



# CheckACode Webservice Technical Specifications

## Contents

<b>General Information</b> .....	2
<b>Calling the Web Service</b> .....	2
<b>Limitations of CheckACode Web Service</b> .....	2
<b>Sample Request URL</b> .....	2
<b>Multiple Code Validations in a Single Request</b> .....	2
<b>Codes and Formats Accepted for Validation</b> .....	2
i.    IATA Numeric Code / Travel Agency:.....	2
ii.   Verification Number / Travel Agent ID Card:.....	2
<b>Web Service Response</b> .....	2
i.    Sample Response for Service Level returning Code Validation Result Only for Agency .....	3
ii.   Sample Response for Service Level returning Code Validation Result Only for ID Card .....	3
iii.  Sample Response for Service Level returning Code Validation Result with Details for Agency.....	3
iv.   Sample Response for Service Level returning Code Validation Result with Details for ID Card .....	3
<b>Status Codes</b> .....	4
<b>Contact IATA</b> .....	4

# CheckACode Webservice Technical Specifications

## General Information

- ✓ CheckACode Webservice is a RESTful API that allows subscribers to perform validations of Travel Agency IATA Numeric Codes and Travel Agent ID Card Verification Numbers
- ✓ The API is accessed securely using HTTPS GET by sending an API Key and a Service Token. Contact [globaldata@iata.org](mailto:globaldata@iata.org) to obtain these
- ✓ The web service response are returned in JSON and XML with specific sets of information based on your service level
- ✓ The hostname of CheckACode Webservice is [globaldata.developer.iata.org](https://globaldata.developer.iata.org)

## Calling the Web Service

Provide Header Arguments:

- x-api-key: API Gateway key provided by IATA via email
- x-service-token: Service token provided by IATA online
- Accept: application/xml (optional)

Note 1: The default response format is JSON. The Header Argument “accept” is only needed if the response is needed in XML

Note 2: Validation services for Travel Agency and ID Card Codes each require a Service Token

## Limitations of CheckACode Web Service

CheckACode Webservice has 2 limitations:

- A monthly quota of requests established based on your subscription level
- A rate limit of 20 calls/sec.

## Sample Request URL

The API will be called as follows:

<https://globaldata.developer.iata.org/v1/checkacode?code=01234567>

## Multiple Code Validations in a Single Request

Validation for up to 20 Codes can be perform in a single request. To do so, the Codes need to be coma separated.

| Sample: <https://globaldata.developer.iata.org/v1/checkacode?code=01234567,12345678,23456789>

Important: Each code counts as one request against your maximum allocation of requests/month

## Codes and Formats Accepted for Validation

- IATA Numeric Code / Travel Agency:**
  - ✓ 7 digits, numeric only
  - ✓ 8 digits, numeric only
  - ✓ 11 digits, numeric only
- Verification Number / Travel Agent ID Card:**
  - ✓ 10 digits, numeric only

## Web Service Response

Response is provided in JSON and XML formats.

Depending on the service level, the response will return more or less information as part of the validation result.

# CheckACode WebService Technical Specifications

- i. Sample Response for Service Level returning Code Validation Result Only for Agency

```
[
  {
    "code": "12345678",
    "last-data-refresh": "201605110616",
    "reason": "Valid"
  }
]
```

- ii. Sample Response for Service Level returning Code Validation Result Only for ID Card

```
[
  {
    "code": "0123456789",
    "last-data-refresh": "201605110616",
    "reason": "Valid"
  }
]
```

- iii. Sample Response for Service Level returning Code Validation Result with Details for Agency

```
[
  {
    "code": "12345678",
    "last-data-refresh": "201605110616",
    "reason": "Valid",
    "agency-name": "SAMPLE AGENCY",
    "approval-date": "6-10-2005",
    "agency-class": "PASSENGER",
    "site-type": "Branch Office",
    "address": "33 MAIN STREET",
    "city": "MONTREAL",
    "postal-code": "HOH 1H2",
    "state": "Quebec",
    "country": "Canada",
    "phone-number": "1 514 874 0202"
  }
]
```

- iv. Sample Response for Service Level returning Code Validation Result with Details for ID Card

```
[
  {
    "code": "0123456789",
    "last-data-refresh": "201605110616",
    "reason": "Valid",
    "cardholder-name": "John Doe",
    "cardholder-position": "Director",
    "card-expiry-date": "6-10-2025",
    "agency-code": "12345678",
    "agency-name": "SAMPLE AGENCY",
  }
]
```

# CheckACode Webservice Technical Specifications

## Status Codes

Requests will return an appropriate status code. A message will describe the specifics of each Code.

Code	Message	Event	Retry <sup>1</sup>
200	Valid	The Code requested is listed in the database	No
200	Code Not Listed	The Code requested does not exist in the database	No
200	CASS Number Required	The CASS number needs to be provided for this request	No
200	Format Invalid	The Code format used in the request is not valid	No
402	Invalid Subscription	The subscription does not exist or is expired – <a href="#">Please Contact IATA</a>	No
403	Forbidden	The API key provided is unrecognized	No
423	Suspended Subscription	The subscription has been suspended – <a href="#">Please Contact IATA</a>	No
426	Monthly Limit Reached	The allocation of requests per month is exhausted – <a href="#">Please Contact IATA</a>	No
429	Too Many Requests	The maximum rate of request is exceeded – Please retry	Yes
503	Service Unavailable	The service is currently unavailable	Yes

<sup>1</sup> Retries:

- Yes: Submit the same request again
- No: Fix the problem on the client side before submitting a new request

## Contact IATA

For more information on CheckACode Webservice, please contact IATA at [globaldata@iata.org](mailto:globaldata@iata.org)