



# UNCTAD ASYCER Electronic Phytosanitary Certification System

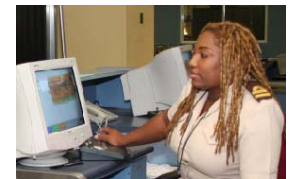


**Mr. Dmitry Godunov**  
Division on Technology and Logistics, UNCTAD

**13 October 2015**  
STDF Working Group,  
WTO, Geneva

# UNCTAD ASYCUDA Programme Today

- 5 continents
- 8 regional support centers
- 19 languages and 8 alphabets
- 20 core staff and 100 working in field
- 30 years of experience
- 60 active projects
- 95 national and regional implementations
- 70.000 trained ASYCUDA users
- 15.000.000 customs operations per year
- 50.000.000 transactions annually



# UNCTAD ASYCUDA Programme Today

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- **Afghanistan** “Customs revenue soared from 50 million \$ in 2003 to 950 million \$ in 2011 - 2,000% increase. Decrease of waiting time at Torkham to 1,5 hour, down from 18 hours in 2003” (WB Evaluation Report 2011)
- “**Albania** reduced time needed for customs clearance for imports by implementing ASYCUDAWorld electronic data interchange system” (WB Doing Business 2010)
- “**Bangladesh** made trading across borders easier by implementing a fully automated computerised data management system ASYCUDA” (WB Doing Business 2015)
- “**Belize** reduced time to export and import by implementing ASYCUDAWorld” (WB Doing Business 2013)
- “**Dominica** reduced time to import by implementing ASYCUDAWorld” (WB Doing Business 2013)
- “**Gambia** made trading across borders faster by implementing ASYCUDA” (WB Doing Business 2012)
- “**Georgia** reduced the cost of trade and simplified documentation for exporting and importing” (WB DB 2010)
- “**Granada** reduced time to export and import by implementing ASYCUDAWorld” (WB Doing Business 2013)
- “**Haiti** speeded up the clearance of goods through customs by implementing ASYCUDA system “ (WB DB 2010)
- “**Jordan** reduced time for exporting and importing...by fully implementing ASYCUDAWorld” (WB DB 2013)
- “**Lao DPR** reduced time to import by implementing ASYCUDAWorld system” (WB Doing Business 2013)
- “**Mali** made trading across borders easier by implementing electronic data interchange system (WB DB 2010)
- “**Rwanda** made trading across borders easier by introducing an electronic Single Window system at the border” (WB Doing Business 2014)
- “**Seychelles** made trading across borders faster by introducing electronic submission of customs documents ” (WB DB 2014)
- “**Sierra Leone** made trading across borders faster by implementing ASYCUDA” (WB Doing Business 2012)
- “**Sri Lanka** reduced time to export and import by implementing ASYCUDAWorld” (WB Doing Business 2013)
- “**St.Lucia** made trading across borders easier by implementing ASYCUDA World” (WB Doing Business 2015)
- “**Trinidad and Tobago** reduced time to export and import by luncjing ASYCUDAWorld (WB DB 2013)
- “**Uganda** made trading across borders easier by implementing ASYCUDA World” (WB Doing Business 2015)

# UNCTAD ASYCUDA Principles

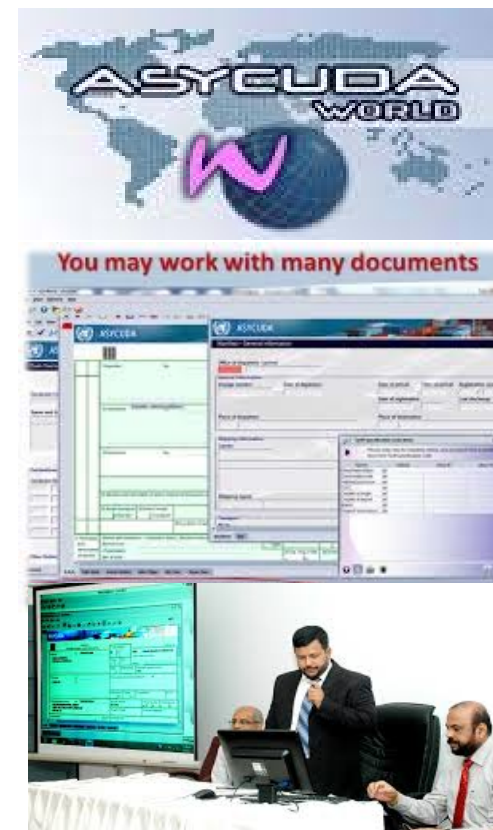
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- Full ownership of beneficiary countries
- Building-up human capacity
- Full advantage of new IT technologies
- International standards and best practices
- Dynamic deployment
- Low implementation cost
- Protection of previous investment
- Paving the way to Single Window and the E-government



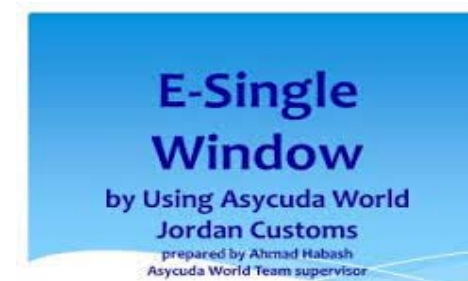
## ASYCUDAWorld 4-th Generation

- Web-based, 100% Java, Open Source
- Integrated Customs management system
- All Customs procedures and regimes
- Integrated Tariff
- Direct Traders Input
- Data re-use
- Electronic supporting documents
- Simplified declarations
- Transactional data validation
- Powerful risk management
- Document tracking utility
- Automated workload management
- Post audit



# ASYCUDA from e-Customs to Single Window

- Facilitating the implementation of regulatory requirements for cross-border movement of goods
- Providing trade and transport operators with a single interface for receiving information and submission of all required documents
- Streamlining inter-agencies processes and controls
- Improving efficiency of data exchange between agencies
- Common electronic solutions for accompanying e-documents
- Moving to a fully paperless environment and e-government
- Taking on board international recommendations and best practices (UNECE, UN ESCAP, WTO, WCO, the EU)
- Goal: faster processing, more predictability and transparency, fewer delays and uncertainty, lower barriers to trade



# ASYCUDA Single Window

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- E-portal (Single Electronic Access Point)
- E-signature (e-declaration and electronic accompanying documents)
- Pre-arrival information (Customs, immigration/port authorities, border police)
- Multi-agency risk management (Customs and other controlling agencies)
- E-certification (phytosanitary/veterinary services)
- E-payment (Central Bank, Treasury, authorized banks)
- E-excise (tax administration)
- Quota management (Ministry of economy/trade)
- E-vehicle registration (Customs and road police)
- Web-services (interoperability with external systems at national, regional or international level)



## UNCTAD ASYCUDA and WTO TFA

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- Extensive Customs reform experience and unique expertise, 60 active ASYCUDA projects in developing countries, LDCs, SIDS etc.
- Existing collaboration with the WTO, WCO, regional organizations
- ASYCUDA can contribute to implementation 33 TF measures of the WTO TFA, Already available ICT tools for:
  - Information availability through Internet
  - Pre-arrival processing
  - E-declaration for Export, Import, special procedures and regimes
  - Electronic payment
  - Electronic accompanying documents
  - Control and monitoring of transit
  - Risk management
  - Post-clearance audit
  - Single Window/border agencies cooperation
  - Performance measurement
- Continuous development of ASYCUDA products (ASYCER etc.)
- Non-commercial technical assistance projects, quick and guaranteed results
- Trustful relationships with Customs and trading community, ASYCUDA field experts, national ASYCUDA focal points, regional centers of excellence



## Common challenges for ICT in trade facilitation

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- Lack of political will, frequent changes of management and strategies;
- Lack of result-oriented approach, prevalence of conceptual exercises;
- Lack of legal instruments;
- Lack of inter-agency coordination;
- Lack of financial resources, need for donors support;
- Lack of expertise, infrastructure and human capacity ;
- Lack of coordination in ICT developments;
- Lack of interoperability between IT systems;
- Lack of free-of-charge applications for trade, particularly SME;
- Lack of transparency, vested interests, etc.



