

“CreditReporting” REST/JSON service

Interface #1: searchCompany

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Purpose: Search a company in IGK database using internalID, name, address and legal identifier.

Interface address : <https://online.igkservice.lv/rscr/searchCompany>

Request method : POST

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Overview

For searching a company in IGK database it is necessary to have company data at least in one of the following combinations:

- (1) igk number (internalID)
- (2) country and legal identifier
- (3) name and address

Notes for searching:

- wildcard symbol % is available for {name, zipCode, city, identifier}
- country is set by code from ISO 3166-1 alpha-2
- country, city, zipCode all define operational address
- identifier may be clarified by its typeOfIdentifier
- typeOfIdentifier is one of {IGKNO, REGNO, TAXNO, STATNO} meaning respectively IGK internal code, Registration code, VAT code, Statistics code; if empty, all {REGNO, TAXNO, STATNO} identifiers are considered
- maxResults restricts number of companies in response; if not set, default value for the customer is taken (usually 50)
- all entered parameters are applied with AND condition, to narrow down selection

1. Request structure

1.1. Request parameters:

Parameter name	Type	Required	Explanation
name	string	optional	required if no “identifier”
identifier	string	optional	required if no “name”
typeOfIdentifier	string	no	{IGKNO, REGNO, TAXNO, STATNO}
country	string	yes	ISO 3166-1 alpha-2
zipCode	string	no	postal code
city	string	no	city or site name
maxResults	number	no	max number of companies to return

1.2. Request sample:

```
{
  "name": "specim%",
  "country": "LV",
  "city": "Riga",
  "identifier": "34567",
  "typeOfIdentifier": "REGNO",
  "maxResults": 10
}
```

2. Response structure

2.1. Response parameters:

Parameter name	Type	Required	Explanation
searchCompanyResult	object	yes	
responseCode	string	yes	see “3.2. Application response codes”
responseText	string	yes	details for “responseCode”, see 3.2.
searchResults	object	no	
searchResult	object []	yes	
name	string	yes	company full name
sortName	string	yes	company operational name
internalID	object	yes	IGK number
registrationCountry	object	yes	ISO 3166-1 alpha-2
address	object	yes	see 5. for “PostalAddress” object structure
country	string	yes	ISO 3166-1 alpha-2
zipCode	string	no	postal code
city	string	yes	city or site name

			addressItem1	number	no	street address
			addressItem2	string	no	not used here
			addressItem3	string	no	not used here
			telephone	object	no	see 5. for "Telephone" object structure
			fax	object	no	see 5. for "Telephone" object structure
			identifiers	object	no	
			companyIdentifier	object []	no	see 5. for "CompanyIdentifier" object structure
			type	string	yes	{IGKNO,REGNO,TAXNO,STATNO}
			description	string	yes	.
			identifier	string	yes	value of

2.2. Response sample

```
{
  "searchCompanyResult": {
    "responseCode": "OK",
    "responseText": "Results number: 1",
    "searchResults": {
      "searchResult": [{
        "name": "Specimen SIA",
        "sortName": "SPECIMEN",
        "internalID": "018-900-684",
        "registrationCountry": "LV",
        "address": {
          "country": "LV",
          "zipCode": "LV-1046",
          "city": "Riga",
          "addressItem1": "Valentinas 3/5",
          "addressItem2": null,
          "addressItem3": null,
          "telephone": null,
          "fax": null
        },
        "identifiers": {
          "companyIdentifier": [{
            "type": "REGNO",
            "description": "Registration Code",
            "identifier": "1234567890"
          }]
        }
      }]
    }
  }
}
```

3. Response status codes

3.1. Http response status codes:

Status code	Description	Explanation
200	ok	Successful or correct return
400	Bad request	Error in request, see "responseCode Text" for details
303	See other	Cannot process, see "responseCode Text" for details
500	Server Error	Service error, see "responseCode Text" for details

3.2. Application response codes

responseCode / responseText	Explanation
OK / Results number: <number-of-results>	Successful return
NotFound/ Requested: Name=<name>, AddrCountry=<country>, ZipCode=<zipCode>, City=<city>, Identifier <typeOfIdentifier>=<identifier>.	Correct return: nothing was found
TooManyResults/ Requested: Name=<name>, AddrCountry=<country>, ZipCode=<zipCode>, City=<city>, Identifier <typeOfIdentifier>=<identifier>, max=<maxResults>.	Unsuccessful return: maximum number of results exceeded
BadRequest / - No "authHeader" httpHeader. - Cannot unmarshal "authHeader" to JSON object. - AuthHeader: username is not set. - AuthHeader: password is not set. - "Country" mandatory value is not set. - "Country" has wrong value: "<value-from-request>". - "TypeOfIdentifier" is set for empty Identifier. - "TypeOfIdentifier" has wrong value: "<value-from-request>". - "Identifier" has wrong value/format: "<value-from-request>". - Both "Name" and "Identifier" are not set. - "MaxResults" has wrong value: <value-from-request>. - "MaxResults" has wrong value: <value-from-request> > <value-for-customer> (user "<username>").	Incorrect request parameters
ServerError / <program exception message>	Unexpected program error

4. Authentication

Authentication should be provided by the client in "authHeader" header of the request - as JSON presentation of AuthHeader object.

```
public class AuthHeader {
    String username, password;
    public String toJsonString() {
        return "{\"username\":\""+username+"\", \"password\":\""+password+"\"}";
    }
}
```

Example of the client code:

```
Client client = ClientBuilder.newClient();
WebTarget webTarget = client.target(BASE_URI);
WebTarget resource = webTarget.path("searchCompany");
Invocation.Builder builder = resource.request(MediaType.APPLICATION_JSON);
builder.header("authHeader", _authHeader.toJsonString());
```

5. Common-use structures

“PostaAddress” object

Parameter name	Type	Required	Explanation
country	string	yes	ISO 3166-1 alpha-2
zipCode	string	no	postal code
city	string	no	city or site name
addressItem1	string	no	street address
addressItem2	string	no	
addressItem3	string	no	
telephone	object	no	see “Telephone” object structure
fax	object	no	see “Telephone” object structure

“Telephone” object

Parameter name	Type	Required	Explanation
internationalCode	string	no	phone Country calling code by ITU
areaCode	string	no	phone Area code inside country
number	string	yes	

“CompanyIdentifier” object

Parameter name	Type	Required	Explanation
type	string	yes	{IGKNO,REGNO,TAXNO,STATNO} – internalID, registration, tax-payer, statistics numbers
description	string	no	
identifier	string	yes	value

6. Request examples

6.1. Search by InternalID

```
{
  "identifier": "018-900-684",
  "typeOfIdentifier": "IGKNO"
}
```

6.2. Search by Registration number

```
{
  "identifier": "123%567",
  "typeOfIdentifier": "REGNO"
  "country": "LV"
}
```

6.3. Search by Name & Address

```
{
  "name": "SAM%LE",
  "country": "LV",
  "city": "Riga"
}
```

.end