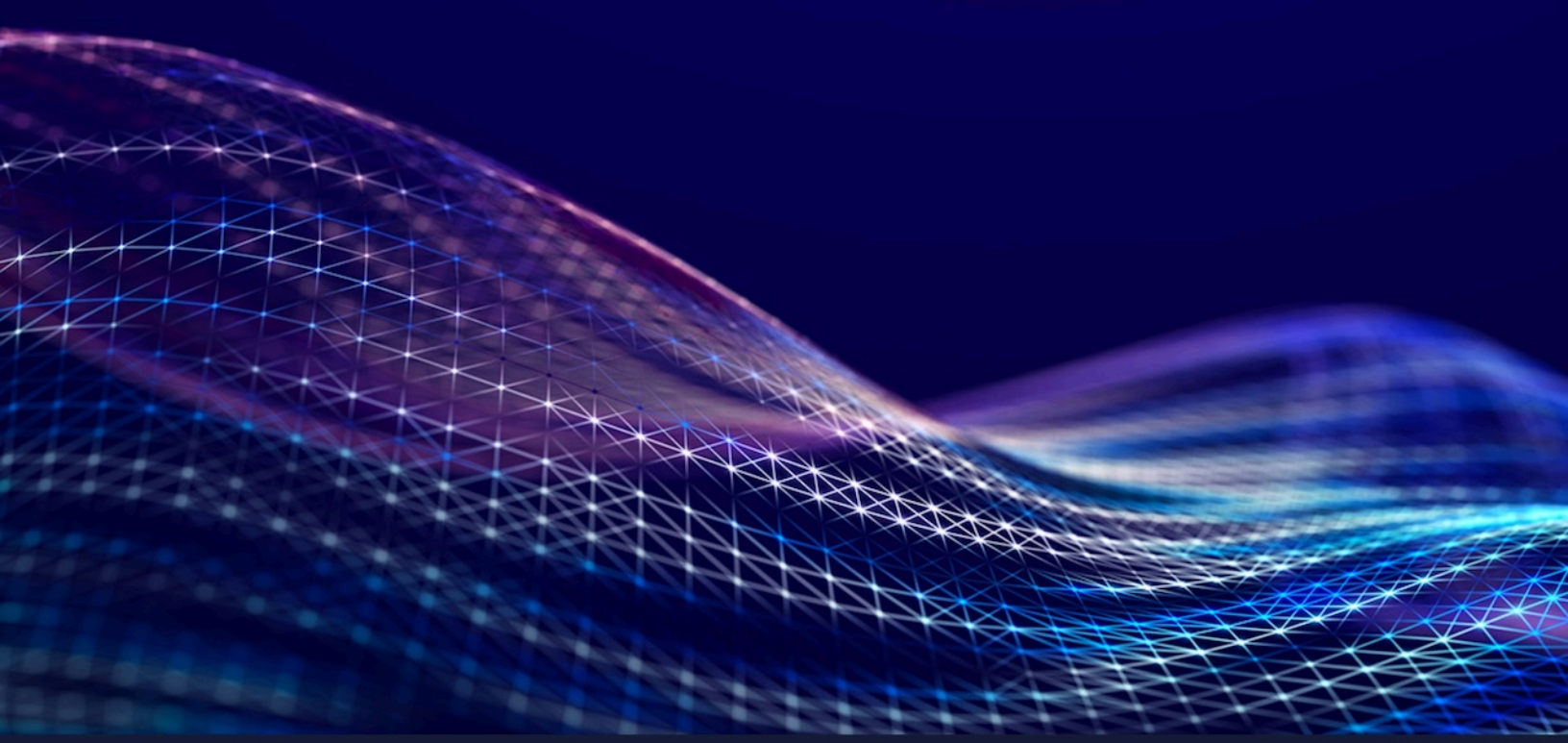

Tungsten Mobile ID Capture

ID Verification and Facial Recognition Administrator's Guide

2026.2

TUNGSTEN AUTOMATION

Table of Contents

Preface

This guide includes the information you need to get up to speed with your application.

Training

Tungsten Automation offers both on-demand and instructor-led training to help you make the most of your product. To learn more about training courses and schedules, visit the Tungsten Automation Learning Cloud.

Getting help with Tungsten Automation products

The Tungsten Automation Knowledge Portal repository contains articles that are updated on a regular basis to keep you informed about Tungsten Automation products. We encourage you to use the Knowledge Portal to obtain answers to your product questions.