## ASYCER - new product of ASYCUDA family

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- ASYCUDA Programme implementations in over 95 countries;
- International standards (IPPC FAO/ISPM 12 etc., e-Phyto Working Group) and best practices (Netherlands, China. Switzerland);
- WTO TFA context (streamlined and transparent procedures, expedient goods release, border agencies cooperation, perishable goods, disciplines on fees and charges etc.);
- WTO SPS context (transparency, non-discriminatory decision making, assisting developing countries in implementing SPS Agreement);
- Single Window context (electronic supporting documents, border controlling agencies interaction, B2G, G2G data exchange);
- ICT context (accessibility of Internet for traders/SME, development of ICT infrastructure, automation of ministries of agriculture/PPS);
- Food security & supply chain security (exporters, importers, consumers);
- Development context (agricultural market access for commodity-dependant developing countries, support to entrepreneurs/SME, strengthening of trade infrastructure, new investment opportunities)

## Phase I - Electronic Phytosanitary Certificate (Export)

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### The Kingdom of the Netherlands and UNCTAD:

- Financial support of the Dutch Government
- Knowledge transfer (NL CLIENT export control system)
- High level expertise (Dutch experience in Kenya and China)
- UNCTAD ASYCUDAWorld state-of-art technology
- Dedicated joint ASYCER Team
- Commitment of the piloting country (Ethiopia)



### The Project was aimed to provide two main services:

- (i) B2G – submission, processing and issuance of e-Phytosanitary Certificate application at the national level;
- (ii) G2G – Transfer of the E-Phytosanitary Certificate data across borders from the exporting country to the importing country

# Electronic Phytosanitary Certificate (Export)

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## Export component

- ✓ **ASYCER Phytosanitary Export Certificate**– Submission, Evaluation, Processing, issuance and use of a valid Certificate
- ✓ **Third Countries Phytosanitary Requirements** – Country and commodity specific requirements
- ✓ **Accounting and Payments**– Fees and charges Processing
- ✓ **SAD – ExCert** – Automatic verification & acceptance of Certificates

# Electronic Phytosanitary Certificate (Export)

## IPPC Model Paper Phytosanitary Certificate ISPM12

No. \_\_\_\_\_

Plant Protection Organization of \_\_\_\_\_  
TO: Plant Protection Organization(s) of \_\_\_\_\_

### I. Description of Consignment

Name and address of exporter: \_\_\_\_\_

Declared name and address of consignee: \_\_\_\_\_

Number and description of packages: \_\_\_\_\_

Distinguishing marks: \_\_\_\_\_

Place of origin: \_\_\_\_\_

Declared means of conveyance: \_\_\_\_\_

Declared point of entry: \_\_\_\_\_

Name of produce and quantity declared: \_\_\_\_\_

Botanical name of plants: \_\_\_\_\_

This is to certify that the plants, plant products or other regulated articles described herein have been inspected and/or tested according to appropriate official procedures and are considered to be free from the quarantine pests specified by the importing contracting party and to conform with the current phytosanitary requirements of the importing contracting party, including those for regulated non-quarantine pests. They are deemed to be practically free from other pests.\*

### II. Additional Declaration

### III. Disinfestation and/or Disinfection Treatment

Date \_\_\_\_\_ Treatment \_\_\_\_\_

Duration and temperature \_\_\_\_\_

Concentration \_\_\_\_\_

Additional information \_\_\_\_\_

(Stamp of Organization)

Chemical (active ingredient) \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Place of issue \_\_\_\_\_

Name of authorized officer \_\_\_\_\_

Date \_\_\_\_\_

(Signature)

# Electronic Phytosanitary Certificate (Export)

## ASYCER Standardized e-Application Form

Phytosanitary Certificate																																											
<b>1. Name and address of Exporter</b> A0000010 G78  Winterthur Insurance Marignac av. 56 1218 Grand-Saconnex Switzerland	<b>PHYTOSANITARY CERTIFICATE</b>  SERIAL No. _____  ORIGINAL  Office _____																																										
<b>3. Declared name and address of consignee</b> Van Der Dam  12u000, Fleet street 12, Amsterdam	<b>4. Plant protection service of</b> Switzerland  <b>To Plant protection service of</b> Netherlands  <b>5. Place of origin</b> BERN CHBRN																																										
<b>6. Declared name of conveyance</b> Air LH-675	Total items 3 Total packages 620 Total net weight 550.000																																										
<b>7. Declared point of entry</b> AALSMEER NLAAM																																											
<b>8. A - Name of produce; B - Commercial name; C - Distinguished marks; D - Number of packages; E - Description of packages; F - Product category; G - Botanical name; H - Customs code;</b> <table border="1"> <thead> <tr> <th>Item Number:</th> <th>1</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Rose cut flowers</td> </tr> <tr> <td>B</td> <td>Paola</td> </tr> <tr> <td>C</td> <td>Brendy</td> </tr> <tr> <td>D/E</td> <td>150 Cartons</td> </tr> <tr> <td>F</td> <td>120 Other living plants:Cutflower</td> </tr> <tr> <td>G/H</td> <td>Rosa s.p. 06031000 00</td> </tr> <tr> <th>Item Number:</th> <th>2</th> </tr> <tr> <td>A</td> <td>Chrysanthemum cuttings</td> </tr> <tr> <td>B</td> <td>Cristi</td> </tr> <tr> <td>C</td> <td>CW</td> </tr> <tr> <td>D/E</td> <td>300 Bulk</td> </tr> <tr> <td>F</td> <td>021 Intended for planting:Cuttings</td> </tr> <tr> <td>G/H</td> <td>Dendranthemum ap. 06021000 00</td> </tr> <tr> <th>Item Number:</th> <th>3</th> </tr> <tr> <td>A</td> <td>Rose cut flowers</td> </tr> <tr> <td>B</td> <td>Rosy</td> </tr> <tr> <td>C</td> <td>UK</td> </tr> <tr> <td>D/E</td> <td>170 Crates</td> </tr> <tr> <td>F</td> <td>120 Other living plants:Cutflower</td> </tr> <tr> <td>G/H</td> <td>Rosa s.p. 06031000 00</td> </tr> </tbody> </table>	Item Number:	1	A	Rose cut flowers	B	Paola	C	Brendy	D/E	150 Cartons	F	120 Other living plants:Cutflower	G/H	Rosa s.p. 06031000 00	Item Number:	2	A	Chrysanthemum cuttings	B	Cristi	C	CW	D/E	300 Bulk	F	021 Intended for planting:Cuttings	G/H	Dendranthemum ap. 06021000 00	Item Number:	3	A	Rose cut flowers	B	Rosy	C	UK	D/E	170 Crates	F	120 Other living plants:Cutflower	G/H	Rosa s.p. 06031000 00	<b>9. Quantity declared</b>  UOM APZ 24.00  Net weight (Kgs) 200.00  UOM ASM 35.00  Net weight (Kgs) 150.00  UOM ASM 46.00  Net weight (Kgs) 200.00
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11. Additional declaring Consign. compl. Annex. IV A. L. point 45.2 b 2000/29																																											

# Electronic Phytosanitary Certificate (Export)

## ASYCER e-Portal

The screenshot shows the ASYCUDA e-Portal interface within an Internet Explorer browser window. The browser's address bar displays the URL `http://172.17.0.15:8081/etawclnt/`. The page features a header with the ASYCUDA logo and the text "UNITED NATIONS UNCTAD". Below the header is a large image of a green field with a dirt path leading into the distance. A central image shows a white airplane flying in a blue sky. To the right of the airplane image, there are three sections describing different desktop options: "Full Desktop", "Rich Internet Application Desktop", and "Light Desktop". Each section includes a small image of a device (desktop monitor, laptop, and smartphone) and a brief description of the application's capabilities. At the bottom of the page, there is a navigation menu with buttons labeled "01", "02", "03", "04", "05", "06", "07", "08", "09", and "10". A yellow notification bar at the bottom of the browser window states "The ASYCert.jnlp download has completed." with buttons for "Open", "Open folder", and "View downloads". The Windows taskbar at the bottom of the screen shows various application icons, including Internet Explorer, Firefox, and several utility programs.

