

WINDA API – Documentation

Version 4.3

Publication date: 10 April 2026



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1. Introduction

1.1 Overview

The WINDA API is structured around the principles of REST, offering a flexible and standardised approach to accessing its functionalities. WINDA API is designed to help partially automate specific tasks within the WINDA platform, enhancing efficiency and reducing manual effort.

Currently, the WINDA API provides eight endpoints, each offering distinct capabilities that can be leveraged for various integrations and operations. Users should also note that the WINDA API has a rate limit in place, ensuring optimal performance and fair usage across all clients, as well as protecting against misuse of the WINDA API.

Due to the changes to the authentication scheme introduced with this version of the WINDA API – Documentation, all previous versions of WINDA API documentation are no longer valid.

1.2 Prerequisites

The WINDA API consumer must be eligible for access. Eligible WINDA API consumers are:

- a. Training Providers,
- b. Wind technician employers,
- c. Members of GWO.

Vendors and subcontractors working on behalf of any of these can be granted access if they are endorsed by an eligible WINDA API consumer.

To enable WINDA API access, contact info@globalwindsafety.org with an enablement request.

This request should specify a list of accounts (email addresses) requiring authentication for WINDA API calls.

All new WINDA API consumers are required to test against WINDA API Test. Exempted from this condition are new WINDA API consumers utilising a standard solution already in use by another WINDA API consumer and approved for WINDA API usage.

Approval for access to WINDA API Prod will only be granted following successful testing in WINDA API Test with GWO possibly requiring supporting test documentation (e.g. test cases, test results)

Include an estimate of expected daily WINDA API calls per account, as GWO will use this information to set rate limits. Below is a template for the access request.



1.3 WINDA API Access Request Template

Potential API users should utilise the email template provided to request access to the WINDA API. Using this template will ensure that you provide the necessary information to GWO to process your request.

Organisations should self-register and subsequently confirm their registration (via the email sent from WINDA) to WINDA Test [here](#) and WINDA Prod [here](#).

Please replace any [info] below with the information applicable to your request.

Template

We [ORG NAME], would like to kindly request WINDA API access for our [Training Provider / Organisation] account.

Request is for access to [WINDA API Test / WINDA API Prod] (WINDA API Prod access requires proven test results from WINDA API Test, except if utilising a standard solution already approved for WINDA API)

- Name: [NAME]
- Email: [EMAIL@example.com]
- User ID: [USER ID]
- Expected WINDA API calls: [Number of expected API calls]
- Existing Training Provider WINDA ID (if TP account access is required): [WINDA ID]
- Administrative Contact: [EMAIL@example.com]
- Technical Contact: [EMAIL@example.com]
- Third party Technical Contact (if applicable): [EMAIL@example.com]
- WINDA API will be accessed from (Technology stack / third party provider): [Tech stack]

Here is a short description of the intended use of WINDA API access:

[Description]



1.4 Practical Suggestions

API client tool

API client tools like Postman, Bruno, Hoppscotch, Insomnia, Yaak, etc. are popular tools for testing and working with APIs.

They offer a simple interface to send requests and view responses, supporting HTTP requests like GET, POST, PUT and DELETE. Endpoints can be tested, and data can be sent in various formats.

Users can debug efficiently with clear request and response details. They also allow users to organise requests into collections, automate tests with scripts, and simulate API workflows, making it an essential tool for developers and testers.

A generic guide for Postman can be found here: [Postman - Get Started](#)

A short-form documentation of the WINDA API and endpoints can be found in the Postman JSON Collection found here: [WINDA API Documentation](#). The JSON collection can be imported to most API client tools.

We highly recommend using an API client tool to familiarise oneself with the WINDA API endpoints and functions.



2. Authentication

2.1 User Authentication

To access the WINDA API Gateway, accounts must be enrolled by GWO. Upon request and when prerequisites are fulfilled, GWO will create the account and a temporary password. An email with a link to set a permanent password through a secure password reset flow will be sent. Once an account has been created, it will be automatically authenticated using JWT tokens.

Step 1: After GWO has created the account, an email will be sent with a link, where the password must be reset:

The screenshot shows a mobile application interface for password reset. At the top left is a '< Cancel' button. In the center is a 3D cube icon above the title 'User Details'. Below the title are two input fields: 'New Password' and 'Confirm New Password', each with a red asterisk on the right. At the bottom is a blue 'Continue' button.

Step 2: After resetting the password, the account can be accessed.

The screenshot shows a mobile application interface for signing in. At the top center is a 3D cube icon above the title 'Sign in'. Below the title is the instruction 'Sign in with your email address'. There are two input fields: 'Email Address' and 'Password'. Below the 'Password' field is a blue link that says 'Forgot your password?'. At the bottom is a blue 'Sign in' button.

After successful login, an authentication token will be issued. This token will be valid for 48 hours. The token will be required to access the WINDA API.



2.2 Identification

The WINDA API endpoints contain an identifier (ID) unique to the user. Please see how to obtain the ID below.

Please note that the ID will be different for the WINDA API Test and the WINDA API Prod.

2.3 Training Provider

Training Providers can locate their ID when accessing the “Upload” tab on the WINDA web application. For this example, the Training Provider ID is “1”:



2.4 Organisation

For organisations, the ID will be returned by GWO to the requestor when access to WINDA API is granted.