To access the Tungsten Automation Knowledge Portal, go to:

https://knowledge.tungstenautomation.com/

The Knowledge Portal is optimized for use with Google Chrome, Mozilla Firefox, or Microsoft Edge.

The Knowledge Portal provides:

- Powerful search capabilities to help you quickly locate the information you need.
  Type your search terms or phrase into the **Search** box, and then select the search icon.
- Product information, configuration details and documentation, including release news.
  To locate articles, go to the Knowledge Portal home page and select the applicable Solution Family for your product, or select the View All Products button.

From the Knowledge Portal home page, you can:

- Access the Tungsten Automation Community (for all customers).
  On the Resources menu, select the **Community** link.
- Access the Tungsten Automation Customer Portal (for eligible customers).
  Go to the Support Portal Information page and select **Log in to the Tungsten Automation Customer Portal**.
- Access the Tungsten Automation Partner Portal (for eligible partners).
  Go to the Support Portal Information page and select **Log in to the Tungsten Automation Partner Portal**.

- Access support commitments, lifecycle policies, electronic fulfillment details, and self-service tools.

  Go to the Support Details page and select the appropriate article.

Related documentation

In addition to this guide, refer to the following documentation:

- *Tungsten TotalAgility Administrator's Guide*: Contains essential information about installing and configuring Tungsten TotalAgility.
- *Tungsten Mobile ID Capture Administrator's Guide*: Contains essential information about installing and configuring the Tungsten Mobile ID Capture.
- *Tungsten Mobile ID Capture Extracted Field Tables Reference*: This is an HTML document with a complete listing of all currently supported ID fields by region and by country.

Product documentation

The Tungsten Mobile ID Capture documentation set consists of guides and help systems to assist you with installing, configuring, and using the product.

Online documentation

The full product documentation set for Tungsten Mobile ID Capture 2026.2 is available online:

https://docshield.tungstenautomation.com/Portal/Products/MobileIDCapture/2026.2-011svb9lqb/MID.htm

Offline documentation

If the security policy for your organization restricts Internet access, you can access the documentation in offline mode while working with Tungsten Mobile ID Capture. If you require offline documentation, use the following steps to download TungstenMobileIDCaptureDocumentation-2026.2_EN.zip.

1. From the Tungsten Automation Fulfillment site, download `TungstenMobileIDCaptureDocumentation-2026.2_EN.zip`.
2. Extract the contents of the .zip file to any folder.

Chapter 1

ID Verification

This section focuses on the ID Verification product. For facial recognition see ID Facial Recognition.

ID Verification overview

- You can verify IDs used for extraction so the user can be confident about using the extraction ID information in their business processes.
- The verification results are returned as separate fields as part of Tungsten Mobile ID Capture's JSON response.
- The ID verification feature is enabled through a specific license ID that must be available on the Tungsten Automation license server.
- Forensic analysis of the format is performed and security features of the ID document are checked.
- Even though ID verification tests can be performed on front images only, it is strongly recommended that both front and back images of the ID be used for ID verification.
- ID extraction is performed using Tungsten Automation technology. The ID verification tests are performed only when ID extraction is successful.
- At-least 500 DPI images are recommended for ID verification tests.
- ID verification only supports JPEG and PNG images.

Configuration with Tungsten Real-Time Transformation Interface

1. Install Tungsten Mobile ID Capture by doing the following:

   If you have already installed the package during Mobile ID installation or configuration, you may skip this step.

   a. Extract `TungstenMobileIDCapture-XXXX.X.ZIP` (where *XXXX.X* is the current version number) to a folder of your choice. All instructions and examples in this guide assume the folder name is `C:\MobileIDCapture`.

   b. Modify the Tungsten Real-Time Transformation Interface `Web.config` file to include the mapping for the Tungsten Mobile ID Capture project, referencing `KofaxMobileIDCapture.fpr` as the project, `IPProfile_MobileIDCapture_ID.txt` as the image processing profile, and set the `separateExtractionProcessPool` option to TRUE as shown in the example below. Both `KofaxMobileIDCapture.fpr` and