# Electronic Phytosanitary Certificate (Export)

## Exporter's database

Company - Edit -> The data which is valid from now

File Edit View Rows Viewpoint Help

**ETHIOePCS**  
Ethiopian Electronic Phytosanitary Certification System

Code	Name	Address line 1	Address line 2	Address line 3	Address line 4	Telephone	Fax	Telex	Active	Valid From	Valid To
0003067301	Hurburg Rose Plc	P.O.Box 425, Ziway...							1	05/03/2013	
1212121212	abc	ab	124						1	09/03/2013	
0000022222	abebe chane	arada sub city	arat kiolo			251141516	251154547		1	11/03/2013	
0303030303	quar	add1	add2	add3		12456	12456	hack@yahoo.com	1	13/03/2013	
0000033333	attempt	add1	add2			123456	123456		1	14/03/2013	
0505050505	attempt2	att1	att2	att3	att4	123456	123456	hack@yahoo.com	1	04/04/2013	
1111111111	test company									08/04/2013	

Flat viewpoint

Last restrictions:  
Display history

Action:  
Load the view

Restrictions:  
The data which is valid from now

By time

Valid from now

Date interval

Companies

Code	Valid From	Valid To
1111111111	08-Apr-2013	

Name  
test company

Address 1  
test address

Address 2

Address 3

E-mail

Active  
Yes



# Electronic Phytosanitary Certificate (Export)

## User account management

The screenshot displays the 'Prepayment Fee Account' management page within the ETHIOePCS system. The interface includes a menu bar with 'File', 'Edit', 'View', and 'Help' options. The main content area is divided into several sections:

- Account Reference:** A text field containing '1111111111'.
- Exporter Code:** A text field containing '1111111111'.
- Name and Address:** Text fields for 'test company' and 'test address'.
- Valid From/To:** A date range selector showing '08-Apr-2013' and an empty 'To' field.
- Status:** A dropdown menu currently set to 'Suspended'.
- Bank Information:** Fields for 'Bank account number', 'Bank Code', and 'Branch Code'.
- Additional Information:** A large empty text area.

A 'Document library' sidebar on the right lists various system components, including 'ETHIOePCS', 'Integrated Tariff', 'References', 'System Configuration', 'System Supervision', 'International Norms', 'Single Window', 'Agriculture', 'Certification', 'Accounting and Pay', 'Crediting fee acc', 'Daybook', 'Debiting fee acc', 'Fee account man', 'Phyto-sanitary Cert', 'References', 'System Administration', and 'System design'. A 'My Profile' icon is also visible at the bottom of the sidebar.

A small tooltip at the bottom center of the screen reads: 'Screen Shot 2013-04-08 at 9:54:51 AM.jpg', 'Type: JPEG Image', 'Size: 293 KB', and 'Dimension: 2000 x 1250 pixels'.

# Electronic Phytosanitary Certificate (Export)

## Reference tables (Importing country criteria)

PSC criteria at export - New [Cut flowers and branches]

File Edit View Help

ETHIOePCS  
Ethiopian Electronic Phyto-Sanitary Certification System

Phytosanitary Certificate Criterion

Criterion Reference	test		
Criterion Description	test criteria		
Start Date	08/04/2013	End date	
Destination Country	NL	Netherlands	
Mandatory Inspection	<input checked="" type="checkbox"/>		
Commodity Category	Cut flowers and branches		
Commodity Type	Carnation cut flowers		
Place of origin			
Mandatory Inspection	<input type="checkbox"/>		
Package type		Risk	<input type="checkbox"/>
Actions / Safeguards	Document control of consignment that 10% of motherstock was inspected and found free from CSVD		

Message  
Create is done.  
Yes

PSC

Document library PSC criteria at exp...

# Electronic Phytosanitary Certificate (Export)

## Creation of e-application

The screenshot shows a Java(TM) Platform SE binary window displaying a web browser at the URL <http://172.17.0.15:8081/etawclient/>. The browser window shows the ASYCUDA website, which features the United Nations UNCTAD logo and a background image of a green field. A Java Web Start dialog box is overlaid on the website, titled "Downloading application." and contains the following information:

- Name:** ASYCert
- Publisher:** UNCTAD - ASYCUDA
- From:** <http://172.17.0.15:8081>

The dialog box also includes a progress bar and a "Cancel" button. The website content includes a section titled "Applying for certificates will be better incorporated into the logistics of exporting companies." and a navigation menu with buttons labeled 01 through 10. The website also features several desktop environment options: "Full Desktop", "Rich Internet Application Desktop", and "Light Desktop".

Applying for certificates will be better incorporated into the logistics of exporting companies. The System will improve the inspection processes of the Ministry of Agriculture, Nature and Food Quality. Applying for certificates will be better incorporated into the logistics of exporting companies. And the complete export process will become more coherent.

01 02 03 04 05 06 07 08 09 10

Full Desktop  
ASYCUDA client runs on the most popular Java-enabled desktops such as Windows, Linux, Macintosh, Solaris, AIX and others and can be started from any web browser.