3. WINDA API Objects and Endpoints

3.1 Gateway base URLs

WINDA API Test: <https://winda-api-test.globalwindsafety.org/api-gateway/>

WINDA API Prod: <https://winda-api.globalwindsafety.org/api-gateway/>

Please note that the base URLs for the authentication are different from the gateway base URLs, cf. 3.3 Access Token Endpoints

3.2 Access Token Object

Attributes	Object
<i>access_token</i> – string Token for authorisation (token has been shortened for visualisation purposes)	<pre>{ "access_token": " ejnv7AOXrcW3Neik4WiF1k7qYpDI ... UCCrqqdlNEclZfRQcwTX9F5qaHf-GP7A_Pz-- RFhpTnymz5LffBVPixqVDej9lCOwBMpvQcUzFKWTglATDDZwWUj8A", "token_type": "Bearer", "expires_in": "43200", "refresh_token": "eyJraWQiOiJjcGltY29yZV8wOTI1MjAxNSIsIn ... QgPnEDO7xP5s8wdzIYCudiwYaHjJmvqdMWkMTar8RwaD7thCBJ r6yrnVB6cJy_cQcVkonocUXlfVKfkdYsFuXKkCbdis.vM6UXLE7w Cq40l_RUOKmug" }</pre>
<i>Token_type</i> – string Describes the token type (GWO only uses Bearer tokens)	
<i>Expires_in</i> – time Expiration time for the token	
<i>refresh_token</i> – string Token for refreshing expiration (token has been shortened for visualisation purposes)	



Status Codes

Please note that HTTP Status Code can be ambiguous and must be understood and processed together with the message provided.

HTTP status code	Meaning
200	Successfully returns token
400	<ul style="list-style-type: none">- No data breach- Discard is only permitted for draft uploads
401	Request of token with expired or unauthorised credentials
403	Account is not API enabled
429	API request quota exceeded
500	No data breach



3.3 Access Token Endpoints

Please note that the get-token and refresh-token requests is URL-encoded format.

Furthermore, the access token endpoints use their own base URLs, please use:

WINDA API Test: <https://winda-api-test.globalwindsafety.org/>

WINDA API Prod: <https://winda-api.globalwindsafety.org/>

Get access token – POST – access/get-token

This endpoint retrieves an access token and refresh token for a user, given valid credentials (username and password).

Parameter	Response Object
This API call does not have any parameters	<pre>{ "access_token": " ejnv7AOXrcW3Neik4WiF1k7qYPDI ... UCCrqqdINEclZfRQcwTX9F5qaHf-GP7A_Pz-- RFhpTnymz5LffBVPixqVDej9ICOWBMpvQcUzFKWTglATDDZ wWUj8A", "token_type": "Bearer", "expires_in": "xxxx", "refresh_token": "eyJraWQiOiJjcGltY29yZV8wOTI1MjAxNSIsIn ... QgPnEDO7xP5s8wdzIYCudiwYaHjJmvqdMWkMTar8RwaD7t hCBJ r6yrnVB6cJy_cQcVkonoCUXIfVKfkdYsFuXKkCbdis.vM6UXLE 7w Cq40l_RUOKmug" }</pre>
Request Body username – string Email of the user password – string Password of the user Please note that the get-token request is URL-encoded format	
API Call Test cURL --location 'https://winda-api-test.globalwindsafety.org/access/get-token' \ --header 'Content-Type: application/x-www-form-urlencoded' \ --data-urlencode 'username=<email@test.dk>' \ --data-urlencode 'password=<password>'	
Production cURL --location 'https://winda-api.globalwindsafety.org/access/get-token' \ --header 'Content-Type: application/x-www-form-urlencoded' \ --data-urlencode 'username=<email@test.dk>' \ --data-urlencode 'password=<password>'	



Refresh access token – POST – access/refresh-token

This endpoint retrieves an access token, given a valid refresh token.

Parameter	Response Object
This API call does not have any parameters	
Request Body refresh_token – string The refresh token received when calling access/get-token	<pre>{ "access_token": "eyJhbGciOiJSUzI1NiIsImtpZCI6Il... slGq4xQ", "id_token": "eyJhbGciOiJSUzI1NiIsImtpZCI6Ilg1ZVh ... ZhbvWRcabEb0j-Z7IRISTWt-g", "token_type": "Bearer", "not_before": 1731931185, "expires_in": 43200, "expires_on": 1731974385, "resource": "83a63cd9-c323-4611-a7cd- 00716a578449", "id_token_expires_in": 43200, "profile_info": "eyJ2ZXliOiIxLjAiLCJ0a ... oiTG9jYWxvY2NvdW50In0", "scope": "83a63cd9-c323-4611-a7cd-00716a578449 offline_access openid", "refresh_token": "eyJraWQiOiJjcGltY29yZ ... 7Ux.rvU1jS8gchcVJWSeyEbP0w", "refresh_token_expires_in": 86400 }</pre>
API Call Test cURL --location 'https://winda-api-test.globalwindsafety.org/access/refresh-token' \ --header 'Content-Type: application/x-www-form-urlencoded' \ --data-urlencode 'refresh_token=<eyJ ... Kmug>'	
Production cURL --location 'https://winda-api.globalwindsafety.org/access/refresh-token' \ --header 'Content-Type: application/x-www-form-urlencoded' \ --data-urlencode 'refresh_token=<eyJ ... aUtRluwu9A>'	



3.4 The Information Object

This displays a single information object; the response of an API call will return a collection of information objects.