`IPProfile_MobileIDCapture_ID.txt` are in the `C:\MobileIDCapture\TM Project` folder.

```
<project projectMapping="MobileIDCapture"
    projectFile="C:\MobileIDCapture\TM Project\KofaxMobileIDCapture.fpr"
    ipProfile="C:\MobileIDCapture\TM Project
    \IPProfile_MobileIDCapture_ID.txt"
    processPoolInitialSize="2"
    processPoolThreshold="1"
    separateExtractionProcessPool="true"
    ipOutputFormat="JPG" />
```

2. Configure Script Variables as follows:

   a. Edit the `KofaxMobileIDCapture_ScriptVariables.xml` file located in an existing Mobile ID installation or, for this example, the file path is `C:\MobileIDCapture\TM Project\KofaxMobileIDCapture_ScriptVariables.xml`.

   b. Configure the following keys with information you collected earlier during the installation and configuration of Mobile ID Verification as their values.

      - Verification_Server
      - Verification_AccessKey
      - Verification_Token
      - EnableVerificationDiagnostics
      - VerificationPassedSegmentCode
      - VerificationFailedSegmentCode
      - VerificationOptionalHeaders
      - VerificationServerDetailsJSON

      When you set these keys, note the following:

      - EnableVerificationDiagnostics: Set to true if you need diagnostics. If not, set to false.
      - VerificationPassedSegmentCode: The default value is 99. You can change this based on the Action code value set in the IDVerified segment name in Verification portal.
      - VerificationFailedSegmentCode: The default value is 60. You can change this based on the Action code value set in the Fraud segment name in Verification portal.
      - VerificationOptionalHeaders: Use this parameter to customize the headers of the verification server, if required.
      - VerificationServerDetailsJSON: Use this parameter to provide multiple endpoint names. Set the parameter using the following syntax:

        ```
        {'EndPoint1':{'HostName':'','AccessKey':'','SecretToken':''},
        'EndPoint2':{'HostName':'','AccessKey':'','SecretToken':''},
        'EndPoint3':{'HostName':'','AccessKey':'','SecretToken':''}}
        ```

        To use a specific verification server, set VerificationServerEndPoint with the EndPoint name associated with the server's host name. For example:

        ```
        VerificationServerEndPoint:"EndPoint1"
        ```

3. Save the file.

Configuration with Tungsten TotalAgility

1. Import the Tungsten Mobile ID Capture Tungsten TotalAgility package.

   If you have already imported the package during Tungsten Mobile ID Capture installation or configuration, you may skip this step.

   a. Log in to the Tungsten TotalAgility Designer.
   b. Navigate to the **Packages** designer.
   c. Select **Import Package**.
   d. Browse to the `TungstenMobileIDCapture.zip` file.
   e. Select **Import** to import the package.
2. Configure Tungsten TotalAgility Server Variables.
   a. Log in to the Tungsten TotalAgility Designer.
   b. Navigate to the **Data** designer.
   c. Select **Server Variables**.
   d. Change the Category Filter to **Kofax SMCs\KofaxMobileID**.
   e. Configure the variables in the table below with information you collected earlier during the installation and configuration of Mobile ID Verification.

      This is a Tungsten TotalAgility variable that is updated with the secure(mask) feature.

      Verification_AccessKey
      - **ID:** VERIFICATION_ACCESSKEY
      - **Category:** KofaxMobileID
      - **Type:** String

        This is a Tungsten TotalAgility variable that is updated with the secure(mask) feature.

      Verification_Server
      - **ID:** VERIFICATION_SERVER
      - **Category:** KofaxMobileID
      - **Type:** String

        This is a Tungsten TotalAgility variable that is updated with the secure(mask) feature.

      Verification_Token
      - **ID:** VERIFICATION_TOKEN
      - **Category:** KofaxMobileID

- **Type:** String

EnableVerification Diagnostics

- **ID:** ENABLEVERIFICATION DIAGNOSTICS
- **Category:** KofaxMobileID
- **Type:** Bool

VerificationPassedSegmentCode

- **ID:** VERIFICATIONPASSEDSEGMENTCODE
- **Category:** KofaxMobileID
- **Type:** String

VerificationFailedSegmentCode

- **ID:** VERIFICATIONFAILEDSEGMENTCODE
- **Category:** KofaxMobileID
- **Type:** String

VerificationOptionalHeaders

- **ID:** VERIFICATIONOPTIONALHEADERS
- **Category:** KofaxMobileID
- **Type:** String(valid json)

VerificationServerDetailsJson

- **ID:** VERIFICATIONSERVERDETAILSJSON
- **Category:** KofaxMobileID
- **Type:** String (valid json)

