



# IMPLEMENTATION OF PAPERLESS PROCEDURES IN SRI LANKA CUSTOMS

## DIGITAL CERTIFICATES INSTALLATION AND USER GUIDE

<b>Subject</b>	Digital Certificates installation guide
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## **1. Introduction**

As part of the efforts moving towards a paperless environment in Sri Lanka Customs, UNCTAD has developed a new functionality in Asycuda World system to digitally sign the Customs Declarations in the import and export processes.

As any other implementation performed by UNCTAD, this one is oriented to facilitate and speed up the import and export delay suppressing the cusdec printouts and improving one of the main security features, which is the user authentication.

## **2. Purpose**

This manual will show you how to setup your digital certificate in Asycuda World system.

This guide was written to be as clear as possible and provide you the necessary details to get familiar with this new feature.

## **3. Entities using the new feature**

For the moment, there is only one group of users who will use this feature: the Customs Brokers.

## **4. Requirements for any user intending to use digital certificates**

- Have an user account in Asycuda World and have assigned the business unit for brokers,
- Purchase from Lanka Clear Company a user digital certificate.
- Have installed in your computer the drivers of usb dongle, as well as the respective Authentication Client software,
- Make sure you have available the passwords for:
  - Dongle administrator user,
  - Your Private Key.

The dongle comes with default administrator password. It is strongly recommended to change it.

## **5. Preparing the public key from the usb dongle**

In order to export the public key of your user certificate, follow the steps below:

- a) Open Trust\_Key on your computer token user or as administrator (Fig. 1)

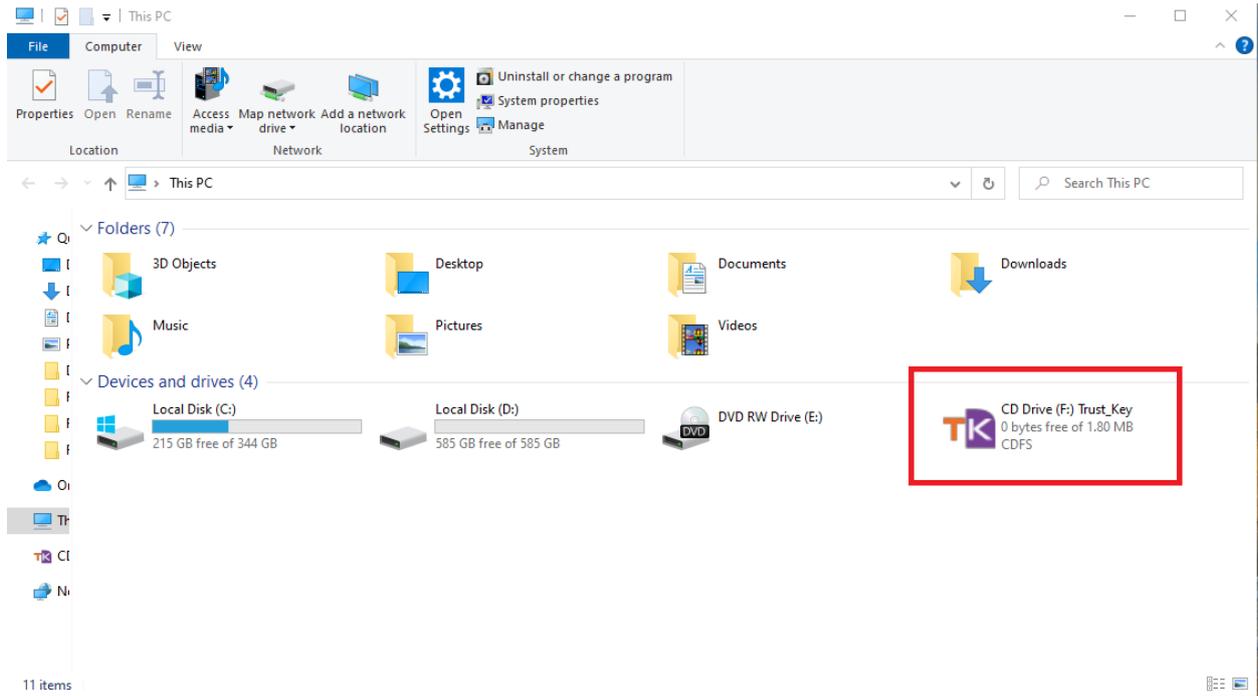


Figure 1: Connecting Trust\_Key

b) Install **Trust Key** on your computer. (Fig. 2)

