



eCITES EPIX API

DOCUMENTATION

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LICENSE

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1. INTRODUCTION

This module avails the exchange of permits and certificates with foreign MAs or other Government Agencies. It complements the data standard defined in the CITES ePermitting toolkit with a description of processes and a set of that Parties should follow when engaging in EPIX exchanges.

1.1. Document Conventions

eCITES	eCITES Base Solution
eDoc	Electronic Document
EPIX	Electronic Permit Information eXchange
N/A	Not Applicable/Not Available
PDF	Portable Document Format
SSO	Single Sign On
VER	Version
XLS	Microsoft Excel™ File Format
XML	eXtensible Markup Language

1.2. Intended Audience

The intended audience for this document is:

- eCITES Implementation Countries

2. CONFIGURATION

There is one (1) catalog tables to be populated in order to enable a country to exchange information using the EPIX module.

IMPORTANT | This section can be modified only by users within the Administrator Group

2.1. EPIX Instance Control (Country configuration)

It contains the EPIX parameters for each authorized country.

Fields	Type	Length/Precision	Description
Country ISO Code	Lookup	N/A	ISO code of the country
Import type	Lookup	N/A	Type of communication for Import permits/certificates. It can be: <ul style="list-style-type: none"> • Not Available: Import permits/certificates can be retrieved using EPIX • Read only: Import permits/certificates can be retrieved only with the GetNonFinalCertificate request • Read/write: Import permits/certificates can be retrieved using any request.
Export type	Lookup	N/A	Type of communication for Export permits/certificates. It can be: <ul style="list-style-type: none"> • Not Available: Export permits/certificates can be retrieved using EPIX • Read only: Export permits/certificates can be retrieved only with the GetNonFinalCertificate request • Read/write: Export permits/certificates can be retrieved using any request.
Private Key	Upload	N/A	The private key used to validate the public key sent in all requests.

In the following image the user can refer to an example on how to configure a country in the EPIX Instance Control Table

