "PD94bWwgdmVyc2lvcj0iMS4wIiB..."  
5 }
```

**Error ( 4xx / 5xx Not OK )**

```
1 {  
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",  
3   "message": "Some error message",  
4 }
```

### 3 Check Identifier

**Endpoint:** POST /api/mps/check

**Description:** This endpoint checks if a given identifier is registered in the AMS system and returns its registration status. If the identifier is found, it returns a 200 OK status; otherwise, it returns an appropriate error status.

**Response statuses:**

- **200 OK** — The identifier is registered in the system.
- **4xx / 5xx NOT OK** — Error occurred (e.g., identifier not found, invalid input, server error).

**Example Request:**

---

```
POST /api/mps/check
{
  "username": "user@mail.com",
  "password": "mystrongpass",
  "companyId": "2222222222",
  "softwareId": "software-123",
  "identifierType": 0,
  "identifierValue": "1111111111"
}
```

---

**Note:** For possible values of `identifierType`, see section 5.4.

**Response:**

**Success ( 200 OK)**

---

```
1 {
2 }
```

---

**Error ( 4xx / 5xx Not OK )**

---

```
1 {
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",
3   "message": "Some error message",
4 }
```

---

## 4 Get Fiscalization Status

### 4.1 Get Fiscalization Status with ElectronicId

**Endpoint:** POST /api/fiscalization/status

**Description:** This endpoint retrieves the list of fiscalization statuses for a document using its ElectronicId and MessageType.

**Response statuses:**

- **200 OK** — Fiscalization statuses retrieved successfully.
- **4xx / 5xx NOT OK** — Error occurred (e.g., fiscalization statuses not found, invalid input, server error).

**Example Request:**

```
POST /api/fiscalization/status
{
  "username": "user@mail.com",
  "password": "mystrongpass",
  "companyId": "2222222222",
  "softwareId": "software-123",
  "electronicId": 121111131,
  "messageType": 0
}
```

**Note:** For possible values of `messageType`, see section 5.5.

**Response:**

**Success ( 200 OK)**

```
1 [
2   {
3     "documentId": 987654321,
4     "fiscalizationRequestId": "d290f1ee-6c54-4b01-90e6-d701748f0851",
5     "dateOfFiscalization": "2025-06-20T16:45:30Z",
6     "isSuccess": false,
7     "message": "Fiscalization successful.",
8     "encodedXml": "PD94bWwgdmVyc2lvcj0iMS4wIiB...",
9     "errorCode": "S001",
10    "errorCodeDescription": "Sistemska greska prilikom obrade zahtjeva"
11  },
12  {
13    "documentId": 987654321,
14    "fiscalizationRequestId": "d290f1ee-6c54-4b01-90e6-d701748f0851",
15    "dateOfFiscalization": "2025-06-20T16:45:30Z",
16    "isSuccess": true,
17    "message": "Fiscalization successful.",
18    "encodedXml": "PD94bWwgdmVyc2lvcj0iMS4wIiB...",
19    "errorCode": null,
20    "errorCodeDescription": null
21  },
22  ...
23 ]
```

**Note:** Response is an array of fiscalization status objects.  
For possible values of `errorCode` and `errorCodeDescription`, see section 5.6.

**Error ( 4xx / 5xx Not OK )**

```
1 {
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",
3   "message": "Some error message",
4 }
```

#### Error ( 401 Unauthorized ) Cases:

1. Invalid username or password
2. Invoice SENDER trying to get fiscalization status as RECIPIENT

```
1 {
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",
3   "message": "Some error message",
4 }
```

## 4.2 Get Fiscalization Status without ElectronicId

**Endpoint:** POST /api/fiscalization/statusWithoutElectronicId

**Description:** This endpoint retrieves the fiscalization status of a document using its FiscalizationRequestId and MessageType.

#### Response statuses:

- **200 OK** — Fiscalization status retrieved successfully.
- **4xx / 5xx NOT OK** — Error occurred (e.g., fiscalization status not found, invalid input, server error).

#### Example Request:

```
POST /api/fiscalization/statusWithoutElectronicId
{
  "username": "user@mail.com",
  "password": "mystrongpass",
  "companyId": "22222222222",
  "softwareId": "software-123",
  "fiscalizationRequestId": "d290f1ee-6c54-4b01-90e6-d701748f0851",
  "messageType": 0
}
```

**Note:** For possible values of `messageType`, see section 5.5.

#### Response:

##### Success ( 200 OK)

```
1 {
2   "documentId": 987654321,
3   "fiscalizationRequestId": "d290f1ee-6c54-4b01-90e6-d701748f0851",
4   "dateOfFiscalization": "2025-06-20T16:45:30Z",
5   "isSuccess": true,
6   "message": "Fiscalization successful.",
7   "encodedXml": "PD94bWwgdmVyc2lvcj0iMS4wIiB...",
8   "errorCode": null,
9   "errorCodeDescription": null
10 }
```

## Error ( 4xx / 5xx Not OK )