Attributes	Object
<i>id</i> – string Unique identifier of the object	<pre>{ "status": 200, "message": "", "count": 19, "next": null, "previous": null, "records": [{ "id": 127256, "status": "purchased", "description": "API Test", "created_at": "2024-10-18T08:05:48.607000Z", "created_by": "Training Provider One", "purchased_at": "2024-10-18T08:06:13.497000Z", "purchased_by": "Training Provider One", "discarded_at": "0001-01-01T00:00:00.000000Z", "discarded_by": "", "total": 1, "valid": 1, "duplicate": 0, "error": 0 }, ...] }</pre>
<i>status</i> – string Describes status of object (purchased, discarded, pending)	
<i>description</i> – string Name of the object	
<i>created_at</i> – date-time Date of creation of object	
<i>created_by</i> – string Name of creator of object	
<i>purchased_at</i> – date-time Date of purchase of object	
<i>purchased_by</i> – string Name of purchaser of object	
<i>discarded_at</i> – date-time Date object was discarded	
<i>discarded_by</i> – string Name of individual who discarded object	
<i>total</i> – int Number of entries in object	
<i>valid</i> – int Number of valid entries in object	
<i>duplicate</i> – int Number of duplicates in object	
<i>error</i> – int Number of wrong entries in object	



Upload a file - Version 1 – POST training-provider/v1/<tpid>/uploads

This endpoint allows training provider users to upload a .csv file with training records with valid version. An example .CSV file is shown below.

Parameter	Response
<p><i>tpid</i> – int The Training Provider ID</p> <p><i>Description</i> – string The description to apply to the upload</p> <p><i>upload_file</i> - .csv file The CSV file to upload</p>	<pre>{ "id": 127256, "status": "purchased", "description": "API Test", "created_at": "2024-10-18T08:05:48.607000Z", "created_by": "Training Provider One", "purchased_at": "2024-10-18T08:06:13.497000Z", "purchased_by": "Training Provider One", "discarded_at": "0001-01-01T00:00:00.000000Z", "discarded_by": "", "total": 1, "valid": 1, "duplicate": 0, "error": 0 }</pre>
<p>Custom Header</p> <p><i>Access_token</i> – Bearer Token Authorisation token provided by AD B2C</p>	
<p>API Call</p> <p>Test <pre>curl --location 'https://winda-api-test.globalwindsafety.org/api-gateway/training-provider/v1/<tpid>/uploads' \ --header 'Authorization: Bearer <access_token>' \ --form 'description="<description>" \ --form 'file=@"<path_to_upload_file>"'</pre> </p> <p>Production <pre>curl --location --request POST 'https://winda-api.globalwindsafety.org/api-gateway/training-provider/v1/<tpid>/uploads' \ --header 'Authorization: Bearer <access_token>' \ --form 'description="<description>" \ --form 'file=@"<path_to_upload_file>"'</pre> </p>	

Sample .CSV:

Note: Maximum 20.000 Training Records can be uploaded pr. bulk upload.

WINDA ID	Course Code	Facility type	Course Completion Date	Previous Course Valid Until Date	Version
DD580590GB	FA	FIXED Training Facility	12/03/2025		10.018.000.020.240.600
DB527599GB	FA	MOBILE Training Facility	12/03/2025		10.018.000.020.240.600
KK649893GB	CHBU	ONSITE Training Facility	12/03/2025		30.002.000.020.250.500
MM038749GB	FA	MOBILE Training Facility	07/03/2025	07/04/2025	10.018.000.020.240.600
BA420821GB	ART-H	Digital Learning	07/03/2025	07/04/2025	10.004.000.020.230.500
GZ537521GB	ART-HR	ONSITE Training Facility	18/02/2025	18/03/2025	10.005.000.020.250.500
MC038749GB	EFAR	Digital Learning	18/02/2025	18/03/2025	10.005.000.020.230.500
RL649893GB	BTTM	REcognition	18/01/2025		20.010.000.020.250.500
SU038749GB	BTTM	Digital Learning	18/01/2025		20.010.000.020.250.500



Status Codes

Please note that the HTTP Status Code can be ambiguous and must be understood and processed together with the message provided.

HTTP status code	Message
200	"Success"
400	"This upload doesn't have any valid records." "Your query does not conform to the Basic HTTP Authentication Scheme. See https://tools.ietf.org/html/rfc7617 for more information."
401	"HTTP 401 - The access token provided has expired, been revoked or malformed, or is invalid for other reasons." "HTTP/1.1 401 - Unauthorised"
403	"You do not have permission to perform this action." "Payment pending – You do not have permission to perform this action." "Your account is not API enabled."
404	"Not found."
429	"API request quota exceeded."
500	"Something went wrong, please contact an administrator if the problem persists."



Purchase an upload – POST training-provider/<tpid>/uploads/<uid>/purchase

This endpoint allows a training provider to purchase a valid draft upload using the Training Providers' available training credits.

