

“CreditReporting” REST/JSON service

Interface #3: placeOrder

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Purpose: Place an order to get latest report from archive or to prepare updated report.

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

Request method : POST

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Overview

- IGK database keeps latest prepared (or immediate) report on a company
- information about availability of existing report is returned in company details (interface 2), which include “dateOfLastUpdate” and “dateOfLastBalanceSheet” values
- immediate report can be ordered by the interface request having “withUpdate” parameter set to “false”; interface returns the reference ID of new order in status “Finished”, meaning the report can be taken by subsequent request to interface 4/getCompanyReport.
- for taking existing report on a company it is necessary to point its IGK number – unique internal ID in IGK database; this IGK number may be obtained from result of search operation (interface 1) or might be already known from previous contacts with IGK

- for placing an order to prepare updated (or research) report it is necessary to have company data at least in one of the following combinations:
 - (1) IGK number
 - (2) company name and full address
 - (3) company name, country, city, legal identifier
- if IGK number is not known, request (3) with legal identifier is preferred
- request for research report must contain “withUpdate” parameter set to “true”; in response the interface returns reference ID of new order in status “Received”

1. Request structure

1.1. Request parameters:

Parameter name	Type	Required	Explanation
companyName	string	optional	required if no "internalID"
internalID	string	opt	IGK internal code, required if: - no "companyName" - "withUpdate" is set to "false"
address	object	opt	required if no "internalID"
country	string	yes	ISO 3166-1 alpha-2
zipCode	string	no	postal code
city	string	yes	city or site name
addressItem1	string	opt	street address, required if no "additionalIdentifiers"
telephone	object	no	
internationalCode	string	no	phone Country calling code by ITU
areaCode	string	no	phone Area code inside country
number	string	yes	phone number
fax	object	no	
internationalCode	string	no	phone Country calling code by ITU
areaCode	string	no	phone Area code inside country
number	string	yes	phone number
additionalIdentifiers	object	no	
companyIdentifier	object []	no	maximum 3 objects
type	string	yes	{IGKNO,REGNO,TAXNO,STATNO} - internalID, registration, tax-payer, statistics numbers
identifier	string	yes	
maxCreditAmount	number	no	requested credit amount
maxCreditCurrency	string	opt	required if "maxCreditAmount" is set
question	string	no	other information related to the order
consumerOrderReference	string	no	
emailToNotify	string	no	if differs from Customer's default email from contract
productCode	string	yes	{CR-RPT,...} - availability is defined by Customer's contract
language	string	no	ISO language code, EN by default
reportMimeType	string	no	{application/pdf, application/json, text/xml, text/html} from Customer's contract by default
withUpdate	boolean	no	false - order to take existing report (default), true - order to prepare updated report
deliverySpeed	string	yes	{normal, flash, superflash} - terms are defined by contract

1.2. Request sample:

```
{
  "companyName": "SAMPLE Company",
  "address": {
    "country": "LV",
    "city": "Riga",
    "telephone": {
      "internationalCode": "371",
      "number": "11111111"
    }
  },
  "additionalIdentifiers": {
    "companyIdentifier": [{
      "type": "REGNO",
      "identifier": "LV40103348084"
    }]
  },
  "maxCreditAmount": 100000.0,
  "maxCreditCurrency": "EUR",
  "question": "Do not contact the company",
  "consumerOrderReference": "123.4567",
  "emailToNotify": "a.aaa@specimen.aaa",
  "productCode": "CR-RPT",
  "language": "EN",
  "reportMimeType": "application/pdf",
  "withUpdate": true,
  "deliverySpeed": "superflash"
}
```

2. Response structure

2.1. Response parameters:

Parameter name	Type	Required	Explanation
placeOrderResult	object	yes	
responseCode	string	yes	see "3.2. Application response codes"
responseText	string	yes	details for "responseCode", see 3.2.
orderStatus	object	no	see 5. for "OrderStatus" object structure

