

GTSALIVE

ALIVE Platform

Personalization Center API Integration Manual

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Introduction

The National Card Database (NCDB) is a system designed for online management and verification of ISIC, ITIC and IYTC cards that also supports the workflow of their creation and modification by institutions. This manual addresses how personalization centers can retrieve and process orders through web services.

Processing of orders is done in 3 steps:

1. Retrieve orders in the READY state
(*service GET /rest/1.0/cardOrders*)
2. Retrieve printing data for each order
(*service GET /rest/1.0/cardOrders/{cardOrderId}/cardPrints*)
3. Print cards and mark them as processed in the system
(*service PUT /rest/1.0/cardOrders/{cardOrderId}/cardPrints/{cardOrderEntryId}*)

Web services are realized through REST APIs, authentication is through standard HTTP Basic. Content type for all requests and responses is always application/xml unless specified otherwise.

GET /cardOrders

Return all available card orders matching filter criteria specified via request parameters.

Query Parameters

Name	Type	Required	Multi-value	Description
states	string	no	yes	Card order states
readyDateFrom	date	no	no	Get only orders changed to ready state after this date
processedDateFrom	date	no	no	Get only orders which were processed after this date

Response Body

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<cardOrders>
  <items>
    <cardOrder>
      <cardOrderId>123456</cardOrderId>
      <name>New Cards - July 2016</name>
      <readyDate>2016-07-06T08:40:48.420Z</readyDate>
      <state>READY</state>
    </cardOrder>
  </items>
</cardOrders>
```

Card Order States

The table below defines possible card order states.

Name	Description
CREATED	Initial state. It is possible to add new entries by CI and LA users to orders in this state.
SENT	Order has been sent. CI users can no longer add new entries to such orders, but LA users still can.
READY	Order has been sent to personalization center for processing.
PROCESSED	Order has been processed by personalization center.
ACCOUNTED	Order has been accounted by LA.
ON_THE_WAY	Completed order is on the way to its card issuer.
DELIVERED	Order has been delivered to card issuer. This is the final state in order lifecycle.

GET /cardOrders/{cardOrderId}/cardPrints

Return information about cards in the given order ready to be printed.

Query Parameters

none

Response Body

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<cardPrints>
  <items>
    <cardPrint>
      <address1>Street</address1>
      <address2>Building name, Level</address2>
      <cardDesign>Card design name</cardDesign>
      <cardIssuerLogo>Base 64 encoded issuer logo</cardIssuerLogo>
      <cardIssuerName>Charles University in Prague</cardIssuerName>
      <cardIssuerName1>Printed school name 1st line</cardIssuerName1>
      <cardIssuerName2>Printed school name 2nd line</cardIssuerName2>
      <cardNumber>S 420 001 018 648 L</cardNumber>
      <cardOrderEntryId>10890</cardOrderEntryId>
      <cardOrderId>1239</cardOrderId>
      <cardType>ISIC</cardType>
      <cardSubType>SCHOLAR</cardSubType>
      <cardholderDateOfBirth>01.05.1994</cardholderDateOfBirth>
      <cardholderName>First name</cardholderName>
      <cardholderPhoto>Base 64 encoded cardholder photo</cardholderPhoto>
      <cardholderPrefixTitle>Ing.</cardholderPrefixTitle>
      <cardholderSuffixTitle>MBA</cardholderSuffixTitle>
      <cardholderSurname>Surname</cardholderSurname>
      <cardholderPersonalId>123456789</cardholderPersonalId>
      <chipType>Mifare</chipType>
      <city>Praha</city>
      <country>CZE</country>
      <district>Praha-západ</district>
      <deliveryMethod>POST_STANDARD_LETTER</deliveryMethod>
      <partNumber>SA-420-863</partNumber>
      <requestType>NEW_CARD</requestType>
      <validFrom>2017-09-01</validFrom>
      <validTo>2018-12-31</validTo>
      <postCode>13000</postCode>
    </cardPrint>
  </items>
</cardPrints>
```

Card Order Delivery Methods

Name	Description
ABROAD_DELIVERY	Abroad delivery.
COURIER	Courier service.
PICK_UP	Personal pickup.
POST_REGISTERED_LETTER	Post – registered letter.
POST_STANDARD_LETTER	Post – standard letter.
SCHOOL	Delivery to school (academic institution).

Card Order Request Types

Name	Description
NEW_CARD	New plastic card.
ADDITIONAL_CARD	Additional plastic card to virtual ID.
DUPLICATE_CHIP	Duplicate due to faulty chip.
DUPLICATE_EXTENSION	Duplicate due to faulty chip with validity extension.
DUPLICATE_REPAIR	Duplicate due to issuer error.
DUPLICATE_OTHER	Duplicate due to other reasons.

PUT /cardOrders/{cardOrderId}/cardPrints/{cardOrderEntryId}

Process specified card order entry.

Request Headers

Required (allowed) values of HTTP header.

Header	Value
Content-Type	application/xml

Request Parameters

Name	Type	Required	Multi-value	Description
cardOrderEntryId	int	yes	no	ID of the card order entry to process.
processResult	boolean	yes	no	Process result. <i>true</i> for successful processing, <i>false</i> for failed processing.
processMessage	string	no	no	Process message. Required for <i>false</i> process result.
chipNumber	string	no	no	UID of the RFID chip in the card (in case the processed card has RFID chip).

Request Body

```
<cardPrint>
  <cardOrderEntryId>14558</cardOrderEntryId>
  <processResult>true</processResult>
  <processMessage>OK</processMessage>
  <chipNumber>A1B2C3D4</chipNumber>
</cardPrint>
```

Test Environment

The web service connection should be tested in the test environment before going live.

Test base URL: <https://gts-ncdb.orchitech.net/rest/1.0/>

The username and password will be provided by your ISIC exclusive representative. Access to the production environment will be provided after the successful implementation against the test environment.

Contact

For all support queries, please contact the GTS IT department.

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