Parameter	Response
<p><i>tpid</i> – int The Training Provider ID</p> <p><i>uid</i> – int The ID of the information object</p>	<pre>{ "id": 127256, "status": "purchased", "description": "API Test", "created_at": "2024-10-18T08:05:48.607000Z", "created_by": "Training Provider One", "purchased_at": "2024-10-18T08:06:13.497000Z", "purchased_by": "Training Provider One", "discarded_at": "0001-01-01T00:00:00.000000Z", "discarded_by": "", "total": 1, "valid": 1, "duplicate": 0, "error": 0 }</pre>
<p>Custom Header</p> <p><i>Access_token</i> – Bearer Token Authorisation token provided by AD B2C</p>	
<p>Returns</p> <p>Returns the information object if successful. It will raise an error if something goes wrong</p>	
<p>API Call</p> <p>Test</p> <pre>curl --location --request POST 'https://test-winda-api-test.globalwindsafety.org/api-gateway/training-provider/<tpid>/uploads/<uid>/purchase' \ --header 'Authorization: Bearer <access_token>'</pre> <p>Production</p> <pre>Curl --location --request POST 'https://winda-api.globalwindsafety.org/api-gateway/training-provider/<tpid>/uploads/<uid>/purchase' \ --header 'Authorization: Bearer <access_token>'</pre>	



Status Codes

Please note that the HTTP Status Code can be ambiguous and must be understood and processed together with the message provided.

HTTP status code	Message
200	"Success"
400	"Purchase only permitted for draft uploads." "You don't have the right to purchase this upload." "You have insufficient credit to purchase this upload. Add additional credit to your account then try again." "This upload doesn't have any valid records." "Your query does not conform to the Basic HTTP Authentication Scheme. See https://tools.ietf.org/html/rfc7617 for more information."
401	"HTTP 401 - The access token provided has expired, been revoked or malformed, or is invalid for other reasons." "HTTP/1.1 401 - Unauthorised"
403	"You do not have permission to perform this action." "Payment pending – You do not have permission to perform this action." "Your account is not API enabled."
404	"Not found."
429	"API request quota exceeded."
500	"Error trying to access data that is currently being used by someone else, please try again later." "Something went wrong, please contact an administrator if the problem persists."



Download an error file – GET training-provider/<tpid>/uploads/<uid>/download

This endpoint allows a training provider to download a specified error file.

Parameter	Response
<p><i>tpid</i> – int The Training Provider ID</p> <p><i>uid</i> – int The ID of the information object</p>	<pre>{ "id": 127256, "status": "purchased", "description": "API Test", "created_at": "2024-10-18T08:05:48.607000Z", "created_by": "Training Provider One", "purchased_at": "2024-10-18T08:06:13.497000Z", "purchased_by": "Training Provider One", "discarded_at": "0001-01-01T00:00:00.000000Z", "discarded_by": "", "total": 1, "valid": 1, "duplicate": 0, "error": 0 }</pre>
<p>Custom Header</p> <p><i>Access_token</i> – Bearer Token Authorisation token provided by AD B2C</p>	
<p>Returns</p> <p>Returns a CSV file if successful. It will raise an error if something goes wrong.</p>	
<p>API Call</p> <p>Test</p> <pre>curl --location 'https://test-winda-api-test.globalwindsafety.org/api-gateway/training-provider/<tpid>/uploads/<uid>/download' \ --header 'Authorization: Bearer <access_token>'</pre> <p>Production</p> <pre>curl --location 'https://winda-api.globalwindsafety.org/api-gateway/training-provider/<tpid>/uploads/<uid>/download' \ --header 'Authorization: Bearer <access_token>'</pre>	
	<p>File</p> <p><CSV error file></p>



Status Codes

Please note that the HTTP Status Code can be ambiguous and must be understood and processed together with the message provided.

HTTP status code	Message
200	"Success"
400	"Your query does not conform to the Basic HTTP Authentication Scheme. See https://tools.ietf.org/html/rfc7617 for more information."
401	"HTTP 401 - The access token provided has expired, been revoked or malformed, or is invalid for other reasons." "HTTP/1.1 401 - Unauthorised"
403	"You do not have permission to perform this action." "Payment pending – You do not have permission to perform this action." "Your account is not API enabled."
404	"Not found."
429	"API request quota exceeded."
500	"Error trying to access data that is currently being used by someone else, please try again later." "Something went wrong, please contact an administrator if the problem persists."



Discard a draft upload – POST training-provider/<tpid>/uploads/<uid>/discard

This endpoint allows a training provider will discard a draft upload. This will only work for uploads that have not yet been purchased.

Parameter	Response
<p><i>tpid</i> – int The Training Provider ID</p> <p><i>uid</i> – int The ID of the information object</p>	<pre>{ "id": 127256, "status": "purchased", "description": "API Test", "created_at": "2024-10-18T08:05:48.607000Z", "created_by": "Training Provider One", "purchased_at": "2024-10-18T08:06:13.497000Z", "purchased_by": "Training Provider One", "discarded_at": "0001-01-01T00:00:00.000000Z", "discarded_by": "", "total": 1, "valid": 1, "duplicate": 0, "error": 0 }</pre>
<p>Custom Header</p> <p><i>Access_token</i> – Bearer Token Authorisation token provided by AD B2C</p>	
<p>Returns</p> <p>Returns the information object if successful. It will raise an error if something goes wrong</p>	
<p>API Call</p> <p>Test</p> <pre>curl --location --request POST 'https://test-winda-api-test.globalwindsafety.org/api-gateway/training-provider/<tpid>/uploads/<uid>/discard' \ --header 'Authorization: Bearer <access_token>'</pre> <p>Production</p> <pre>curl --location --request POST 'https://winda-api.globalwindsafety.org/api-gateway/training-provider/<tpid>/uploads/<uid>/discard' \ --header 'Authorization: Bearer <access_token>'</pre>	



Status Codes

Please note that the HTTP Status Code can be ambiguous and must be understood and processed together with the message provided.