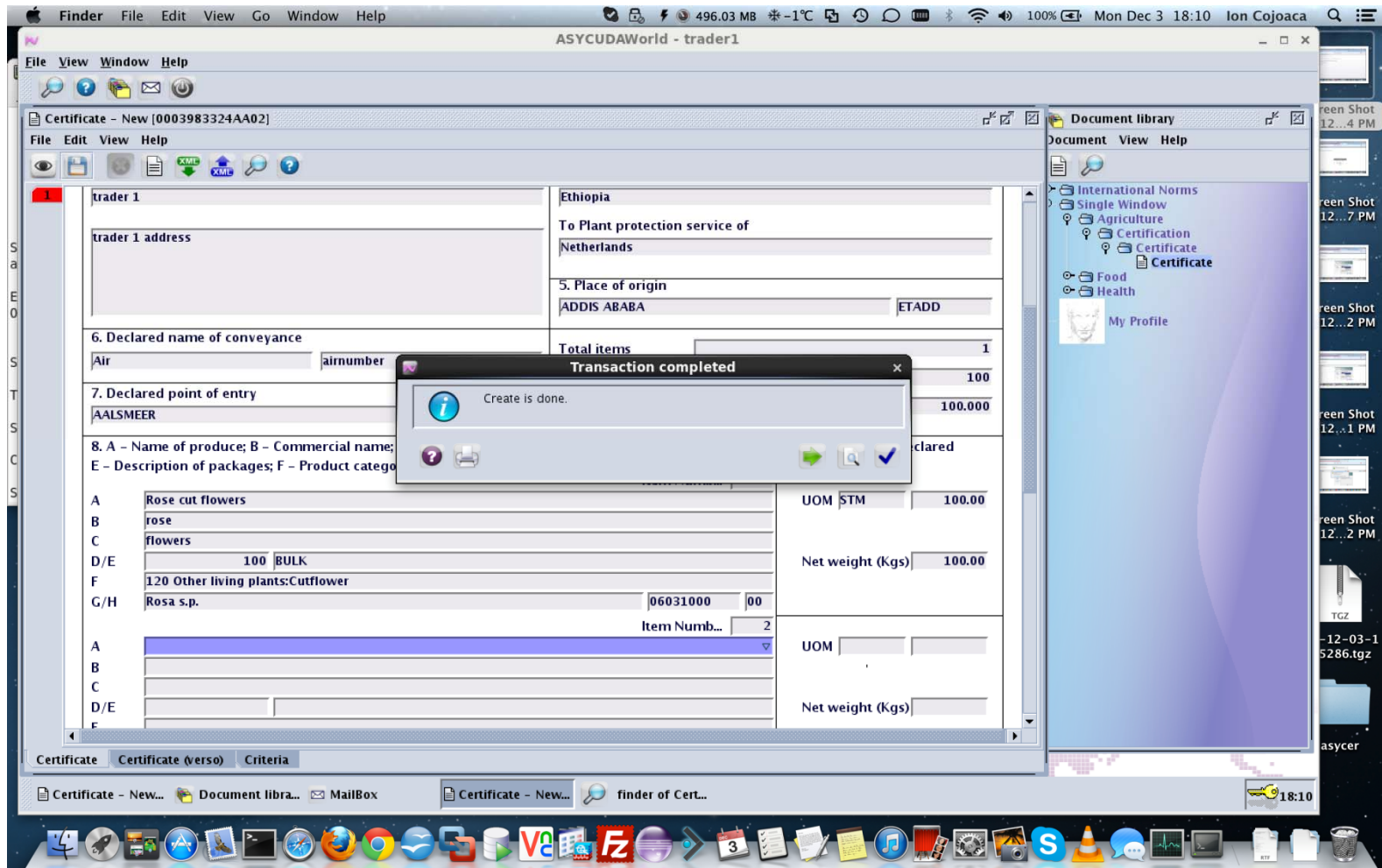
Rich Internet Application Desktop  
ASYCUDA Rich Internet Application (RIA) interface can be run within any browser.

Light Desktop  
A light version of ASYCUDA is available for light tablet PCs, PDAs or Smartphones, bringing the power of e-Document applications to your fingertips.

<http://www.asycuda.org/aboutas.asp>

# Electronic Phytosanitary Certificate (Export)

## Creation of e-application



# Electronic Phytosanitary Certificate (Export)

## Data re-use, XML

The screenshot shows the ASYCUDA Phytosanitary Certificate application. The main window has a title bar with icons for help, search, XML export, XML import, and refresh. The header features the ASYCUDA logo and the text "Phytosanitary Certificate". The main content area is divided into sections for data entry:

- 1. Name and address of Exporter:** Includes fields for a reference number (A0000010) and a value (76). The address field contains: "Winterthur Insurance, Marignac av, 56, 1218 Grand-Saconnex, Switzerland".
- 3. Declared name and address of:** Includes fields for "Fleurs for you" and "Hague, wz 12009i, Wilton place".
- 6. Declared name of conveyance:** Includes a field with the value "Air".

An "Open" dialog box is overlaid on the application, showing the "Look In" path as "AD\_data". The dialog lists a grid of folders representing dates from 10Dec2012 to 28Nov2012. The "File Name" field is empty, and the "Files of Type" dropdown is set to "XML File (.xml)". "Open" and "Cancel" buttons are at the bottom right of the dialog.

# Electronic Phytosanitary Certificate (Export)

## Verification and submission

The screenshot displays the ASYCUDA World web application interface. The main window is titled "Certificate - Amend [0003983324AA02]". The form is titled "Phytosanitary Certificate" and contains the following fields:

- 1. Name and address of Exporter:** 0003983324AA02, tr1
- FOAD NEGASH ADELA:** 14/670/54322/2004, ADDIS ABABA, ZN-ARADA WR-NO WOREDA-139, KB - 07/08 HN - 672
- 3. Declared name and address of consignee:** trader 1, Ethiopia, To Plant protection service of Netherlands
- 5. Place of origin:** ADDIS ABABA, ETADD
- 6. Declared name of conveyance:** Air, airnumber
- 7. Declared point of entry:** AALSMEER, NLAAM
- Total items:** 1
- Total packages:** 100
- Total net weight:** 100.000

A dialog box titled "Transaction completed" is overlaid on the form, displaying the message "Submit is done." The dialog box has a close button (X) and a checkmark icon.

The application interface includes a menu bar (File, Edit, View, Go, Window, Help), a toolbar, and a sidebar with a "Document library" section containing folders for "International Norms", "Single Window", "Agriculture", "Certification", "Certificate", "Food", and "Health". The desktop background shows several "Screen Shot" files and a folder named "asycer". The system tray at the bottom shows the date and time as "Mon Dec 3 18:12".

# Electronic Phytosanitary Certificate

## Document tracking

The screenshot shows a software interface for finding and tracking electronic phytosanitary certificates. The main window, titled 'Certificate finder', displays a table with two columns: 'Exporter code' and 'Country code destination'. Two records are visible, both with an exporter code of 'A0000010' and a country code of 'NL'. A message at the top indicates that two documents were found. A 'Detail information' window is open over the first record, showing creation details and a version history table.

Exporter code	Exporter Reference	Certificate number	Issue date	Country code destination
A0000010	C1			NL
A0000010	g6			NL

2 documents found! Please select a document and select an action from the local menu

**Detail information**

created on: 11/30/12 4:22 PM  
by user: dmitry  
full name: Dmitry Godunov  
owner: D  
locked: no  
from: n/a  
by: n/a

Current version:

version	status	owner
2	Submitted	D

Version#	Date	Status	Transaction	Owner	Who	Signed
2	11/30/12 4:30 PM	Submitted	Submit	D	dmitry	no
1	11/30/12 4:27 PM	Created	Create	D	dmitry	no

# Electronic Phytosanitary Certificate (Export)

## Processing of e-application by Plant Protection Services

The screenshot displays a web application interface for finding certificates. The main window, titled 'Certificate finder', shows a search result for 8 documents. A table lists the following data:

Exporter code	Exporter Reference	Certificate number	Issue date	Country code destination
A0000010	gd17			NL
A0000010	gd15			NL
A0000010	gd18			NL
A0000010	gd20	44	14/01/2013	NL
A0000010	g6	657890	20/12/2012	NL
A0000010	g7			NL
A0000010	C1			NL
A0000010	gd21			NL

A context menu is open over the last row, offering 'View', 'Retrieve', and 'Details' actions. To the right, a navigation sidebar includes categories like 'Agriculture', 'Certification', 'Accounting and Payme', 'Food', and 'Health', along with a 'My Profile' section.