  Set parameter VerificationServerDetailsJSON with actual values using the following syntax:

```
{'EndPoint1':{'HostName':'','AccessKey':'','SecretToken':''},
'EndPoint2':{'HostName':'','AccessKey':'','SecretToken':''},
'EndPoint3':{'HostName':'','AccessKey':'','SecretToken':''}}
```

Example: To set multiple action code values to parameters VerificationFailedSegmentCode and VerificationPassedSegmentCode, use the following example.

```
VerificationFailedSegmentCode=10,52,60
VerificationPassedSegmentCode=99,89
```

This returns the following for VerificationResult:

- Failed for action codes 10, 52, and 60.
- Passed for action codes 99 and 89.
- Attention for all other action codes.

Request parameters

Input parameters

The following parameters and their valid values are described below. When using Tungsten Real-Time Transformation Interface, all parameters must be prefixed with an 'x,' e.g., the `Verification` parameter should be sent to the server as `xVerification`. When using Tungsten TotalAgility, the parameter names do not require this prefix.

Input Parameter	Description	Default value
`Extraction`	If false is specified, only authentication will be performed.	True
`Verification`	If true, verification will be performed.	False
`ExtractPhotoImage`	If true is specified, the head shot from the document is returned in extraction field `VerficationPhoto64` in response	False
`IDSize`	If `IDSize` is not passed as a parameter, classification will be done and will automatically detect the document type. If " ID1" / "ID2" / "Passport" / "GreenID" is specified, no classification will be done before passing the document to verification server	empty
`VerificationServerEndpoint`	Specify the Endpoint name provided in the `VerificationServerDetailsJson` variable. The Verification request will sent to this End Point. Example: `VerificationServerEndPoint:"EndPoint1"`	empty
`ForceVerification`	The new `ForceVerification` parameter sends documents for AID verification even though the Classification has failed. This overrides the existing Verification functionality. The `IDType` parameter must be specified. The `EnableSideCorrection` parameter is ignored.	empty

Input Parameter	Description	Default value
`PassthroughToAID`	When enabled, image processing, classification, and extraction is done at the `AuthenticID` server instead of the Tungsten Automation server. The default value is false to use the Tungsten Automation server. The following variables are also affected by AuthenticID server processing: • `AutoCropVerification` variable can be set to true to enable image processing at the AuthenticID server. The RAW response from AuthenticID is returned in the `VerificationReserved` field. • `IDSize` variable must be used for license and passport processing because no auto classification is done at the Tungsten Automation server. If this setting is not specified, the default behavior is to perform processing at the AuthenticID server. • `EnableLogging` variable will only log AuthenticID processes when `PassthroughToAID` is enabled.	False

Response fields

The following fields are added to the Tungsten Mobile ID Capture response.

Field Name	Value
`VerificationResult`	Document verification status (Passed/Fraud/Attention/Unknown) This value is a summary of the tests run on the document.
`VerificationTransactionID`	This is a unique ID generated for the transaction by the verification server. This value can be used to identify transactions.
`VerificationPhoto64`	The document holder's photo (head shot) found on the document ID. It is in a base64 string format
`VerificationReserved`	This field is reserved for use by Tungsten Automation.

Field Name	Value
`VerificationErrorInfo`	Information about errors, if there are any. Example : `{"ResponseType":null,"ResponseCode":null, "StatusCode":null,"ErrorMessage": "License 'Mobile ID Capture - ID verification' is not available.", "ErrorType":"Error"}`

Example URL Calls

Samples of URL POST requests for the front and back of a driver license are provided in the `Samples` folder where Tungsten Mobile ID Capture is installed. These samples are described in this section.

Tungsten Real-Time Transformation Interface

The Tungsten Real-Time Transformation Interface sample requires the following:

- A supported version of Tungsten Transformation or later is installed. (Refer to the *Tungsten Mobile ID Capture Technical Specifications*.)
- Tungsten Real-Time Transformation Interface is configured at `http://localhost/MobileSDK`.
- The Transformation project is mapped as IDCapture.
- Verification is installed and configured.

RequestURL

`http://<servername>/mobilesdk/api/IDCapture`

Request Headers

```
Accept: application/json
Content-Type: multipart/form-data; boundary=--------------------------acebdf13572468
```

Request Body

Open `RTTI_Request_Ver.txt` from the `Samples` folder.