HTTP status code	Message
200	"Success"
400	"Discard only permitted for draft uploads." "Your query does not conform to the Basic HTTP Authentication Scheme. See https://tools.ietf.org/html/rfc7617 for more information."
401	"HTTP 401 - The access token provided has expired, been revoked or malformed, or is invalid for other reasons." "HTTP/1.1 401 - Unauthorised"
403	"You do not have permission to perform this action." "Payment pending – You do not have permission to perform this action." "Your account is not API enabled."
404	"Not found."
429	"API request quota exceeded."
500	"Error trying to access data that is currently being used by someone else, please try again later." "Something went wrong, please contact an administrator if the problem persists."



List all uploads– GET training-provider/<tpid>/uploads

This endpoint allows a training provider to list all information objects associated with your account.

Parameter	Response
<p><i>tpid</i> – int The Training Provider ID</p>	<pre>{ "status": 200, "message": "", "count": 19, "next": null, "previous": null, "records": [{ "id": 126311, "status": "draft", "description": "XXXX", "created_at": "2024-02-27T12:42:19.170000Z", "created_by": "Training Provider One", "purchased_at": "0001-01-01T00:00:00.000000Z", "purchased_by": "", "discarded_at": "0001-01-01T00:00:00.000000Z", "discarded_by": "", "total": 8, "valid": 0, "duplicate": 0, "error": 8 }, { "id": 126363, "status": "draft", "description": "Test 1.0", "created_at": "2024-02-28T10:05:37.967000Z", "created_by": "Training Provider One", "purchased_at": "0001-01-01T00:00:00.000000Z", "purchased_by": "", "discarded_at": "0001-01-01T00:00:00.000000Z", "discarded_by": "", "total": 7, "valid": 0, "duplicate": 0, "error": 7 }], ... }</pre>
<p>Custom Header</p> <p><i>Access_token</i> – Bearer Token Authorisation token provided by AD B2C</p>	
<p>Returns</p> <p>Returns the information object if successful. It will raise an error if something goes wrong</p>	
<p>API Call</p> <p>Test curl --location 'https://test-winda-api-test.globalwindsafety.org/api-gateway/training-provider/<tpid>/uploads' \ --header 'Authorization: Bearer <access_token>'</p> <p>Production curl --location 'https://winda-api.globalwindsafety.org/api-gateway/training-provider/<tpid>/uploads' \ --header 'Authorization: Bearer <access_token>'</p>	



Status Codes

Please note that the HTTP Status Code can be ambiguous and must be understood and processed together with the message provided.

HTTP status code	Message
200	"Success"
400	"Your query does not conform to the Basic HTTP Authentication Scheme. See https://tools.ietf.org/html/rfc7617 for more information."
401	"HTTP 401 - The access token provided has expired, been revoked or malformed, or is invalid for other reasons." "HTTP/1.1 401 - Unauthorised"
403	"You do not have permission to perform this action." "Your account is not API enabled."
404	"Not found."
429	"API request quota exceeded."
500	"Error trying to access data that is currently being used by someone else, please try again later." "Something went wrong, please contact an administrator if the problem persists."



List all courses – GET training-provider/v1/<tpid>/courses

This endpoint allows user to get a list all active courses with current valid versions.

Parameter	Response
<p><i>tpid</i> – int The Training Provider ID</p> <p>(Optional) <i>fromDate</i>- <i>datetime</i> Sets a filter on the validation time of the courses</p>	<pre>{ "courses": [{ "coursesCode": "string", "title": "string", "modified": "datetime", "versions": [{ "version": "string", "modified": "datetime" "validFrom": "datetime" "validTo": "datetime" }] }, ...] }</pre>
<p>Custom Header</p> <p><i>Access_token</i> – Bearer Token Authorisation token provided by AD B2C</p>	
<p>API Call</p> <p>Test <code>curl --form "fromDate=" \ --location 'https://test-winda.globalwindsafety.org/api/training-provider/v1/<tpid>/courses' \ --header 'Authorization: Bearer <access_token>'</code></p> <p>Production <code>curl --form "fromDate=" \ --location 'https://winda-api.globalwindsafety.org/api-gateway/training-provider/v1/<tpid>/courses' \ --header 'Authorization: Bearer <access_token>'</code></p>	



Status Codes

Please note that the HTTP Status Code can be ambiguous and must be understood and processed together with the message provided.

HTTP status code	Message
200	"Success"
400	"This upload doesn't have any valid records." "Your query does not conform to the Basic HTTP Authentication Scheme. See https://tools.ietf.org/html/rfc7617 for more information."
401	"HTTP 401 - The access token provided has expired, been revoked or malformed, or is invalid for other reasons." "HTTP/1.1 401 - Unauthorised"
403	"You do not have permission to perform this action." "Payment pending – You do not have permission to perform this action." "Your account is not API enabled."
404	"Not found."
429	"API request quota exceeded."
500	"Something went wrong, please contact an administrator if the problem persists."