# Electronic Phytosanitary Certificate (Export)

## Execution of criteria by PPS

The screenshot displays the 'Record Inspections' section of the 'Ethiopian Electronic Phyto-Sanitary Certification System'. The main content is a table titled 'Evaluations and actions list' with the following structure:

Item Number	Criterion Reference	Controls matched	Actions	Check List
1	Rosa sp.EC 45.2	Country of destination: Netherlands Commodity Category: Cut flowers and branches Commodity type: Rose cut flowers Place of production: <input type="text"/> Type of packages: <input type="text"/>	Inspection of consignment for Benisia tabaci	<input checked="" type="checkbox"/>
1	Rosa sp.EC HO	Country of destination: Netherlands Commodity Category: Cut flowers and branches Commodity type: Rose cut flowers Place of production: <input type="text"/> Type of packages: <input type="text"/>	Inspection of consignments for harmful organisms	<input checked="" type="checkbox"/>

Below the table is a 'Comments/Remarks' field containing the text 'OK'. A red callout box points to the 'Rosa sp.EC 45.2' entry, showing a detailed view of the 'Phytosanitary Certificate Criterion' with the following data:

Phytosanitary Certificate Criterion	
Criterion Reference	Rosa sp.EC 45.2
Criterion Description	Rosa sp.Cut flower EC Annex IV/II 45.2
Start Date	01/01/2012
Destination Country	NL Netherlands
Mandatory Inspection	<input checked="" type="checkbox"/>
Commodity Category	120 Other living plants:Cutflower

# Electronic Phytosanitary Certificate (Export)

## Execution of criteria (fumigation)

The screenshot displays the ASYCUDA software interface. The main window is titled "Attached scanned document - Retrieve [C0000010]". The interface includes a menu bar (File, Edit, View, Help) and a toolbar with icons for eye, checkmark, save, search, and play. A banner at the top features the ASYCUDA logo and a background image of shipping containers. Below the banner, the title "Attached fumigation Document" is displayed. The main content area is divided into two sections: a form for document details and a table for registered fumigation documents.

**Document Details:**

Exporter Code	C0000010	Reference	<input type="text"/>
Exporter Name	Cazenove SA Charles Bonnet Road, 78 1224 Chene-Bougerie Switzerland		<input type="text"/>

**Registered fumigation documents:**

Reference	Description	File name	Certificate Reference	Used	File progress
C000010	Cazenove SA Charles B...	2012-03-04_00-46-53.sn...		No	33 %

The right-hand side of the interface shows a "Document library" pane with a tree view of system modules. The "Certification" module is expanded, showing sub-items like "Accounting and Payment", "Certificate", "PSC criterion at export", and "References".

# Electronic Phytosanitary Certificate (Export)

## Payment processing

Validate payment  
ETIOPERCS  
Ethiopian Electronic Phyto-Sanitary Certification System

**Crediting Pre-payment Account Form**

Account Reference 0001505885	Account Holder 0001505885	Customs Office AAA A.A AIR PORT CUSTOMS
Name and Address LAFTO ROSES PLC KIRKOS SUB CITY WOREDA 2, HOUSE NO		Receipt Identification Date
		Amount Collected: 100.00

**Account Balance**

Previous Balance 40.00	Current Balance 140.00
---------------------------	---------------------------

**Means of Payment**

Code	Description	Reference	Certificate Reference	Bank Code	Amount
01	CASH PAYMENT		TEST1234		100.00
					0.00
					0.00

General

Document library Phyto-sanitary ... Crediting fee acco...

# Electronic Phytosanitary Certificate (Export)

## Issuance of electronic Phytosanitary Certificate

**ASYCUDA**  
Phytosanitary Certificate

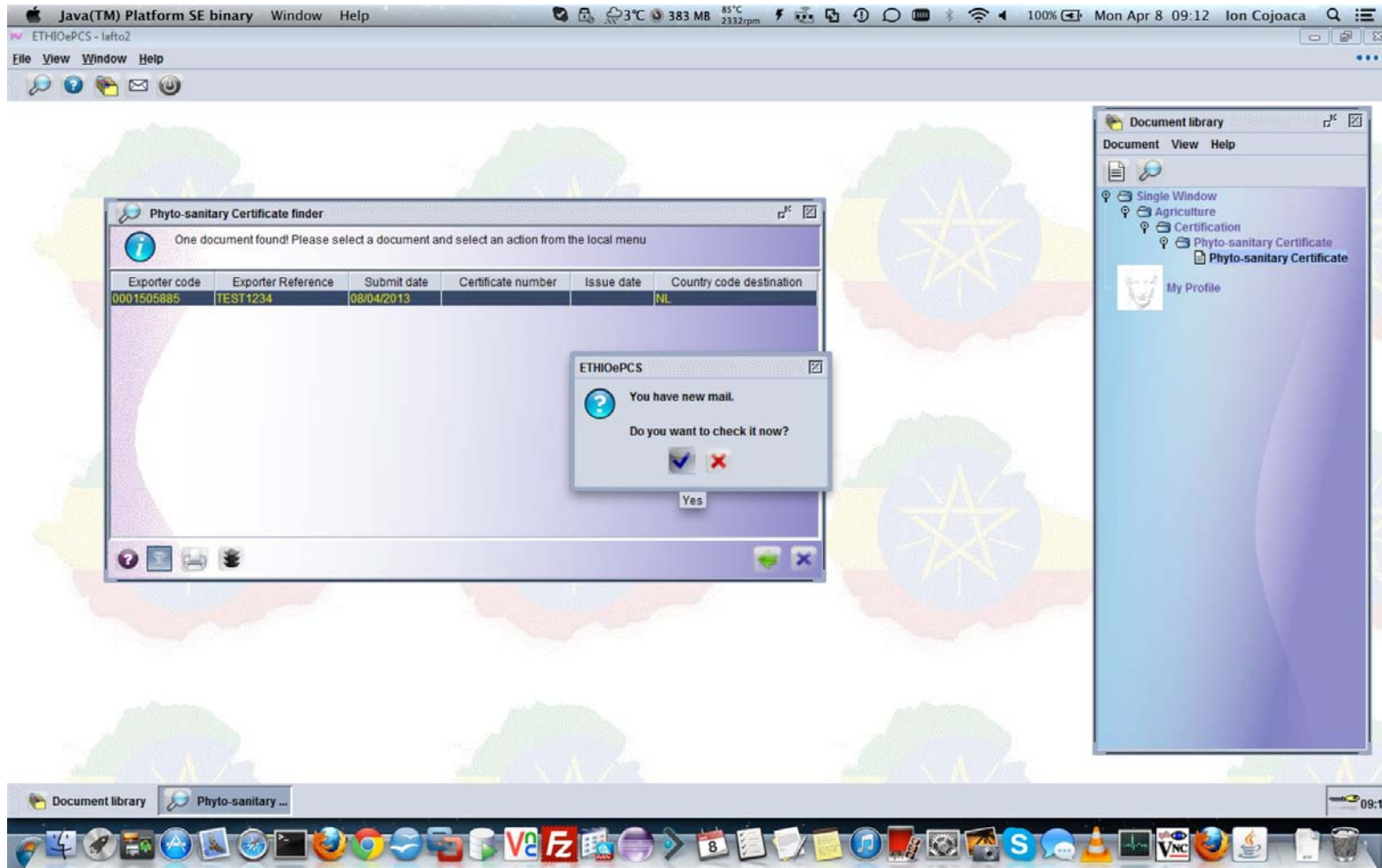
<b>1. Name and address of Exporter</b> 0024238328AA02 500  MICHAEL ABATE YESIGATE 14/68/44330/2004 ADDIS ABABA ZH-GULLELE WR-NO WOREDA-148 KB - 10/11/12 HN - 607	<b>PHYTOSANITARY CERTIFICATE</b>  SERIAL No. 5001  ORIGINAL  Office
<b>3. Declared name and address of consignee</b> a  aa	<b>4. Plant protection service of</b> Ethiopia  <b>To Plant protection service of</b> Netherlands  <b>5. Place of origin</b> ADDIS ABABA ETADD
<b>6. Declared name of conveyance</b> Air aa	Total items 1 Total packages 1 Total net weight 100.000
<b>7. Declared point of entry</b> BAMIAN AFBIN	

Navigation menu:  
Norms  
ow  
re  
fication  
ccounting and Payment  
Crediting fee account  
Daybook  
Debiting fee account  
Fee account management  
ertificate  
Attached scanned document  
Certificate  
PSC criterion at export  
eferences  
Administration  
gn  
file