Response Body

Open `RTTI_Response_Ver.txt` from the `Samples` folder.

Tungsten TotalAgility for verification

The request body and request response may take a moment to open.

Request URL

`http://<servername>/TotalAgility/Services/SDK/JobService.svc/json/CreateJobSyncWithDocuments`.

Request Headers

```
Accept: application/json
Host: <servername>
Content-Type: application/json
```

Request Body

Open `TA_Request_Ver.txt` from the `Samples` folder.

Response

Open `TA_Response_Ver.txt` from the `Samples` folder.

Chapter 2

ID Facial Recognition

Facial recognition is performed to establish and validate that the person capturing the ID is the real owner of the ID.

The user will submit a selfie portrait image to be compared to the image photograph extracted from the users ID card.

Use of this feature requires a separate Tungsten Automation License.

Configuration

To perform facial recognition, the following software must be configured.

Configuration with Tungsten Real-Time Transformation Interface

Installation of Tungsten Mobile ID Capture: There is no need to install any package as you have already installed the necessary package during the Tungsten ID Verification and Facial Recognition installation.

Configuration with Tungsten TotalAgility

Follow the instructions in this section to use Tungsten ID Verification and Facial Recognition with Tungsten TotalAgility. The Tungsten TotalAgility package includes a process map that can be used to perform facial recognition.

1. Log in to the Tungsten TotalAgility designer.
2. Navigate to the Packages designer.
3. Select Import Package.
4. Browse to the `TungstenMobileIDCapture.zip` file.
5. Select Import to import the package.

Note the following:

- If the `TungstenMobileIDCapture.zip` file was already imported as part of ID verification, there is no need to import it again.
- Configure the Tungsten TotalAgility Server Variables as shown in Configuration with Tungsten TotalAgility.

Request parameters

The following parameters and their valid values are described below. When using Real-Time Transformation Interface, all parameters must be prefixed with an 'x,' e.g., the `TransactionId` parameter should be sent to the server as `xTransactionId`. When using Tungsten TotalAgility, the parameter names do not require this prefix.

Input Parameter	Value
`IdType`	Selfie
`TransactionId`	This is the parameter your mobile application can use to pass the transaction ID to ensure Selfie Match functionality is performed.
`LivenessSelfie`	True or False If the `LivenessSelfie` value is true, the sent image is verified against all selfies present for the specified transaction ID. If any of these verifications fail, the overall result is a failure in the response. If the `LivenessSelfie` value is false, the image sent will be verified against the head shot from the document for the specified transaction ID. The default value is false.

Response fields

The following fields are returned as the selfie response:

Field Name	Value
`FRMatchResult`	Shows the result after matching the two images (Passed/Failed/Attention)
`FRMatchScore`	Shows the score after matching the two images.
`FRTransactionID`	Transaction ID, which was sent in request.
`FRReserved`	Reserved for Tungsten Automation use.
`FRErrorInfo`	Information about errors if there are any. Example : `{"ResponseType":null,"ResponseCode":null, "StatusCode":null,"ErrorMessage": "License 'Tungsten Mobile ID Capture - Facial Recognition' is not available.", "ErrorType":"Error"}`

Example URL Calls

Samples of URL POST requests for the front and back of a driver license are provided in the `Samples` folder where Tungsten Mobile ID Capture is installed. These samples are described in this section.

Tungsten Real-Time Transformation Interface

RequestURL

`http://<servername>/mobilesdk/api/IDCapture`

Request Headers

```
Accept: application/json
Content-Type: multipart/form-data; boundary=--------------------------acebdf13572468
```

Request Body

Open `RTTI_Request_FR.txt` from the `Samples` folder.

Response Body

Open `RTTI_Response_FR.txt` from the `Samples` folder.

Tungsten TotalAgility

The request body and request response may take a moment to open.

Request URL

`http://<servername>/TotalAgility/Services/SDK/JobService.svc/json/CreateJobSyncWithDocuments`

Request Headers

```
Accept: application/json
Host: <servername>
Content-Type: application/json
```

Request Body

Open `TA_Request_FR.txt` from the `Samples` folder.

Response

Open `TA_Response_FR.txt` from the `Samples` folder.

Chapter 3

Face Match

Supports comparison of two face images.

Request parameter:

```
IdType: FaceMatch
```

Example URL Calls

Samples of URL POST requests for the face match are provided in the `Samples` folder where Tungsten Mobile ID Capture is installed. These samples are described in this chapter.