2.2. Response sample

```
{
  "placeOrderResult": {
    "responseCode": "OK",
    "responseText": "OK",
    "orderStatus": {
      "providerOrderReference": "B-LV-200416121604.47",
      "consumerOrderReference": "123.4567",
      "productCode": "CR-RPT",
      "provider": {
        "partyID": "IGK-LV",
        "name": "IGK Service SIA",
        "email": "office@igkservice.lv",
        "webAddress": null,
        "contactInformation": {
          "country": "LV",
          "zipCode": "LV-1057",
          "city": "Riga",
          "addressItem1": "Lokomotives 34",

```

```
        "addressItem2": null,
        "addressItem3": null,
        "telephone": {
            "internationalCode": "371",
            "areaCode": null,
            "number": "7323460"
        },
        "fax": {
            "internationalCode": "371",
            "areaCode": null,
            "number": "7820380"
        }
    },
    "consumer": {
        "partyID": "TST-AG",
        "name": "Test Party - No restrictions in CRWA",
        "email": null,
        "webAddress": null,
        "contactInformation": {
            "country": null,
            "zipCode": null,
            "city": null,
            "addressItem1": null,
            "addressItem2": null,
            "addressItem3": null,
            "telephone": null,
            "fax": null
        }
    },
    "originalRequest": {
        "name": "SAMPLE Company",
        "sortName": null,
        "internalID": "UNSPECIFIED",
        "registrationCountry": null,
        "principalAddress": {
            "country": "LV",
            "zipCode": null,
            "city": "Riga",
            "addressItem1": "n/a",
            "addressItem2": null,
            "addressItem3": null,
            "telephone": {
                "internationalCode": "371",
                "areaCode": null,
                "number": "11111111"
            },
            "fax": null
        },
        "identifiers": {
            "companyIdentifier": [{
                "type": "REGNO",
                "description": null,
                "identifier": "LV40103348084"
            }]
        },
        "activities": null,
        "dateOfLastUpdate": null,
        "dateOfLastBalanceSheet": null
    },
    "reportLanguage": "EN",
    "reportMimeType": "application/pdf",
    "question": "Do not contact the company",
    "maxCreditAmount": 100000.0,
    "maxCreditCurrency": "EUR",
    "maxCreditComment": null,
    "emailToNotify": "a.aaa@specimen.aaa",
    "deliverySpeed": "Superflash",
    "ordered": 7221347521483406464,
    "requestedDelivery": null,
    "statusCode": "RECEIVED",
```

```

        "statusChanged": 7221347521483406464,
        "delivered": null,
        "reportedCompany": null,
        "negativeReason": null,
        "negativeComment": null
    }
}
}

```

3. Response status codes

3.1. Http response status codes:

Status code	Description	Explanation
200	ok	Successful 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 / OK	Successful return
BadRequest / - No "authHeader" httpHeader. - Cannot unmarshal "authHeader" to JSON object. - AuthHeader: username is not set. - AuthHeader: password is not set. - Inconsistent Request: Both InternalID and CompanyName are not set. - Inconsistent Request: No Address for the CompanyName. - Inconsistent Request: Address: No Country for the CompanyName. - Inconsistent Request: Address: No City for the CompanyName. - Inconsistent Request: Address: No Street for the CompanyName. - Inconsistent Request: No MaxCreditCurrency for the MaxCreditAmount. - Inconsistent Request: No MaxCreditAmount for the MaxCreditCurrency. - Inconsistent Request: No InternalID for WithUpdate=false. - Inconsistent Request: MaxCreditAmount is set for WithUpdate=false. - Inconsistent Request: Question is set for WithUpdate=false. - InternalID has incorrect value/format: "<value-from-request>". - ProductCode: Mandatory value is not set. - ProductCode: Wrong value: "<value-from-request>". - ReportMimeType: Wrong value: "<value-from-request>". - DeliverySpeed: Wrong value: "<value-from-request>".	Incorrect request parameters