Map labels: TRAINING SEF

# Electronic Phytosanitary Certificate (Export)

## Issuance of electronic Phytosanitary Certificate



# Electronic Phytosanitary Certificate (Export)

## Issuance of electronic Phytosanitary Certificate

1. Name and address of exporter		<b>PHYTOSANITARY CERTIFICATE</b>	
0024238328AA02	500	<b>SERIAL n°</b>	5001
MICHAEL ABATE YESIGATE 14/668/44330/2004 ADDIS ABABA ZN-GULLELE WR-NO WOREDA-148		<b>ORIGINAL</b>	
3. Declared name and address of consignee		4. Plant protection service of	
a		Ethiopia	
aa		To Plant protection service of	
		Netherlands	
6. Declared name of conveyance		5. Place of origin	
Air	aa	ADDIS ABABA ETADD	
7. Declared point of entry		Total items	
BAMIAN	AFBIN	1	
8. A - Name of produce; B - Commercial name; C - Distinguished marks; D - Number of packages;		Total packages	
		1	
		Total net weight	
		100.0	
		9. Quantity declared	

# Electronic Phytosanitary Certificate (Export)

## Generation of IPPC - XML Format

Exporter code	Exporter Reference	Certificate number	Issue date	Country code destination
A0000010	gd17			NL
A0000010	gd15			NL
A0000010	gd18			NL
A0000010	gd20	44	14/01/2013	NL
A0000010	g6	657890	20/12/2012	NL
A0000010	g7			NL
A0000010	C1			NL
A0000010	gd21	657	14/01/2013	NL

Context menu options:

- View
- Split
- Reissue
- Print
- Generate IPPC XML

```
<?xml version="1.0" encoding="UTF-8" ?>
```

```
<ns2:SPSCertificate xmlns="urn:un:unece:uncefact:data:standard:ReusableAggregateBusinessInformationEntity:8"
```

```
xmlns:ns2="urn:un:unece:uncefact:data:standard:SPSCertificate:4">
```

```
<ns2:SPSExchangedDocument>
```

```
<Name>Phytosanitary Certificate</Name>
```

```
<ID>657</ID>
```

```
<Description>Document/message issued by the competent body in the exporting country evidencing that plants, fruit, or vegetables are free from disease and fit for consumption and giving details on fumigation or other treatment to which they may have been subjected</Description>
```

```
<TypeCode>851</TypeCode>
```

```
<StatusCode>70</StatusCode>
```

## Phase 2 - Electronic Phytosanitary Certificate for Import

---

### Import component

- ✓ **ASYCER Phytosanitary Import Permit** – Submission, Processing, issuance and use of a Plant Import Permit (PIP)
- ✓ **National Phytosanitary Import Requirements** – Commodity class and commodity specific requirements
- ✓ **Accounting and Payments** – Permit fees and Inspection charges
- ✓ **SAD – PIP** – Automatic verification and acceptance of Permits, Authorized Quantity management
- ✓ **Risk Analysis and Sampling** – Approved Traders Scheme, Sampling plans



# Electronic Phytosanitary Certificate (Import)

---

## Plant Import Permit (PIP) General requirements

- ☑ PIP-AW-GR-VALIDITY- PIP is a long term document and it is valid for a specified period
  - 6 months, 1 year, etc.
- ☑ PIP-AW-GR-SHIPMENTS- PIP can be valid for
  - single shipment or multiple shipments
- ☑ PIP-AW-GR –QUANTITIES- PIP can be valid for
  - multiple shipments and limited quantities or
  - multiple shipments and unlimited quantities
- ☑ PIP-AW-GR –APPLICANTS- PIP can be issued to
  - importers (companies) or travellers (individuals)
  
- ☑ PIP-AW-GR –CATEGORIES- There are 3 categories of plants and plant produce:
  - Prohibited,
  - Controlled (Regulated),
  - Unrestricted
- ☑ PIP-AW-GR –POINTS OF ENTRY- PIP should allow for multiple points of entry
- ☑ PIP-AW-GR –EXPORTINGCOUNTRY- PIP should allow for multiple countries of export
- ☑ PIP-AW-GR –REQUIREMENTS- PIP should allow for multiple categories of import requirements
  - Packaging requirements,
  - Documentation requirements, e.g.
    - ✓ Import Permit,
    - ✓ Phytosanitary Export Certificate,
    - ✓ Phytosanitary Re-export Certificate,
    - ✓ Additional declaration, Treatment etc.
  - Post entry/End use conditions
  - Phytosanitary inspection

# Electronic Phytosanitary Certificate (Import)

## National importation requirements

Phytosanitary requirement				Packaging information																				
Category	Controlled			Code	Description	Indicator																		
Code	NARCISSUS SPP BULBS CONTROLLED			Package		All / Any																		
Name	Narcissus spp list of species that are permitted																							
Product information				Intended use																				
Produce	NARSS	Underground organs.Narcissus sp.	Indicator	Code	Description	Indicator																		
			Include	Intended u...		All / Any																		
Code	060110	20 000	Indicator																					
			Include																					
Description	?? NARCISE			Validity																				
				Valid from	31/03/2015	Valid to																		
Export country or geographical area				Conditions																				
Area	Code	Description	Indicator	Code	Description																			
	EU	European Union	Include	Condition																				
Country			All / Any																					
Country of origin or geographical area				<table border="1"> <thead> <tr> <th>Rnk</th> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>AD100</td> <td>ADSpecies listing for Narcissus spp</td> </tr> <tr> <td>2</td> <td>D100</td> <td>Documentary req. Import Permit</td> </tr> <tr> <td>3</td> <td>D900</td> <td>Doc. req. Phytosanitary certificate</td> </tr> <tr> <td>4</td> <td>NC10</td> <td>Non-Commercial - Bulbs Dried</td> </tr> <tr> <td>5</td> <td>T100</td> <td>Methyl Bromide fumigation</td> </tr> </tbody> </table>			Rnk	Code	Name	1	AD100	ADSpecies listing for Narcissus spp	2	D100	Documentary req. Import Permit	3	D900	Doc. req. Phytosanitary certificate	4	NC10	Non-Commercial - Bulbs Dried	5	T100	Methyl Bromide fumigation
Rnk	Code	Name																						
1	AD100	ADSpecies listing for Narcissus spp																						
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3	D900	Doc. req. Phytosanitary certificate																						
4	NC10	Non-Commercial - Bulbs Dried																						
5	T100	Methyl Bromide fumigation																						
Area	Code	Description	Indicator																					
			All / Any																					
Country			All / Any																					

# Electronic Phytosanitary Certificate

## E-Application for Plant Import Permit

ASYCUDAWorld - trader

Plant Import Permit - View [600231070003]

File Edit View Help

ASYCUDA

Commodity details

Code	060110	20	000
Description	Narcissi		
Weight	2,000.00		

Product details

Cod	Description
Name of produce	BTRNARSS Underground organs.Narcess
Product category	BTR Plants for planting:Undergro
Botanical name	NARSS Narcissus sp.

Package

Cod	Description	Quantity
HC	Box, natural wood	

Measurement unit

Cod	Description	Quantity
NAR	Number of items	1,200.00

Exporter

Code	600231580001
Description	LIBADA D.O.O.
Address	BRÈKO DISTRIKT BRANISLAVA NUÏIÀA 5

Country of export

Cod	Description
NL	Netherlands

Country of origin

Cod	Description
NL	Netherlands

Intended use

Cod	Description
FP	For processing

Document library

- ASYCUDA
  - Goods Clearance
    - Declaration
      - Detailed Declaration
        - Detailed Declaration
          - Plant Import Permit
- Single Window
  - Agriculture
    - Certification
      - Certificates and Permits
        - Phytosanitary Export Certificate
- Food
- Health

- My Profile

PIP PIP Item

Document libra... Plant Import Per...

