



Electronic Standards Web API

User Guide

Version 1.0

Contents

VERSION 1.0	1
ELECTRONIC STANDARDS	3
WEB API VERSIONS	3
PRE-REQUISITES	3
HOW TO CONNECT	4
ELECTRONIC STANDARDS ENDPOINTS	4
1. GET STANDARDS LIST (eCERT): GET	4
2. GET ELECTRONIC STANDARDS DATA (eCERT): GET.....	5
GENERIC ENDPOINT THAT CAN BE USED TO RETRIEVE AN ELECTRONIC STANDARD BY PASSING THE NAME OF THE ELECTRONIC STANDARD AS THE PARAMETER.....	5
APPENDIX 1	6
WEB REFERENCES	6
REFERENCE DOCUMENTS	6

Electronic Standards

In an effort to ensure data integrity for the eCertification process the standards Web API was developed so that stakeholders across industries would have access to the same input data values when making applications for an electronic Phytosanitary certificate.

Web API Versions

There are three versions of the API that are available at a time and these are stated below:

- **Old**- Soon to be deprecated
- **Stable** – Current stable version
- **Beta**-Latest Build

All requests are sent with the version of the API in the url or the consumer can call the API through a custom request header as below:

```
Accept-version: v1  
Accept-version: v2
```

The current version of the API will be displayed on the API's Swagger page. The swagger page will display the available endpoints depending on the selected version.

When a new version becomes available, notifications will be sent out to all the relevant parties with a change log of the new changes and features. The Swagger page will be updated accordingly with these new features. The links to the swagger pages are as follows:

- PRODUCTION - <https://app.ecert.co.za/API/swagger/ui/index#/Standards>
- TESTING- <http://qa.ecert.co.za/API/swagger/ui/index#/Standards>

Pre-requisites

The pre-conditions for a client system to be able to consume the eCert Standards Web API for ePhyto requests are as follows:

- The client system must belong or be associated to a registered business in the Central Business Register
- The client system will need to be registered as a client in the User Authentication Service and issued a valid **client_id** and **client_secret** to be able to consume the endpoints
- All request calls for the eCert Notice will be authenticated using a JWT (Json Web token) bearer token over OAuth 2.0 protocol
- The authorization grant type used by the User Authentication Service is 'Client Credentials Grant' (please see Appendix 1)

How to Connect

Refer to the **UAS Web API How to Connect**

Electronic Standards EndPoints

1. Get Standards List (eCert): GET

Used to retrieve all the Electronic Standards names which can be used as parameters for the **GetStandardData** endpoint

Endpoint:

- <https://app.ecert.co.za/api/v1/Standards/GetStandardList> (PRODUCTION)
- <http://qa.ecert.co.za/api/v1/Standards/GetStandardList> (TESTING)

Request (xml, json):

No parameter is required for this endpoint

Parameter	Description	Datatype	Req?	Example/ Ref
N/A				

Response:

Response data is a list of all standards available in the system

```
Response Body
"AgreementSector",
"Agreement",
"AppliedChemical",
"Country",
"Declaration",
"DocumentType",
"ExportRequirement",
"ExportRequirementFailureReason",
"ExportRequirementType",
"FailureReason",
"FlexiField",
"IntendUse",
"Location",
"PackageType",
"PlaceOfIssue",
"ProductType",
"SafeGuard",
"SafeGuardType",
"ScientificNameOfPest",
"ScientificNameOfPlant",
"Statement",
```

2. Get Electronic Standards Data (eCert): GET

Generic endpoint that can be used to retrieve an Electronic Standard by passing the name of the Electronic Standard as the parameter.

Endpoint:

- <https://app.ecert.co.za/api/v1/Standards/GetStandardData> (PRODUCTION)
- <http://qa.ecert.co.za/api/v1/Standards/GetStandardData> (TESTING)

Request (xml, json):

Parameter	Description	Datatype	Req?	Example/ Ref
standardName	Name of Standard to retrieve	String	Yes	Country

Response:

Response data varies depending on the Electronic Standard name that is passed. Below is an example response when the endpoint is called with **Location** as a parameter.

```
Response Body

{
  "Data": [
    {
      "LocationId": 1,
      "LocationName": "Harare Airport",
      "LocationCode": "zwl1",
      "SubdivisionCode": "sss",
      "CountryCode": "ZW",
      "IsSubdivision": false,
      "IsPortOfEntry": true,
      "HierarchicalLevelCode": "uy",
      "IsEnabled": true,
      "CreatedBy": "admin@fsa.co.za",
      "DateCreated": "2019-07-22T11:18:02.417",
      "UpdatedBy": "admin@fsa.co.za",
      "DateUpdated": "2019-07-25T08:19:57.05",
      "RowVersion": "AAAAAAH9xQ="
    },
    {
      "LocationId": 2,
```

Appendix 1

Web References

<https://www.ephytoexchange.org/landing/harmonization/index.html>

Reference Documents

- UAS Web API How to Connect v 1.0