```
1 {  
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",  
3   "message": "Some error message",  
4 }
```

## Error ( 401 Unauthorized ) Cases:

1. Invalid username or password
2. Invoice SENDER trying to get fiscalization status as RECIPIENT

```
1 {  
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",  
3   "message": "Some error message",  
4 }
```

## 5 Common Enumerations

### 5.1 PaymentMethod

Value	HR Description
"T"	Transakcijski racun
"O"	Obracunsko placanje
"Z"	Ostalo

### 5.2 RejectionReasonType

Value	Description
"N"	Data discrepancy that does not affect tax calculation
"U"	Data discrepancy that affects tax calculation
"O"	Other

### 5.3 InvoiceType

Value	Description
"U"	An incoming invoice
"I"	An outgoing invoice
"IR"	An outgoing invoice for which an eInvoice was not issued

### 5.4 IdentifierType

Value	Description
0	OIB - Croatian personal identification number
1	GLN Global Location Number

### 5.5 MessageType

Value	Description
0	As SENDER get the status of the fiscalization message
1	As RECIPIENT get the status of the fiscalization message
2	Get the rejection status
3	Get the payment status

## 5.6 Fiscalization Error Codes

Code	Description
None	Nema greške
S001	Sistemska greška prilikom obrade zahtjeva
S002	Lokacija potpisa nije ispravna
S003	Certifikat nije izdan od davatelja usluga s Pouzdanog potpisa, ili je istekao ili je ukinut
S004	Neispravan potpis zahtjeva
S005	Poruka nije u skladu s XML shemom : #element ili lista elemenata koji nisu ispravni po shemi
S006	Pristupna točka nije ovlaštena za dostavu podataka
S007	OIB iz zahtjeva nije formalno ispravan: #vrijednost OIB-a iz upita
S008	Već postoji zabilježen eRačun s istim identifikatorom
S009	Ne postoji zabilježen eRačun
S010	Već postoji zabilježen status odbijanja eRačuna s istim identifikatorom
S011	Nepoznata greška
S012	Ne postoji evidentiran originalni eRačun za koji je dostavljen ispravljeni eRačun

## 6 Search Classification

**Description:** This endpoint allows you to search classification data by either a specific **code** or a descriptive **keyword**.

- **Search by code** — e.g., 01.45.1
- **Search by keyword** — e.g., ovce

### Authentication

All requests must include the **X-API-KEY** header with a valid API key.

- **Header:** **X-API-KEY** — required for authentication
- **Query Parameter:** **searchString** — the value to search for

### Example Requests

#### Search by Code

```
GET api/Fiscalization/GetKpdData?searchString=01.45.1
X-API-KEY: <your-api-key>
```

#### Response

```
1 {
2   "status": "success",
3   "results": [
4     {
5       "code": "01.45.1",
6       "name": "Ovce i koze, žive"
7     },
8     {
9       "code": "01.45.11",
10      "name": "Ovce, žive"
11    },
12    {
13      "code": "01.45.12",
14      "name": "Koze, žive"
15    }
16  ]
17 }
```

```
16 ]
17 }
```

---

### Search by Keyword

---

```
GET api/Fiscalization/GetKpdData?searchString=ovce
X-API-KEY: <your-api-key>
```

---

### Response

---

```
1 [
2   {
3     "code": "01.45",
4     "name": "Ovce i koze, žive; sirovo ovčje i kozje mlijeko i šišana ovčja i
        kozja vuna"
5   },
6   {
7     "code": "01.45.1",
8     "name": "Ovce i koze, žive"
9   },
10  {
11    "code": "01.45.11",
12    "name": "Ovce, žive"
13  }
14 ]
```

---

## Possible Errors

### Error ( 4xx / 5xx Not OK )

---

```
1 {
2   "traceId": "b5feb4c7-5c58-49a9-84fe-891f4f76e659",
3   "message": "Some error message",
4 }
```

---

## 7 Validation System

Website: <https://validate-demo.moj-eracun.hr/>

### Purpose & Functionality

This demo web application allows users to validate XML-formatted electronic invoices before submission. It ensures that invoices follow the correct structure and standards, providing clear feedback on errors.

### User Flow

1. Go to the home page.
2. Upload an XML file and select the validation type.
3. Click **“Validate XML Document”**.

The system then analyzes the file and displays the readability of the document, giving comprehensive validation results with details error messages and line-by-line feedback.

## **Key Features**

- Schema validation for electronic invoices.
- Error reporting with detailed, line-by-line diagnostics.
- Demo environment for testing invoice XMLs before real submission.