23:30

# Electronic Phytosanitary Certificate (Import)

## E-Application for Plant Import Permit

ASYCUDAWorld - trader

Plant Import Permit - View [600231070003]

File Edit View Help

Cod	Description	Quantity	Cod	Description	Quantity
4C	Box, natural wood		NAR	Number of items	1,200.00

Exporter

Code: 600231580001

Description: LIBADA D.O.O.

Address: BRĀKO DISTRIKT  
BRANISLAVA NUIĀA 5

Country of export

Cod: NL Description: Netherlands

Country of origin

Cod: NL Description: Netherlands

Intended use

Cod: FP Description: For processing

Conditions

Points of entry

Rnk	Cod	Nam
1	T100	Methyl Bromide fumigation
2	NC10	Non-Commercial - Bulbs Dried
3	D900	Doc. req. Phytosanitary certificate
4	D100	Documentary req. Import Permit
5	AD100	ADSpecies listing for Narcissus spp
6	P100	Requirements for imports using wo...

Rnk	CUO. Cod	CUO. Nam	LOC. Cod	LOC. Nam
1	UGBUS	Busia	UGBUS	BUSIA

Document library

- ASYCUDA
  - Goods Clearance
  - Declaration
  - Detailed Declaration
  - Detailed Declaration
- Single Window
  - Agriculture
  - Certification
  - Certificates and Permits
    - Phytosanitary Export Certificate
    - Plant Import Permit
- Food
- Health
- My Profile

PIP PIP Item

Document libra... Plant Import Per...

23:30

# Electronic Phytosanitary Certificate

---

## Risk Management

- Due regard to specifics of the pest risk assessment;
- International standards and best practices (IPPC, EU, Netherlands);
- Non-discriminatory approach in risk management (Art.3 of WTO SPS);
- Real-time processing, minimum delay for traders;
- Feedback to Customs risk management

### WTO SPS Agreement (Annex A p.4)

Risk assessment - The evaluation of the likelihood of entry, establishment or spread of a pest or disease within the territory of an importing Member according to the sanitary or phytosanitary measures which might be applied, and of the associated potential biological and economic consequences; or the evaluation of the potential for adverse effects on human or animal health arising from the presence of additives, contaminants, toxins or disease-causing organisms in food, beverages or feedstuffs

# Electronic Phytosanitary Certificate

## Risk Management

ASYCR

Interventions Management

Administration: UGDCR

Code: FRVFRASS

Name: Reduced level strawberries

Commodity Information

Code: 081010

Description: Strawberries

Trade Movement

Flow: Import

Model of Declaration

Gen. proc.: 4

Model: IM

Description: Entry for home use

Customs Procedure

Requested: 40

Previous: AB / Any

Packaging Information

Package: AB / Any

Documentation

Reduced level of physical checks

Expected Lanes

Red	Yellow	Blue	Green
40	0	0	60

Sampling Plan

Code	Name
HD001	Inspection Plan confidence level 91

Inspection Plan / Examination Level

Code	Valid From	Valid To
HD001	01/05/2015	

OGA's Intervention

Code	Valid From	Valid To
PP001	01/05/2015	

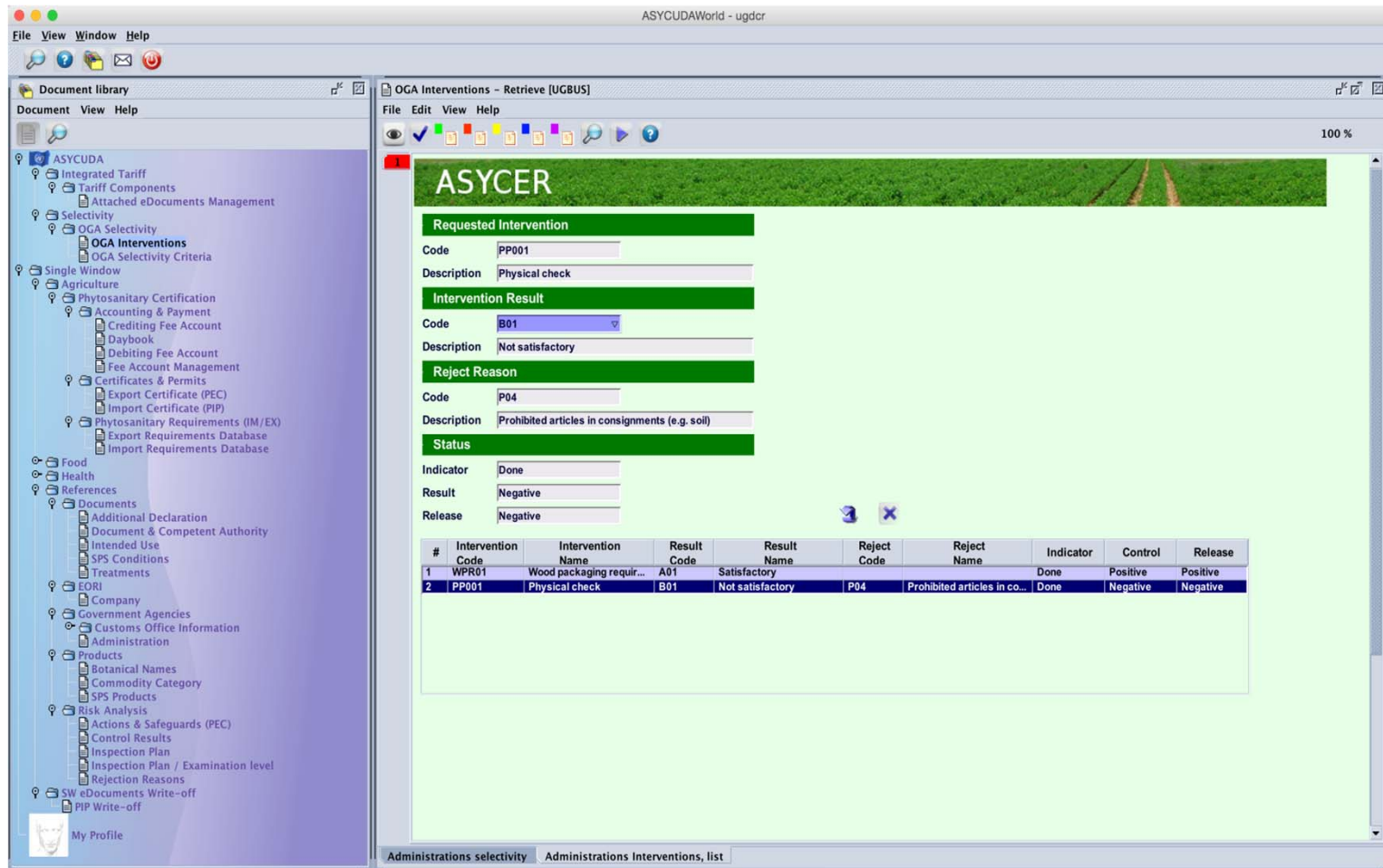
Document library

- ASYCUDA
- Documents Write-off
- PIP Write-off
- Integrated Tariff
- Tariff Components
- Attached Documents Management
- References
- Operational Environment
- Selectivity Control
- Control Results
- Inspection Plan
- Inspection Plan / Examination level
- OGA Interventions
- Rejection Reasons
- Selectivity
- OGA Selectivity
- OGA Interventions
- OGA Selectivity Criteria
- Single Window
- Agriculture
- Phytosanitary Certification
- Accounting & Payment
- Certificates & Permits
- Export Certificate (PEC)
- Import Certificate (PIF)
- PEC Criteria (Export)
- Phytosanitary Requirements
- Food
- Health
- References
- Actions & Safeguards
- Additional Declaration
- Botanical Names
- Commodity Category
- Document & Competent Authority
- Intended Use
- SPS Conditions
- SPS Offices
- SPS Products
- Treatments
- My Profile