3.5 The Search Object

Parameter	Object
<i>found</i> – Boolean Expresses whether WINDA user has been found	<pre> { "status": 200, "message": "", "count": 1, "next": null, "previous": null, "records": [{ "found": true, "delegate_id": "TT098322DE", "first_name": "Torsten", "last_name": "Toft", "records": [{ "course_title": "First Aid", "course_code": "FA", "country": "Denmark", "training_provider": "comeOnNow", "completed_on": "2024-02-19", "valid_from": "2024-02-19", "valid_until": "2026-02-19", "previous_course_valid_until": "", "status": "Record is valid" }, { "course_title": "Electrical", "course_code": "BTTE", "country": "Denmark", "training_provider": "comeOnNow", "completed_on": "2024-02-19", "valid_from": "2024-02-19", "valid_until": "2124-02-19", "previous_course_valid_until": "", "status": "Record is valid" }] }] } </pre>
<i>Delegate_id</i> – string Unique identifier of the user	
<i>first_name</i> – string First name of user	
<i>Last_name</i> – string Last name of user	
<i>Records[...]</i> – Array Holds all course participation of the user	
<i>Records[...].course_title</i> – string Title of the course	
<i>Records[...].course_code</i> – string Unique code of the course	
<i>Records[...].country</i> – string Country of Training Provider	
<i>Records[...].training_provider</i> – string Name of training provider providing the course	
<i>Records[...].completed_on</i> – date-time Date of completion of the course	
<i>Records[...].valid_from</i> – date-time Start of certification validity	
<i>Records[...].valid_until</i> – date-time End of certification validity	
<i>Records[...].previous_course_valid_until</i> – string End of previous certification validity	
<i>Records[...].status</i> – string Validity of certification	



Search Course Participants (TP) – POST training-provider/<tpid>/search

This endpoint will be decommissioned. Please use [POST training-provider/v1/<tpid>/search](#) instead.

Search Course Participants (Org – POST organization/<oid>/search

This endpoint will be decommissioned. Please use [POST organization/v1/<oid>/search](#) instead.



Search Course Participants (TP) – Version 1 – POST training-provider/v1/<tpid>/search

This endpoint allows retrieving a list of Course Participants along with their respective Training Records with version based on their WINDA IDs.

NOTE: Delegates are referred to as **Course Participants** by GWO in all contexts except in the WINDA API. For backward compatibility purposes, the WINDA API is still returning properties referring to Delegates.

Parameter	Response
<p><i>tpid</i> – int The Training Provider ID</p>	<pre>{ "status": 200, "message": "", "count": 1, "next": null, "previous": null, "records": [{ "found": true, "delegate_id": "TT098322DE", "first_name": "Torsten", "last_name": "Toft", "records": [{ "course_title": "First Aid", "course_code": "FA", "country": "Denmark", "training_provider": "comeOnNow", "completed_on": "2024-02-19", "valid_from": "2024-02-19", "valid_until": "2026-02-19", }] }] }</pre>
<p>Request Body</p> <p>The list of records to search for must be provided in JSON input format. This list may include multiple IDs. Maximum of IDs allowed in one search request is 1.000.</p> <pre>{ "delegates": ["TT098322DE"] }</pre>	
<p>Custom Header</p> <p><i>Access_token</i> – Bearer Token Authorisation token provided by AD B2C</p>	
<p>Returns</p> <p>Returns the search object if successful. It will raise an error if something goes wrong.</p>	



<p>API Call</p> <p>Test curl --location 'https://winda-api-test.globalwindsafety.org/api-gateway/training-provider/v1/<tpid>/search' \ --header 'Content-Type: application/json' \ --header 'Authorization: Bearer <access_token>' \ --data '{"delegates":[]}'</p> <p>Production curl --location 'https://winda-api.globalwindsafety.org/api-gateway/training-provider/v1/<tpid>/search' \ --header 'Content-Type: application/json' \ --header 'Authorization: Bearer <access_token>' \ --data '{"delegates":[]}'</p>	<pre> "previous_course_valid_until": "", "version": "XXXXXXXXXXXX", "status": "Record is valid" }, { "course_title": "Electrical", "course_code": "BTTE", "country": "Denmark", "training_provider": "comeOnNow", "completed_on": "2024-02-19", "valid_from": "2024-02-19", "valid_until": "2124-02-19", "previous_course_valid_until": "", "version": "XXXXXXXXXXXX", "status": "Record is valid" }] } </pre>
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Status Codes

Please note that the HTTP Status Code can be ambiguous and must be understood and processed together with the message provided.

HTTP status code	Message
200	"Success"
400	"Your query does not conform to the Basic HTTP Authentication Scheme. See https://tools.ietf.org/html/rfc7617 for more information."
401	"HTTP 401 - The access token provided has expired, been revoked or malformed, or is invalid for other reasons." "HTTP/1.1 401 - Unauthorised"
403	"You do not have permission to perform this action." "Your account is not API enabled." "Organisation user provided for a Training provider endpoint"
404	"Not found."
429	"API request quota exceeded."
500	"Something went wrong, please contact an administrator if the problem persists." "The WINDA IDs received contained nulls or white spaces. Please create a new call with the desired fields entered correctly."



Search Course Participants (Org) – Version 1 – POST organization/v1/<oid>/search

This endpoint allows retrieving a list of Course Participants along with their respective Training Records with version based on their WINDA IDs.

NOTE: Delegates are referred to as **Course Participants** by GWO in all contexts except in the WINDA API. For backward compatibility purposes, the WINDA API is still returning properties referring to Delegates.