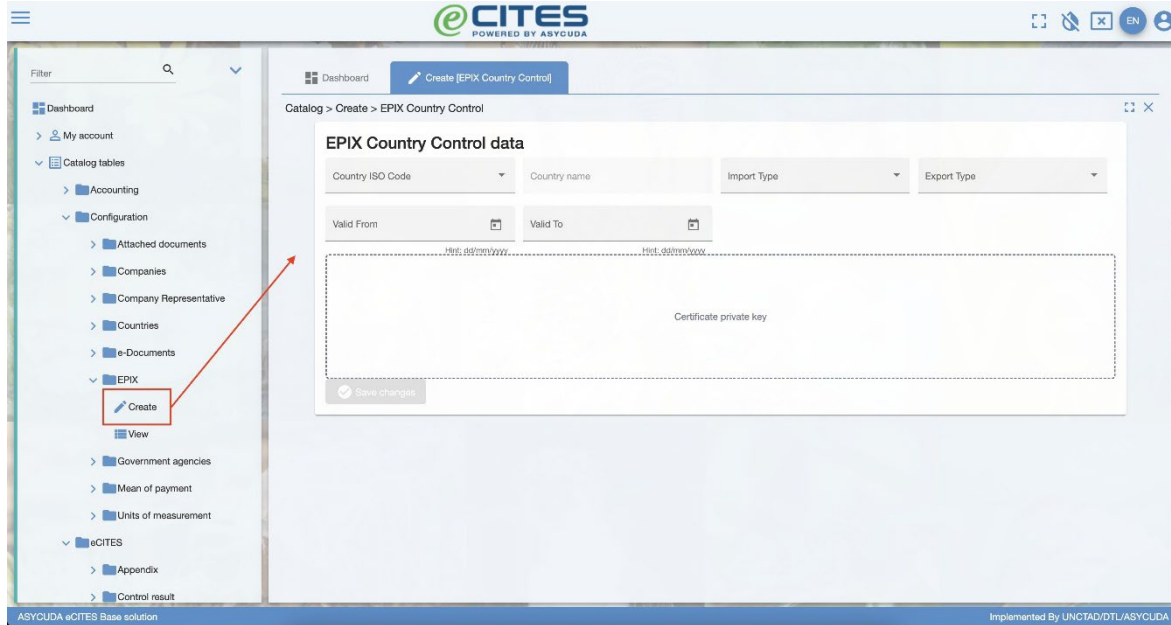


Figure 1. Country configuration screen

3. API SPECIFICATION

The eCITES EPIX API exposes 4 methods from which an authorized country may request information of permits and certificates issued in the platform:

In the following URL, the user can download the Web Service Description Languages for integration purposes:

<ecites-domain>/epix-ws/CitesDataExchange?wsdl

A copy of the XML result is attached in the Appendix I of this guide

3.1. Service Status

It indicates the status of the API. A successful response means the service is active and ready to receive more requests.

URI: <ecites-domain>/epix-ws/CitesDataExchange

Request envelope

```

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="urn:CitesDataExchange/v1/" xmlns:urn="urn:CitesDataExchange">
  <soapenv:Header/>
  <soapenv:Body>
    <v1:ServiceStateRequest/>
  </soapenv:Body>
</soapenv:Envelope>
    
```


The following is an example after a successful request

```
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Body>
    <ns4:ServiceStateResponse
xmlns:ns2="urn:un:unece:unefact:data:draft:ReusableAggregateBusinessInformationEntity:1" xmlns:ns3="urn:un:unece:unefact:data:standard:CITESEPermit:2"
xmlns:ns4="urn:CitesDataExchange/v1/">
      <ServiceState>
        <ServiceIsAlive>true</ServiceIsAlive>
        <ServiceMessage>
          <MessageCode>VERSION</MessageCode>
          <MessageValue>1.0</MessageValue>
        </ServiceMessage>
      </ServiceState>
    </ns4:ServiceStateResponse>
  </env:Body>
</env:Envelope>
```

3.2. Get Non Final Cites Certificate

It allows to retrieve an instance of a permit/certificate without changing its status. It can be called multiple times.

URI: <ecites-domain>/epix-ws/CitesDataExchange

Request envelope

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="urn:CitesDataExchange/v1/" xmlns:urn="urn:CitesDataExchange">
  <soapenv:Header/>
  <soapenv:Body>
    <v1:GetNonFinalCitesCertificateRequest>
      <CertificateNumber>22CH000028</CertificateNumber>
      <TokenId>0v2c</TokenId>
      <IsoCountryCode>CH</IsoCountryCode>
    </v1:GetNonFinalCitesCertificateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