- ✓ RISK PROFILES BASED ON COUNTRY OF ORIGIN AND PRODUCT
- ✓ AUTOMATIC SELECTION OF GOODS TO BE INSPECTED, SAMPLE SIZE AND THE TYPE OF INTERVENTION

# Electronic Phytosanitary Certificate

## Risk Management



The screenshot shows the ASYCUDAWorld - ugdr application interface. The main window is titled "OGA Interventions - Retrieve [UGBUS]" and displays the ASYCER (ASYCER) form. The form is divided into several sections:

- Requested Intervention:** Code: PP001, Description: Physical check
- Intervention Result:** Code: B01, Description: Not satisfactory
- Reject Reason:** Code: P04, Description: Prohibited articles in consignments (e.g. soil)
- Status:** Indicator: Done, Result: Negative, Release: Negative

At the bottom of the form, there is a table with the following data:

#	Intervention Code	Intervention Name	Result Code	Result Name	Reject Code	Reject Name	Indicator	Control	Release
1	WPR01	Wood packaging requir...	A01	Satisfactory			Done	Positive	Positive
2	PP001	Physical check	B01	Not satisfactory	P04	Prohibited articles in co...	Done	Negative	Negative

- ✓ INTERFACE WITH CUSTOMS DECLARATIONS PROCESSING SYSTEM
- ✓ MULTI-AGENCY RISK MANAGEMENT

# Electronic Phytosanitary Certificate

## Authorized Quantity Management Wright-off

The screenshot displays the ASYCUDAWorld application interface. The main window is titled "PIP Write-off - View [UGN1022015000025]". The interface is divided into several sections:

- Navigation Tree (Left):** A hierarchical menu with categories like ASYCUDA, Integrated Tariff, Selectivity, Single Window, Agriculture, Phytosanitary Certification, Accounting & Payment, Certificates & Permits, Phytosanitary Requirements (IM/EX), Food, Health, References, Documents, EORI, Government Agencies, Products, Risk Analysis, and SW eDocuments Write-off.
- Main Content Area:**
  - Header:** "ASYCER" with a background image of a field.
  - Section:** "SPS WRITE-OFF".
  - Document Identification Data:**

Year	Type	Reference
2015	PIP	UGN1022015000025
  - Economic Operator:**

Code	600231660005
Name	REMA DOO
  - Administration:**

Code	UGDCR	Name	Directorate Crop Resources
Address	BRÄKO DISTRIKT BIH DEJTONSKA 11		
- Table (Bottom):** A table with columns: Ope. type, Ext. type, Ope. date, Doc. nbr., Doc. ser., Doc. year, Doc. date, Doc. type, Commodity..., UOM code, Ini. sup., Upd. sup., Cty. orig., Cty. exp. The table contains one row: SUB, SADASS, 2015-07-31, 54, C, 2015, [blank], 06011030000, NAR, 100000, 750, NL, NL. A "View SAD" button is visible over the table.



# Electronic Phytosanitary Certificate (Export)

## Attached documents management (Single Window)

The screenshot displays the ASYCUDAWorld - trader application window. The main window title is "ASYCUDAWorld - trader". The menu bar includes "File", "View", "Window", and "Help". The toolbar contains various icons for navigation and actions. The main content area is titled "Detailed Declaration - Retrieve [2015]" and contains the following information:

Customs Office  
UGBUS Busia

Identification of the declarat...

Model	Customs reference	Declarant reference	Assessment reference	Nbr of Items
IM 4	2015 C 9	02/04/2015 2015 12	2015	1

Declarant  
600231070003  
KI KON DOO  
ARIZONA 23

An error message dialog box is overlaid on the main window, titled "Messages". The message text is "Error: Attached Document Reference is Mandatory". A red "STOP" sign icon is visible on the left side of the message box.

At the bottom of the main window, there is a table with the following data:

Item	Code	Description	Reference	Date
1	N102	Plant Import Permit		

The bottom status bar shows "S.A.D. Val. Note Asmt. Notice Info. Page Att. Doc Scan. Doc Items administrations selectivity". The taskbar at the bottom of the screen shows "Document libra...", "Plant Import Per...", "Detailed Decl...", and "Detailed Declar..." with a system clock showing 23:35.

# Electronic Phytosanitary Certificate

## Attached documents management (Single Window)

ASYCUDAWorld - trader

File View Window Help

Detailed Declaration - Retrieve (2015)

File Edit View Help

100 %

SAD Attached Documents Page

Customs Office  
UGBUS Busia

Identification of the declarat...

Model	Customs reference	Declarant reference	Assessment reference	Nbr of Items
IM 4	2015 C 9	02/04/2015	2015 12	1

Declarant  
600231070003

KI KON DOO  
ARIZONA 23

Message  
Document verified!

Item	Code	Description	Reference	Date
1	N102	Plant Import Permit	UGN1022015000009	

Item	Code	Description	Reference	Date
1	N102	Plant Import Permit	UGN1022015000009	

S.A.D. Val. Note Asmt. Notice Info. Page Att. Doc. Scan. Doc. Items administrations selectivity

Document libra... Plant Import Per... Detailed Decl... Detailed Declarat...

23:34

## Lessons learned

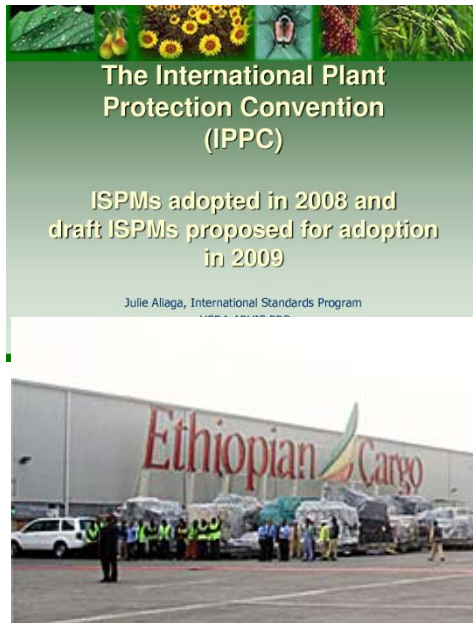
---

- Good political will at a top level vs resistance of mid-level management;
- Inter-agency competition, need for a collaboration framework (e.g. MoU);
- Weak ICT infrastructure in agricultural ministries and PPS;
- Good expert level of staff and management;
- No uniform standards;
- Support of trading community is the key;
- Donors assistance is essential;
- Prolonged piloting phase;
- Real reduction of time;
- Supply chain security remains the concern of traders;
- Challenges of the system's sustainability

## Way Forward

---

- ASYCER implementation in other pilot countries (Uganda)
- Extending the scope of coverage of agricultural products;
- Extending risk management features;
- Achieving a fuller interoperability with Customs IT systems;
- Moving towards a fully paperless environment;
- Practical implementation of IPPC XML messaging;
- Further ASYCER extension to cover veterinary certificates;
- Continuing the dialogue with international partners (WTO, IPPC/FAO, WB/IFC, UNECE, UN ESCAP, the EU);
- Development of innovative solutions based on ASYCER (UNCTAD-CITES/UNEP);
- Experience sharing at a national, regional and international level;
- Promoting the dialogue between government and business (e.g. through trade facilitation committees);



Thank you



Mr. Dmitry Godunov [dmitry.godunov@unctad.org](mailto:dmitry.godunov@unctad.org)  
Division on Technology and Logistics, UNCTAD

13 October, 2015  
STDF Working Group  
WTO, Geneva