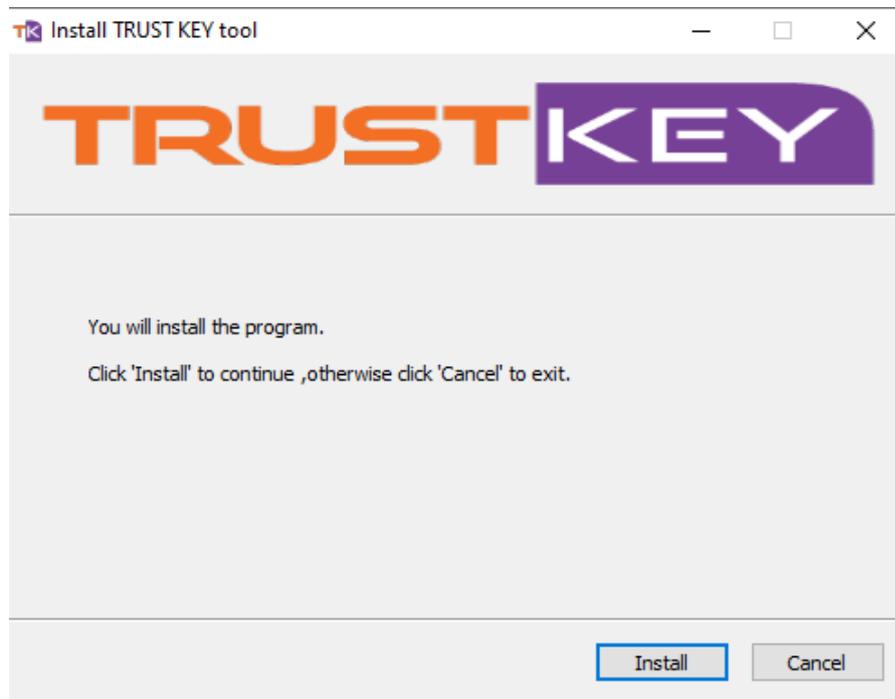


Figure 2: Installing Trust Key

c) After the installation, find the **TRUSTKEYP11\_ND\_v34.dll** file on **C:\Windows\System32** (Fig 3),



This PC > Local Disk (C:) > Windows > System32

Name	Date modified	Type	Size
tree.com	2019-12-07 2:39 PM	MS-DOS Applicati...	21 KB
trie.dll	2021-06-23 6:30 PM	Application exten...	174 KB
trkwks.dll	2019-12-07 2:38 PM	Application exten...	112 KB
TrustedSignalCredProv.dll	2021-06-23 6:31 PM	Application exten...	113 KB
<b>TRUSTKEYP11_ND_v34.dll</b>	<b>2018-07-09 11:58 AM</b>	<b>Application exten...</b>	<b>75 KB</b>
TRUSTKSP.dll	2018-07-09 11:58 AM	Application exten...	205 KB
tsbyuv.dll	2019-12-07 2:39 PM	Application exten...	17 KB
tsfcgwmi.dll	2021-06-23 6:33 PM	Application exten...	276 KB
tscon.exe	2019-12-07 3:23 PM	Application	24 KB
tsdiscon.exe	2019-12-07 3:23 PM	Application	24 KB
TSErrRedir.dll	2021-06-23 6:33 PM	Application exten...	12 KB
tsf3gip.dll	2021-06-23 6:31 PM	Application exten...	1,333 KB
tsgqec.dll	2021-06-23 6:33 PM	Application exten...	70 KB
tskill.exe	2019-12-07 3:23 PM	Application	25 KB
tsmf.dll	2021-06-23 6:33 PM	Application exten...	405 KB
TSpkg.dll	2021-06-23 6:31 PM	Application exten...	150 KB
tspubwmi.dll	2019-12-07 3:23 PM	Application exten...	228 KB
TSSessionUX.dll	2021-06-23 6:34 PM	Application exten...	87 KB
tssrvlic.dll	2021-06-23 6:30 PM	Application exten...	197 KB

Figure 3: Locating the *TRUSTKEYP11\_ND\_v34.dll* file

d) Copy the file into "Documents" Folder (Fig. 4).