Parameter	Response
<p><i>oid</i> – int The Organisation ID</p>	<pre>{ "status": 200, "message": "", "count": 1, "next": null, "previous": null, "records": [{ "found": true, "delegate_id": "TT098322DE", "first_name": "Torsten", "last_name": "Toft", "records": [{ "course_title": "First Aid", "course_code": "FA", "country": "Denmark", "training_provider": "comeOnNow", "completed_on": "2024-02-19", "valid_from": "2024-02-19", "valid_until": "2026-02-19", "previous_course_valid_until": "", "version": "XXXXXXXXXXXX", "status": "Record is valid" }, { "course_title": "Electrical", "course_code": "BTTE", "country": "Denmark", "training_provider": "comeOnNow", "completed_on": "2024-02-19", "valid_from": "2024-02-19", "valid_until": "2124-02-19", "previous_course_valid_until": "", "version": "XXXXXXXXXXXX", "status": "Record is valid" }] }] }</pre>
<p>Request Body</p> <p>The list of records to search for must be provided in JSON input format. This list may include multiple IDs. Maximum of IDs allowed in one search request is 1.000.</p> <pre>{ "delegates": ["TT098322DE "] }</pre>	
<p>Custom Header</p> <p><i>Access_token</i> – Bearer Token Authorisation token provided by AD B2C</p>	
<p>Returns</p> <p>Returns the search object if successful. It will raise an error if something goes wrong</p>	
<p>API Call</p> <p>Test</p> <pre>curl --location 'https://winda-api-test.globalwindsafety.org/api-gateway/organization/v1/<oid>/search' \ --header 'Content-Type: application/json' \ --header 'Authorization: Bearer <access_token>' \ --data '{"delegates":[]}'</pre> <p>Production</p> <pre>curl --location 'https://winda-api.globalwindsafety.org/api-gateway/organization/v1/<oid>/search' \ --header 'Content-Type: application/json' \ --header 'Authorization: Bearer <access_token>' \ --data '{"delegates":[]}'</pre>	



Status Codes

Please note that the HTTP Status Code can be ambiguous and must be understood and processed together with the message provided.

HTTP status code	Message
200	"Success"
400	"Your query does not conform to the Basic HTTP Authentication Scheme. See https://tools.ietf.org/html/rfc7617 for more information."
401	"HTTP 401 - The access token provided has expired, been revoked or malformed, or is invalid for other reasons." "HTTP/1.1 401 - Unauthorised"
403	"You do not have permission to perform this action." "Your account is not API enabled." "Organisation user provided for a Training provider endpoint"
404	"Not found."
429	"API request quota exceeded."
500	"Something went wrong, please contact an administrator if the problem persists." "The WINDA IDs received contained nulls or white spaces. Please create a new call with the desired fields entered correctly."



Search Course Participants (TP) – Version 1 – POST training-provider/v1/<tpid>/deltasearch

This endpoint allows retrieving a list of Course Participants along with their respective Training Records with version based on their WINDA IDs and the specified date-time.

The endpoint returns only Training Records created after the specified date and time. Please note that date-time criterium is on the creation date-time of the Training Record, not the completed_on date. This will allow you to control your download of Training Records to contain only added records since the last download.

NOTE: Delegates are referred to as **Course Participants** by GWO in all contexts except in the WINDA API. For backward compatibility purposes, the WINDA API is still returning properties referring to Delegates.

Parameter	Response
<p><i>tpid</i> – int The Training-provider ID</p> <p><i>fromDate</i>- datetime Shows only courses whose last validation date falls within the chosen timeframe.</p>	<pre>{ "status": 200, "message": "", "count": 1, "next": null, "previous": null, "records": [{ "found": true, "delegate_id": "PO043771AT", "first_name": "Partecipante", "last_name": "Uno", "records": [{ "course_title": " First Aid r", "course_code": "FA", "country": "Albania", "training_provider": "TEST", "completed_on": "2024-02-19", "valid_from": "2024-02-19", "valid_until": "2124-02-19", "previous_course_valid_until": " ", "version": "XXXXXXXXXXXXX", }] }] }</pre>
<p>Request Body</p> <p>The list of records to search for must be provided in JSON input format. This list may include multiple IDs. Maximum of IDs allowed in one search request is 1.000.</p> <pre>{ "delegates": ["PO043771AT"] }</pre>	
<p>Custom Header</p> <p><i>Access_token</i> – Bearer Token Authorisation token provided by AD B2C</p>	
<p>Returns</p> <p>Returns the search object if successful. It will raise an error if something goes wrong</p>	



<p>API Call</p> <p>Test curl --location 'https://winda-api-test.globalwindsafety.org/api-gateway/organization/v1/<oid>/deltasearch?fromDate=<datetime>' \ --header 'Content-Type: application/json' \ --header 'Authorization: Bearer <access_token>' \ --data '{"delegates":[]}'</p> <p>Production curl --location 'https://winda-api.globalwindsafety.org/api-gateway/v1/training-provider/<tpid>/deltasearch?fromDate=<datetime>' \ --header 'Content-Type: application/json' \ --header 'Authorization: Bearer <access_token>' \ --data '{"delegates":[]}'</p>	<pre> "status": "Record is valid" }, { "course_title": "Fire Awareness", "course_code": "FAW", "country": "Albania", "training_provider": "TEST", "completed_on": "2024-02-19", "valid_from": "2024-02-19", "valid_until": "2124-02-19", "previous_course_valid_until": "", "version": "XXXXXXXXXXXX", "status": "Record is valid" }] } </pre>
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Status Codes

Please note that the HTTP Status Code can be ambiguous and must be understood and processed together with the message provided.