The following is an example after a successful request

```
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Body>
    <ns4:GetNonFinalCitesCertificateResponse
xmlns:ns2="urn:un:unece:uncefact:data:draft:ReusableAggregateBusinessInformationEntity
:1" xmlns:ns3="urn:un:unece:uncefact:data:standard:CITSESEPermit:2"
xmlns:ns4="urn:CitesDataExchange/v1/">
      <CITSESEPermit>
        <ns3:SpecifiedExchangedDocumentContext>
          <ns2:BusinessProcessSpecifiedDocumentContextParameter>
            <ns2:Value>CITES PERMITTING</ns2:Value>
            <ns2:SpecifiedDocumentVersion>
              <ns2:ID>1</ns2:ID>
            </ns2:SpecifiedDocumentVersion>
          </ns2:BusinessProcessSpecifiedDocumentContextParameter>
          <ns2:BIMSpecifiedDocumentContextParameter>
            <ns2:ID>09A</ns2:ID>
            <ns2:SpecifiedDocumentVersion>
              <ns2:ID>1</ns2:ID>
              <ns2:IssueDateTime>2022-10-19T00:00:00.000</ns2:IssueDateTime>
            </ns2:SpecifiedDocumentVersion>
          </ns2:BIMSpecifiedDocumentContextParameter>
        </ns3:SpecifiedExchangedDocumentContext>
        <ns3:HeaderExchangedDocument>
          <ns2:ID>22CH000028</ns2:ID>
          <ns2:TypeCode>I</ns2:TypeCode>
          <ns2:IssueDateTime>2022-10-19T00:00:00.000</ns2:IssueDateTime>
          <ns2:PurposeCode>E</ns2:PurposeCode>
          <ns2:Information>Special conditions</ns2:Information>
          <ns2:EffectiveSpecifiedPeriod>
            <ns2:StartDateTime>2022-10-19T00:00:00.000</ns2:StartDateTime>
            <ns2:EndDateTime>2023-10-19T00:00:00.000</ns2:EndDateTime>
          </ns2:EffectiveSpecifiedPeriod>
          <ns2:FirstSignatoryDocumentAuthentication>
            <ns2:ProviderTradeParty>
              <ns2:Name>SWISS MA</ns2:Name>
              <ns2:PostalTradeAddress>
                <ns2:PostcodeCode/>
                <ns2:StreetName>Geneva</ns2:StreetName>
                <ns2:CityName>Geneca</ns2:CityName>
                <ns2:CountryID>CH</ns2:CountryID>
              </ns2:PostalTradeAddress>
            </ns2:ProviderTradeParty>
          </ns2:FirstSignatoryDocumentAuthentication>
        </ns3:HeaderExchangedDocument>
      </CITSESEPermit>
    </ns4:GetNonFinalCitesCertificateResponse>
  </env:Body>
</env:Envelope>
```

```

        </ns2:ProviderTradeParty>
    </ns2:FirstSignatoryDocumentAuthentication>
</ns3:HeaderExchangedDocument>
<ns3:SpecifiedSupplyChainConsignment>
    <ns2:ConsignorTradeParty>
        <ns2:Name>Daniela Betancourt</ns2:Name>
        <ns2:PostalTradeAddress>
            <ns2:PostcodeCode/>
            <ns2:StreetName>Caracas</ns2:StreetName>
            <ns2:CityName/>
            <ns2:CountryID>VE</ns2:CountryID>
        </ns2:PostalTradeAddress>
    </ns2:ConsignorTradeParty>
    <ns2:ConsigneeTradeParty>
        <ns2:Name>Jose Luis Ardila</ns2:Name>
        <ns2:PostalTradeAddress>
            <ns2:PostcodeCode/>
            <ns2:StreetName>Geneva</ns2:StreetName>
            <ns2:CityName/>
            <ns2:CountryID>CH</ns2:CountryID>
        </ns2:PostalTradeAddress>
    </ns2:ConsigneeTradeParty>
    <ns2:IncludedSupplyChainConsignmentItem>
        <ns2:ID>A</ns2:ID>
        <ns2:PhysicalLogisticsShippingMarks>
            <ns2:Marking>Description</ns2:Marking>
        </ns2:PhysicalLogisticsShippingMarks>
        <ns2:TransportLogisticsPackage>
            <ns2:ItemQuantity unitCode="NAR">20.0</ns2:ItemQuantity>
        </ns2:TransportLogisticsPackage>
        <ns2:IncludedSupplyChainTradeLineItem>
            <ns2:TypeCode>II</ns2:TypeCode>
            <ns2:TypeExtensionCode>C</ns2:TypeExtensionCode>
            <ns2:SpecifiedTradeProduct>
                <ns2:Description>Description</ns2:Description>
                <ns2:TypeCode>LIV</ns2:TypeCode>
                <ns2:CommonName>Black-faced Lion Tamarin</ns2:CommonName>
                <ns2:ScientificName>Leontopithecus
                    caissara</ns2:ScientificName>
            </ns2:SpecifiedTradeProduct>
        </ns2:IncludedSupplyChainTradeLineItem>
    </ns2:IncludedSupplyChainConsignmentItem>
</ns3:SpecifiedSupplyChainConsignment>
</CITESEPermit>
    <Composite>>true</Composite>
</ns4:GetNonFinalCitesCertificateResponse>
</env:Body>
</env:Envelope>

```

3.3. Get Final Cites Certificate

It allows to retrieve an instance of a permit/certificate, changing its status from ISSUED to USED. It can be called only once.

