

# INTERV tender and offer services

Bellow are provided services for managing tenders and offers.

For easier testing of API set of initial data is provided. You can find it at the end of this document.

## Create new Tender

**All three parameters in body are mandatory**

HTTP request:

```
POST /api/v1/tenders HTTP/1.1
Content-Type: application/json
Content-Length: 113
Host: localhost:8080

{
  "issuerIdNumber" : "CIN112233",
  "description" : "Tender for new project",
  "deadline" : "2020-09-01"
}
```

HTTP response:

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 258

{
  "referenceNumber" : "0000001",
  "description" : "Tender for new project",
  "creationDate" : "2020-08-11",
  "deadline" : "2020-09-01",
  "issuer" : {
    "identificationNumber" : "CIN112233",
    "name" : "InterV"
  },
  "status" : "OPENED"
}
```

## Get existing Tender

*Service for retrieving existing tender based on reference number*

HTTP request:

```
GET /api/v1/tenders/0000001 HTTP/1.1
Host: localhost:8080
```

HTTP response:

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 258

{
  "referenceNumber" : "0000001",
  "description" : "Tender for new project",
  "creationDate" : "2020-08-11",
  "deadline" : "2020-09-01",
  "issuer" : {
    "identificationNumber" : "CIN112233",
    "name" : "InterV"
  },
  "status" : "OPENED"
}
```

## Search Tenders

*Service used for filtering and paginating tenders*

None of the parameters are mandatory. Default values for page number is **1** and page size is **10**. Tenders can be filtered by issuer (**issuerIdNo** request parameter).

HTTP request:

```
GET /api/v1/tenders/search?pageNumber=1&pageSize=5&issuerIdNo=CIN112233 HTTP/1.1
Host: localhost:8080
```

HTTP response:

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 645

{
  "content" : [ {
    "referenceNumber" : "0001",
    "description" : "Construction of houses",
    "creationDate" : "2020-08-11",
    "deadline" : "2020-08-11",
    "issuer" : {
      "identificationNumber" : "CIN112233",
      "name" : "InterV"
    },
    "status" : "CLOSED"
  }, {
    "referenceNumber" : "0000001",
    "description" : "Tender for new project",
    "creationDate" : "2020-08-11",
    "deadline" : "2020-09-01",
    "issuer" : {
      "identificationNumber" : "CIN112233",
      "name" : "InterV"
    },
    "status" : "OPENED"
  } ],
  "pageNumber" : 1,
  "totalPages" : 1,
  "totalElements" : 2
}
```

### Create new Offer

For creating new offer, parameters **tenderReferenceNumber** and **bidderIdNumber** are mandatory while **note** is not.

HTTP request:

```
POST /api/v1/offers HTTP/1.1
Content-Type: application/json
Content-Length: 129
Host: localhost:8080

{
  "tenderReferenceNumber" : "0001",
  "bidderIdNumber" : "SB4435566",
  "note" : "We provide best prices for the quality"
}
```

HTTP response:

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 568

{
  "referenceNumber" : "939c9c04-5997-477a-8099-a203f2be3a91",
  "submissionDate" : "2020-08-11",
  "tender" : {
    "referenceNumber" : "0001",
    "description" : "Construction of houses",
    "creationDate" : "2020-08-11",
    "deadline" : "2020-08-11",
    "issuer" : {
      "identificationNumber" : "CIN112233",
      "name" : "InterV"
    },
    "status" : "OPENED"
  },
  "bidder" : {
    "identificationNumber" : "SB4435566",
    "name" : "Gondor d.o.o"
  },
  "note" : "We provide best prices for the quality",
  "status" : "SUBMITTED"
}
```

### Update existing Offer

Service used for accepting or rejecting offer. Request body contains just one parameter which is mandatory and contains two (enum) values: **ACCEPTED** and **REJECTED**.

There is validation that allow only for offers in status SUBMITTED to be accepted or rejected.

If offer is accepted, all other offers from that tender are rejected, and tender is closed.

HTTP request:

```
PUT /api/v1/offers/123 HTTP/1.1
Content-Type: application/json
Content-Length: 29
Host: localhost:8080

{
  "status" : "ACCEPTED"
}
```

HTTP response:

```
HTTP/1.1 200 OK
Content-Type: application/json
Content-Length: 495

{
  "referenceNumber" : "123",
  "submissionDate" : "2020-08-11",
  "tender" : {
    "referenceNumber" : "0001",
    "description" : "Construction of houses",
    "creationDate" : "2020-08-11",
    "deadline" : "2020-08-11",
    "issuer" : {
      "identificationNumber" : "CIN112233",
      "name" : "InterV"
    },
    "status" : "CLOSED"
  },
  "bidder" : {
    "identificationNumber" : "RE32333",
    "name" : "Mordor Inc."
  },
  "note" : null,
  "status" : "ACCEPTED"
}
```

## Search Tenders

*Service used for filtering and paginating offers*

None of the parameters are mandatory. Default values for page number is **1** and page size is **10**. Tenders can be filtered by bidder (**bidderIdNo** request parameter) or (and) by tender (**tenderRefNo**)

HTTP request:

```
GET /api/v1/offers/search?pageNumber=1&pageSize=5&bidderIdNo=RE32333 HTTP/1.1
Host: localhost:8080
```

HTTP response:

HTTP/1.1 200 OK  
Content-Type: application/json  
Content-Length: 625

```
{
  "content" : [ {
    "referenceNumber" : "123",
    "submissionDate" : "2020-08-11",
    "tender" : {
      "referenceNumber" : "0001",
      "description" : "Construction of houses",
      "creationDate" : "2020-08-11",
      "deadline" : "2020-08-11",
      "issuer" : {
        "identificationNumber" : "CIN112233",
        "name" : "InterV"
      },
      "status" : "CLOSED"
    },
    "bidder" : {
      "identificationNumber" : "RE32333",
      "name" : "Mordor Inc."
    },
    "note" : null,
    "status" : "ACCEPTED"
  } ],
  "pageNumber" : 1,
  "totalPages" : 1,
  "totalElements" : 1
}
```

# Initial data

## Tenders

Reference number	Issuer number	Description	Status
0001	CIN112233	Construction of houses	OPENED

## Issuers

Identification number	Name
CIN112233	InterV
SRE000000001	Construction Stars
LTI91911911S44	IT Guru

## Bidders

Identification number	Name
999111999	Marko Nikolic Ltd.
RE32333	Mordor Inc.
SB4435566	SB4435566

## Offers

Reference number	Tender	Bidder	Status
123	0001	RE32333	SUBMITTED
456	0001	SB4435566	SUBMITTED