This PC > Documents

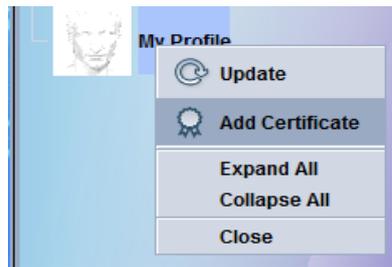
Name	Date modified	Type	Size
<b>TRUSTKEYP11_ND_v34.dll</b>	<b>2018-07-09 11:58 AM</b>	<b>Application exten...</b>	<b>75 KB</b>

Figure 4: Copying the file into 'Documents' Folder on your computer.

## 6. Attaching the public key to Asycuda World user profile

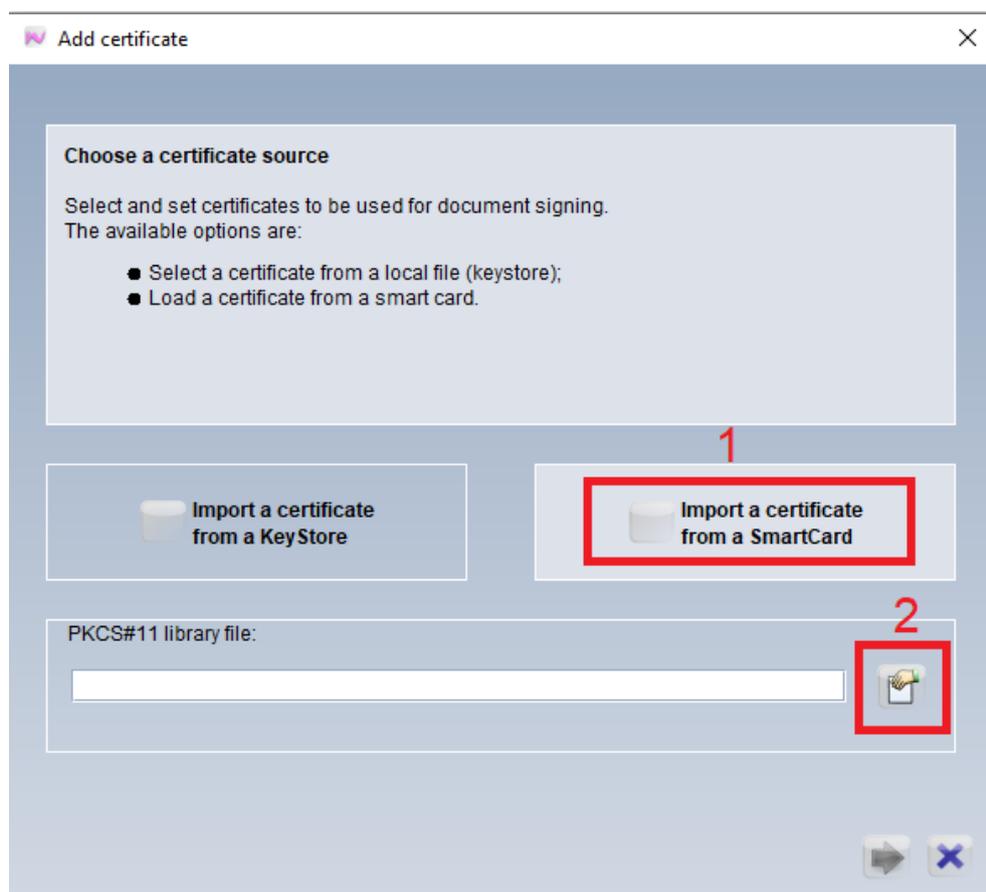
Once you have the public key in a separate file in your local computer, you need to attach it to your user profile in Asycuda World, as follows:

a) Access to **my profile** option in Asycuda World,



**Figure 5: Adding user digital certificate to user profile in Asycuda World**

b) Import the public key and attach to user profile, click on **"Import a certificate from a SmartCard"** first and then browse the **dll** file by clicking on **"Select SmartCrd library path"** button (Fig. 6),



**Figure 6: Selecting the public key file from your computer**

c) Verify the data of your public key certificate and click on the button finish (Fig. 7),  
d) Click on the button OK to finalize the operation.



Figure 7: Verifying the public key before attachment

## 7. Digitally signing Customs declarations

As soon as you attach your certificate (containing your public key) to your user profile in Asycuda World, you have to wait until ICT Division approves your certificate. An approved certificate looks like the one in figure 8. Now you are ready to submit digitally signed customs declarations.