Real-Time Transformation Interface

RequestURL

```
http://<servername>/mobilesdk/api/IDCapture
```

Request Headers

```
Accept: application/jsonContent-Type: multipart/form-data;
 boundary=--------------------------acebdf13572468
```

Request Body

Open `RTTI_Request_FaceMatch.txt` from the `Samples` folder.

Response Body

Open `RTTI_Response_FaceMatch.txt` from the `Samples` folder.

TotalAgility

The request body and request response may take a moment to open.

Request URL

```
http://<servername>/TotalAgility/Services/SDK/JobService.svc/json/
CreateJobSyncWithDocuments
```

Request Headers

```
Accept: application/jsonHost: <servername>Content-Type: application/json
```

Request Body

Open `TA_Request_FaceMatch.txt` from the `Samples` folder.

Response

Open `TA_Response_FaceMatch.txt` from the `Samples` folder.

Chapter 4

AuthenticID support

You can use Mobile ID Capture with AuthenticID to check the validity of documents. Mobile ID Capture receives responses from AuthenticID on whether the scanned documents pass or fail validation. The results are processed by the Tungsten TotalAgility project. You can customize the project to meet your business needs.

This chapter explains how Mobile ID Capture uses AuthenticID and provides information on how to customize the Tungsten TotalAgility project. Refer to the AuthenticID documentation for information about validation and detection.

Response fields for AuthenticID

Mobile ID Capture receives values from AuthenticID fields and returns values in the following Mobile ID Capture response fields for Tungsten TotalAgility and Tungsten Real-Time Transformation Interface.

- `VerificationSubmissionErrorResult`
- `VerificationSubmissionErrorResultReason`
- `VerificationCaptureQualityResult`
- `VerificationCaptureQualityResultReason`

The result response fields can receive `Passed` or `Failed`. If a verification failed, refer to the reason response field to view the data transferred from AuthenticID. This data contains the series codes and other data related to the failure. You can develop the appropriate workflows based on those codes. Refer to the *Standard DQL JSON Outputs* document, which is available from AuthenticID.

Details about failed transactions are available in the AuthenticID CatfishAir Identity Decisioning Engine console.

Tungsten TotalAgility workflow for AuthenticID

Mobile ID Capture provides a sample workflow for Tungsten TotalAgility. This default workflow can trigger a job, and users also have the option to customize their own workflow. A user exit node is triggered when AuthenticID sends a Failed response. To use this workflow, import the `MIDTriggerWorkflow.zip` package.

Note the following when using this workflow:

- This workflow is a normal business process. It is not recommended for sync process maps.

- The user exit feature is only available for Tungsten TotalAgility. It is not supported by Tungsten Real-Time Transformation Interface.

The workflow has the following parameters:

- `EnableWorkFlow`: Enables the workflow. If you set this parameter to **true**, Mobile ID Capture will check if the AuthenticID response has failed and initiates a new workflow. If the value is **false**, Mobile ID Capture will not trigger any workflow. The default value is false.
- `WorkFlowProcessName`: The name of the process you created.
- `WorkFlowServer`: The name of the server where your process is run.
- `WorkFlowSessionID`: The session ID used to create a workflow.

If `AuthenticIDResult` gets a response that indicates failed verification, the user exit node is triggered by using the Tungsten TotalAgility `CreateJob` API. If `EnableWorkFlow` is set to **true**, a new job for this workflow is started with these initialization variables. Tungsten TotalAgility passes information to these variables while creating the job. These variables are required.

- `TransactionID`: A unique ID generated for the transaction by the verification server. This value can be used to identify transactions.
- `ParentJobID`: Job id of Mobile ID Capture process `KofaxMobileIDCaptureSync`.
- `AuthenticIDResult`: Document verification status consists of a value that summarizes the tests run on the document.
- `AuthenticIdResponse`: The AuthenticID response received from the AuthenticID server.

If any of these workflow parameters are incorrect, the job will not be triggered, and the following error will be returned in the `VerificationErrorInfo` field.

Field Name	Value
`VerificationErrorInfo`	Information about errors, if there are any. Example : `{"ResponseType":null,"ResponseCode":null,"StatusCode": null,"ErrorMessage":"Issue while creating the Job. One or more errors occurred.","ErrorType":"Error"}`