<ul style="list-style-type: none"> - AdditionalIdentifiers: Maximum of 3 exceeded. - CompanyIdentifier.Type: Mandatory value is not set. - CompanyIdentifier.Type: Wrong value: "<value-from-request>". - Address.Country: Wrong value: "<value-from-request>". - MaxCreditAmount: Wrong value: "<value-from-request>". - No IMMEDIATE Product <product-from-request> available for ID=<igkno-from-request>. 	
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("placeOrder");
Invocation.Builder builder = resource.request(MediaType.APPLICATION_JSON);
builder.header("authHeader", _authHeader.toJsonString());
```

5. Common-use structures

“OrderStatus” object

Parameter name	Type	Required	Explanation
providerOrderReference	string	yes	code assigned by IGK
consumerOrderReference	string	no	value from request
productCode	string	yes	value from request
provider	object	yes	see “Party” object structure
consumer	object	yes	see “Party” object structure
originalRequest	object	yes	see “Company” object structure
reportLanguage	string	yes	ISO language code
reportMimeType	string	yes	see “reportMimeType” in request

question	string	no	value from request
maxCreditAmount	number	no	value from request
maxCreditCurrency	string	no	value from request
maxCreditComment	string	no	not used here
emailToNotify	string	no	value from request
deliverySpeed	string	yes	value from request
ordered	number*	yes	timestamp the order was placed
requestedDelivery	number*	no	timestamp of deadline
statusCode	string	yes	{RECEIVED, FINISHED, FINISHED_NEGATIVE, CANCELLED} – current order status
statusChanged	number*	yes	timestamp of “statusCode” setup
delivered	number*	no	timestamp of the first reply
reportedCompany	object	no	see “Company” object structure
negativeReason	string	no	not used here
negativeComment	string		report in case of “FinishedNegative” status

* XMLGregorianCalendar value in json

“Company” object

Parameter name	Type	Required	Explanation
name	string	yes	registered name
sortName	string	no	operation name
internalID	string	no	IGK's code
registrationCountry	string	no	ISO 3166-1 alpha-2
principalAddress	object	no	see “PostalAddress” object structure
identifiers	object	no	
companyIdentifier	object []	no	see “CompanyIdentifier” object structure
activities	object	no	
activity	object []	no	see “Activity” object structure
dateOfLastUpdate	string	no	yyyy-mm-dd
dateOfLastBalanceSheet	string	no	yyyy-mm-dd

“Party” object

Parameter name	Type	Required	Explanation
partyID	string	yes	IGK's code
name	string	yes	
email	string	no	
webAddress	string	no	
contactInformation	object	no	see “PostalAddress” object structure

“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	no	

“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

“Activity” object

Parameter name	Type	Required	Explanation
code	string	yes	code from classifier
type	string	yes	{SIC, NACE_1.1, NACE_2} – classifier code
codeDescription	string	no	description from classifier

6. Request examples

6.1. By InternalID, immediate report

```
{
  "internalID": "018-900-684",
  "productCode": "CR-RPT",
  "reportMimeType": "application/pdf",
  "withUpdate": false
}
```

6.2. By InternalID, research report

```
{
  "internalID": "018-900-684",
  "productCode": "CR-RPT",
  "reportMimeType": "application/pdf",
  "withUpdate": true,
  "deliverySpeed": "superflash"
}
```

6.3. By Name & Address, research report

```
{
  "companyName": "SAMPLE Company",
  "address": {
    "country": "LV",
    "city": "Riga",
    "addressItem1": "Valentinas 35"
  },
  "productCode": "CR-RPT",
  "reportMimeType": "application/pdf",
  "withUpdate": true,
  "deliverySpeed": "superflash"
}
```

6.4. By Name & Legal Identifier, research report

```
{
  "companyName": "SAMPLE Company",
  "address": {
    "country": "LV",
    "city": "Riga"
  },
  "additionalIdentifiers": {
    "companyIdentifier": [{
      "type": "REGNO",
      "identifier": "LV40103348084"
    }]
  },
  "productCode": "CR-RPT",
  "reportMimeType": "application/pdf",
  "withUpdate": true,
  "deliverySpeed": "superflash"
}
```

.end