NOTE After a permit is retrieved using this request it can be requested by any other method.

URI: `<ecites-domain>/epix-ws/CitesDataExchange`

Request envelope

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="urn:CitesDataExchange/v1/" xmlns:urn="urn:CitesDataExchange">
  <soapenv:Header/>
  <soapenv:Body>
    <v1:GetNonFinalCitesCertificateRequest>
      <CertificateNumber>22CH000028</CertificateNumber>
      <TokenId>0v2c</TokenId>
      <IsoCountryCode>CH</IsoCountryCode>
    </v1:GetNonFinalCitesCertificateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

The following is an example after a successful request

```
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Body>
    <ns4:GetNonFinalCitesCertificateResponse
xmlns:ns2="urn:un:unece:uncefact:data:draft:ReusableAggregateBusinessInformat
ionEntity
:1" xmlns:ns3="urn:un:unece:uncefact:data:standard:CITSESEPermit:2"
xmlns:ns4="urn:CitesDataExchange/v1/">
      <CITSESEPermit>
        <ns3:SpecifiedExchangedDocumentContext>
          <ns2:BusinessProcessSpecifiedDocumentContextParameter>
            <ns2:Value>CITES PERMITTING</ns2:Value>
            <ns2:SpecifiedDocumentVersion>
              <ns2:ID>1</ns2:ID>
            </ns2:SpecifiedDocumentVersion>
          </ns2:BusinessProcessSpecifiedDocumentContextParameter>
        </ns3:SpecifiedExchangedDocumentContext>
      </CITSESEPermit>
    </ns4:GetNonFinalCitesCertificateResponse>
  </env:Body>
</env:Envelope>
```

```

</ns2:BusinessProcessSpecifiedDocumentContextParameter>
  <ns2:BIMSpecifiedDocumentContextParameter>
    <ns2:ID>09A</ns2:ID>
    <ns2:SpecifiedDocumentVersion>
      <ns2:ID>1</ns2:ID>
      <ns2:IssueDateTime></ns2:IssueDateTime>
    </ns2:SpecifiedDocumentVersion>
  </ns2:BIMSpecifiedDocumentContextParameter>
</ns3:SpecifiedExchangedDocumentContext>
<ns3:HeaderExchangedDocument>
  <ns2:ID>22CH000028</ns2:ID>
  <ns2:TypeCode listAgencyID="6" listID="1001">I</ns2:TypeCode>
  <ns2:IssueDateTime></ns2:IssueDateTime>
  <ns2:PurposeCode>E</ns2:PurposeCode>
  <ns2:Information>Special conditions</ns2:Information>
  <ns2:EffectiveSpecifiedPeriod>
    <ns2:StartDateTime></ns2:StartDateTime>
    <ns2:EndDateTime></ns2:EndDateTime>
  </ns2:EffectiveSpecifiedPeriod>
  <ns2:FirstSignatoryDocumentAuthentication>
    <ns2:ProviderTradeParty>
      <ns2:Name>SWISS MA</ns2:Name>
      <ns2:PostalTradeAddress>
        <ns2:PostcodeCode/>
        <ns2:StreetName>Geneva</ns2:StreetName>
        <ns2:CityName>Geneca</ns2:CityName>
        <ns2:CountryID>CH</ns2:CountryID>
      </ns2:PostalTradeAddress>
    </ns2:ProviderTradeParty>
  </ns2:FirstSignatoryDocumentAuthentication>
</ns3:HeaderExchangedDocument>
<ns3:SpecifiedSupplyChainConsignment>
  <ns2:ConsignorTradeParty>
    <ns2:Name>Daniela Betancourt</ns2:Name>
    <ns2:PostalTradeAddress>
      <ns2:PostcodeCode/>
      <ns2:StreetName>Caracas</ns2:StreetName>
      <ns2:CityName/>
      <ns2:CountryID>VE</ns2:CountryID>
    </ns2:PostalTradeAddress>
  </ns2:ConsignorTradeParty>
  <ns2:ConsigneeTradeParty>
    <ns2:Name>Jose Luis Ardila</ns2:Name>
  </ns2:ConsigneeTradeParty>