HTTP status code	Message
200	"Success"
400	"Your query does not conform to the Basic HTTP Authentication Scheme. See https://tools.ietf.org/html/rfc7617 for more information."
401	"HTTP 401 - The access token provided has expired, been revoked or malformed, or is invalid for other reasons." "HTTP/1.1 401 - Unauthorised"
403	"You do not have permission to perform this action." "Your account is not API enabled." "Organisation user provided for a Training provider endpoint"
404	"Not found."
429	"API request quota exceeded."
500	"Something went wrong, please contact an administrator if the problem persists." "The WINDA IDs received contained nulls or white spaces. Please create a new call with the desired fields entered correctly."





Search Course Participants (Org) – Version 1 – POST organization/v1/<oid>/deltasearch

This endpoint allows retrieving a list of Course Participants along with their respective Training Records with version based on their WINDA IDs and the specified date-time.

The endpoint returns only Training Records created after the specified date and time. Please note that date-time criterium is on the creation date-time of the Training Record, not the completed_on date. This will allow you to control your download of Training Records to contain only added records since the last download.

NOTE: Delegates are referred to as **Course Participants** by GWO in all contexts except in the WINDA API. For backward compatibility purposes, the WINDA API is still returning properties referring to Delegates.

Parameter	Response
<p><i>oid – int</i> The Organisation ID</p> <p><i>fromDate- datetime</i> Shows only courses whose last validation date falls within the chosen timeframe.</p>	<pre>{ "status": 200, "message": "", "count": 1, "next": null, "previous": null, "records": [{ "found": true, "delegate_id": "VP091733LT", "first_name": "Kera", "last_name": "Palenkoka", "records": [{ "course_title": "First Aid", "course_code": "FA", "country": "Denmark", "training_provider": "MaerskTestTrain", "completed_on": "2025-11-07", "valid_from": "2025-11-07", "valid_until": "2027-11-07", "previous_course_valid_until": "", "version": "XXXXXXXXXXXX", }] }] }</pre>
<p>Request Body</p> <p>The list of records to search for must be provided in JSON input format. This list may include multiple IDs. Maximum of IDs allowed in one search request is 1.000.</p> <pre>{ "delegates": ["VP091733LT"] }</pre>	
<p>Custom Header</p> <p><i>Access_token – Bearer Token</i> Authorisation token provided by AD B2C</p>	
<p>Returns</p> <p>Returns the search object if successful. It will raise an error if something goes wrong</p>	



<p>API Call</p> <p>Test curl --location 'https://winda-api-test.globalwindsafety.org/api-gateway/organization/v1/<oid>/deltasearch?fromDate=< datetime>' \ --header 'Content-Type: application/json' \ --header 'Authorization: Bearer <access_token>' \ --data '{"delegates":[]}'</p> <p>Production curl --location 'https://winda-api.globalwindsafety.org/api-gateway/organization/v1/<oid>/deltasearch?fromDate=< datetime>' \ --header 'Content-Type: application/json' \ --header 'Authorization: Bearer <access_token>' \ --data '{"delegates":[]}'</p>	<pre> "status": "Record is valid" }, { "course_title": "Manual Handling", "course_code": "MH", "country": "Germany", "training_provider": "GmbH", "completed_on": "2026-01-27", "valid_from": "2026-01-27", "valid_until": "2028-01-27", "previous_course_valid_until": "", "version": "XXXXXXXXXXXX", "status": "Record is valid" } }] }] } </pre>
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Status Codes

Please note that the HTTP Status Code can be ambiguous and must be understood and processed together with the message provided.

HTTP status code	Message
200	"Success"
400	"Your query does not conform to the Basic HTTP Authentication Scheme. See https://tools.ietf.org/html/rfc7617 for more information."
401	"HTTP 401 - The access token provided has expired, been revoked or malformed, or is invalid for other reasons." "HTTP/1.1 401 - Unauthorised"
403	"You do not have permission to perform this action." "Your account is not API enabled." "Organisation user provided for a Training provider endpoint"
404	"Not found."
429	"API request quota exceeded."
500	"Something went wrong, please contact an administrator if the problem persists." "The WINDA IDs received contained nulls or white spaces. Please create a new call with the desired fields entered correctly."



4. Change Log

Amendment date	Version	Author	Description of changes
2025-02-14	4.0	Torben Buch	First version for new WINDA API Gateway Previous versions of WINDA API – Documentation are invalidated by this version.
2025-04-01	4.1	Torben Buch	Various errors corrected. File Object renamed to Information Object for clarity. New endpoints included, supporting version on Training Records: <ul style="list-style-type: none"> • <code>training-provider/v1/<tpid>/uploads</code> • <code>training-provider/v1/<tpid>/courses</code> • <code>training-provider/v1/<tpid>/search</code> • <code>organization/v1/<oid>/search</code>
2025-10-14	4.2	Tobias Pedersen	Fixed various errors corrected. Corrected cURL test errors. Fixed code boxes formatting and response block. Enforced standardised formatting. Improved text clarity. Redacted decommissioned endpoint: <ul style="list-style-type: none"> • <code>POST training-provider/<tpid>/uploads</code> Attached end of service notice on endpoints: <ul style="list-style-type: none"> • <code>POST training-provider/<tpid>/search</code> • <code>POST organization/<oid>/search</code>
2026-04-10	4.3	Tobias Pedersen	Minor editorial corrections New limit for Training Record search is now 1.000 WINDA Ids. Added new endpoints: <ul style="list-style-type: none"> • <code>POST organization/v1/<oid>/deltasearch</code> • <code>POST training-provider/v1/<tpid>/deltasearch</code>



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