



NATIONAL EXAMINATIONS COUNCIL

NECO e-Verify API Documentation

1. Introduction

Welcome to the eVerify API User Guide. This document provides comprehensive information on how to use our API for Result verification. Please read this guide carefully to make the most of our API services.

2. Base URL

Base URL: https://everify.neco.gov.ng/api_core

3. Authentication

To access our API, you need to include the following headers in your HTTP requests:

- **Authorization:** Bearer token. Include your api-key obtained during user registration.

4. API Endpoints

4.1 Onboard a Merchant

Description: This endpoint allows merchants to onboard new merchants and this would happen on the eVerify portal at https://everify.neco.gov.ng/onboard_inst

The registration form contains the following fields:

- **Institution Name:** The name of the merchant/Institution.
- **Recipient:** The recipient officer (e. Admission Officer).
- **Address:** Institution Address
- **Forwarding Email:** Institutional contact email
- **Phone:** The phone number of the merchant.
- **Administrator:** The administrator/Contact person's full name.
- **User Name:** User name for login into the portal.
- **Password:** Chosen password

This onboarding will create both the institutional profile and user account with which to access the portal. The User account creation will generate API Keys for the user through which the institution can consume the API.

4.2 Register Users and Generate API Keys

Description: Allows merchants to register their developers and generate API Keys and merchant code. This is also available ONLY on the eVerify platform. User logs in through the Institutional User Account and Click Sign-Up for API Usage button. Form contains the following fields:

- User Full Name: Name of user
- User Email: This will be used as login.
- Password: Password chosen for the account
- phone: The phone number of the user.

4.3 Create an Order Request

Endpoint: /tokens

Method: POST

Description: This involve purchasing Verification Token through the e-Verify Platform. Users login and purchase verification token by clicking 'Purchase New Token' button. Payment is then verified on the platform by clicking 'Verify Token Payment' button or verified through this endpoint.

Once payment is successfully verified, the token record is created for the verification request showing the token (is bracket of the Request Description) and a payment reference. These Token, and Payment Reference is needed in the Result Verification endpoints.

Sample Request

```
POST https://everify.neco.gov.ng/api_core/tokens
Headers:
- Authorization: Bearer YourAPIKeyHere

{
  "rrr": "Your Token Here (rrr)",
  "phone": "The payer phone number or the rrr receipt",
  "email": "Payer's email on the rrr receipt"
}
```

Sample Response

```
{
  "status": 200,
  "message": "success",
  "Payment_Reference": "Pay Reference",
  "token": "Remita Retrieval Reference"
}
```

4.4 Result Verification Single

Endpoint: /single

Method: POST

Description: Users can verify results by submitting a verification request. Provides Authorization header with the Bearer token. The body of the request will contain Token, Payment Reference, examination number, exam_type and exam_year. In response, you'll receive a json of successfully processed request with candidate details, subjects and grades.

Note: No report will be generated for API request. ONLY json response will be provided.

- Authorization Bearer token: This is your Api-Key
- token: The Remita Retrieval Reference (RRR) on your payment receipt.
- payref: The payment reference for the order that the user wants to verify.
- examno: The candidate examination number to be verified
- exam_type: The examination type (i.e. SSCEInt or SSCEExt) and
- exam_year: The year of the examination to be verified

Sample Request

```
POST https://everify.neco.gov.ng/api_core/single
Headers:
- Authorization: Bearer YourAPIKeyHere
{
  "token"=> "Your Token Here (rrr)",
  "payref"=>"Your Payment Reference Here",
  "examine"=>"1234567890AB",
  "exam_year"=>2021,
  "exam_type" =>"SSCEINT"
}
```

Sample Response

```
{
  "status": 200,
  "message": "Result verification successful.",
  "details": " An array of candidate details and results"
}
```

This endpoint will return json value for the candidate's details including the results. However, if the student ID or year of certificate is invalid, the endpoint will return an error code.

4.5 Result Verification Bulk

Endpoint: /verify

Method: POST

Description: Users can verify results by submitting a verification request. Provides Authorization header with the Bearer token. The body of the request will contain Token, Payment Reference, examination number, exam_type and exam_year. In response, you'll receive a json of successfully processed request with candidate details, subjects and grades to the return *url* that will be provided.

Note: No report will be generated for API request. ONLY json response will be provided.

- Token: The 12 digits Remita Retrieval Reference (RRR) that the user wants to verify.
- payref: The payment reference for the RRR that the user wants to verify.
- student_ids: A list of the student IDs (examno) with the exam_type and exam_year of the students whose results you want to verify.

```
POST https://everify.neco.gov.ng/api_core/verify
```

```
Headers:
```

```
- Authorization: Bearer YourAPIKeyHere
```

```
{
  "token"=> "Your Token Here",
  "payref"=>"Your Payment Reference Here",
  "student_ids" => [
    {
      "examno"=>"1234567890JT",
      "exam_year"=>2021,
      "exam_type" =>"SSCEINT"
    },
    {
      "examno"=>"1234567890AS
      "exam_year"=>2021,
      "exam_type" =>"SSCEEXT"
    }
  ]
}
```

Sample Response

```
{
  "status_code": 200,
  "message": "Result verification successful.",
  "student_ids_successfully_processed": [
    "1234567890"
  ]
}
```

However, if the student ID or year of certificate is invalid, the endpoint will return an error code. For example, if the student ID is invalid, the endpoint will return a 400 Bad Request error.

5. Error Handling

In case of errors, our API will respond with appropriate HTTP status codes and error messages. Error responses follow this format:

```
{  
  "status": [HTTP Status Code],  
  "error": "Error Message"  
}
```

Possible errors include:

1. **Internal Server Error (500):** Due to system processing error.
2. **Bad Request (400):** Due to wrong inputs or validation.
3. **Authentication Error (401):** Due to invalid credentials.
4. **Authorization Error (403):** Due to insufficient access rights.
5. **Other Specific Errors:** Future errors or new errors not yet defined.

6. Conclusion

Thank you for using the e-Verify API. If you have any questions or need further assistance, please contact our support team at:

Email: e-verify@neco.gov.ng

call: 08069232760
09032224473