```

```

        <ns2:PostalTradeAddress>
            <ns2:PostcodeCode/>
            <ns2:StreetName>Geneva</ns2:StreetName>
            <ns2:CityName/>
            <ns2:CountryID>CH</ns2:CountryID>
        </ns2:PostalTradeAddress>
    </ns2:ConsigneeTradeParty>
    <ns2:IncludedSupplyChainConsignmentItem>
        <ns2:ID>A</ns2:ID>
        <ns2:PhysicalLogisticsShippingMarks>
            <ns2:Marking>Description</ns2:Marking>
        </ns2:PhysicalLogisticsShippingMarks>
        <ns2:TransportLogisticsPackage>
            <ns2:ItemQuantity unitCode="NAR">20.0</ns2:ItemQuantity>
        </ns2:TransportLogisticsPackage>
        <ns2:IncludedSupplyChainTradeLineItem>
            <ns2:TypeCode>II</ns2:TypeCode>
            <ns2:TypeExtensionCode>C</ns2:TypeExtensionCode>
            <ns2:SpecifiedTradeProduct>
                <ns2:Description>Description</ns2:Description>
                <ns2:TypeCode>LIV</ns2:TypeCode>
                <ns2:CommonName>Black-faced Lion Tamarin</ns2:CommonName>
                <ns2:ScientificName>Leontopithecus caissara
            </ns2:ScientificName>
            </ns2:SpecifiedTradeProduct>
        </ns2:IncludedSupplyChainTradeLineItem>
        </ns2:IncludedSupplyChainConsignmentItem>
    </ns3:SpecifiedSupplyChainConsignment>
</CITSESEPermit>
    <Composite>true</Composite>
</ns4:GetFinalCitesCertificateResponse>
</env:Body>
</env:Envelope>

```

3.4. Confirm Quantities

It allows to update the actual quantities imported or exported of the species in a certificate. The request must include all species in the certificate, otherwise an error will be thrown.

URI: [ecites-domain>/epix-ws/CitesDataExchange](mailto:<ecites-domain>/epix-ws/CitesDataExchange)

Request envelope

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:v1="urn:CitesDataExchange/v1/">
  <soapenv:Header/>
  <soapenv:Body>
    <v1:ConfirmQuantitiesRequest>
      <CertificateNumber>22CH000028</CertificateNumber>
      <TokenId>0v2c</TokenId>
      <IsoCountryCode>CH</IsoCountryCode>
      <ConfirmedQuantities>
        <CitesPosition>
          <ID>A</ID>
          <InspectedUnitQuantity unitCode="NAR">20</InspectedUnitQuantity>
        </CitesPosition>
      </ConfirmedQuantities>
    </v1:ConfirmQuantitiesRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

The following is an example after a successful request

```
<env:Envelope xmlns:env="http://schemas.xmlsoap.org/soap/envelope/">
  <env:Body>
    <ns4:ConfirmQuantitiesResponse
xmlns:ns2="urn:un:unece:uncefact:data:draft:ReusableAggregateBusinessInformat
ionEntity
:1" xmlns:ns3="urn:un:unece:uncefact:data:standard:CITESSEPermit:2"
xmlns:ns4="urn:CitesDataExchange/v1/">
  </env:Body>
</env:Envelope>
```