When you have your cusdec ready for submission, follow the steps below to sign:

- a) Before assessing a cusdec, you have to provide the usb dongle library file. For that, select the option "**Import a certificate from a SmartCard**". Locate the .dll library file according to your usb dongle type.(fig. 9),

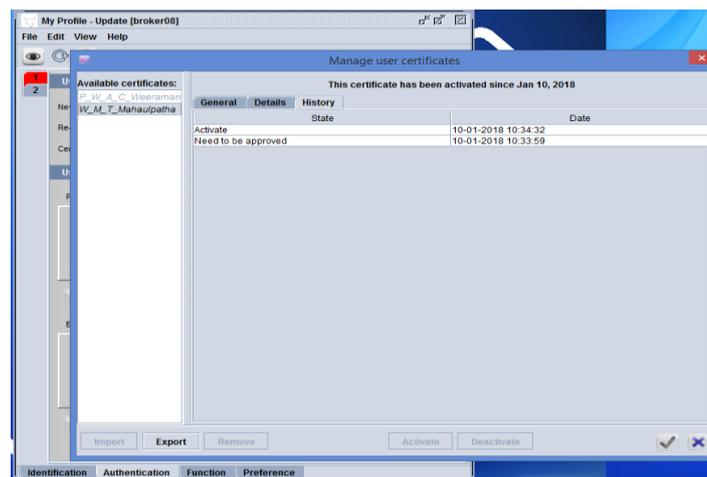
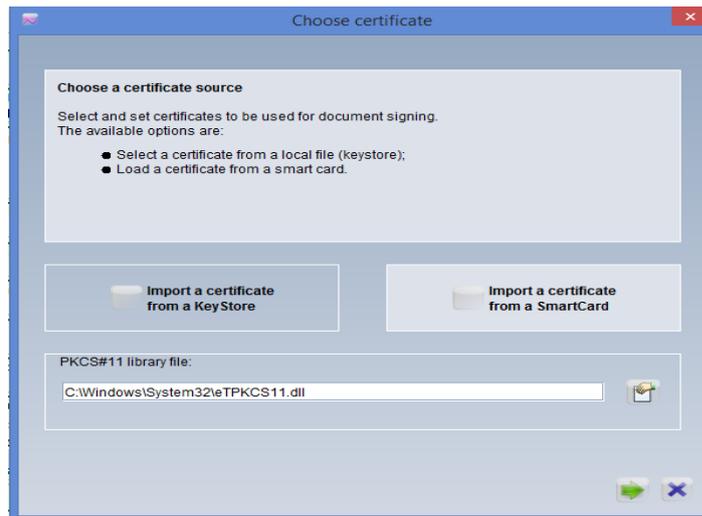


Figure 8: Approved digital certificate by ICT

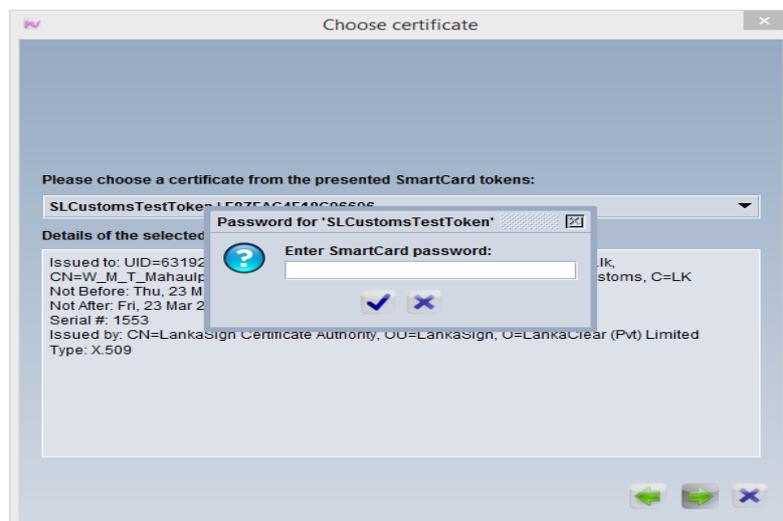


**Figure 9: Providing the dll library to access certificates in usb dongle**

- b) Select the user certificate from your usb dongle and provide the password of your private key to sign the cusdec (Fig. 10),
- c) Once a cusdec is digitally signed, you can verify it using one of two ways:

c.1) Select the declaration using the finder, right-click and display the history (fig. 11),

c.2) Open the cusdec in View mode, click on the button  to show up the digital signature details (Fig. 12).



**Figure 10: Providing your private key details to sign the cusdec**

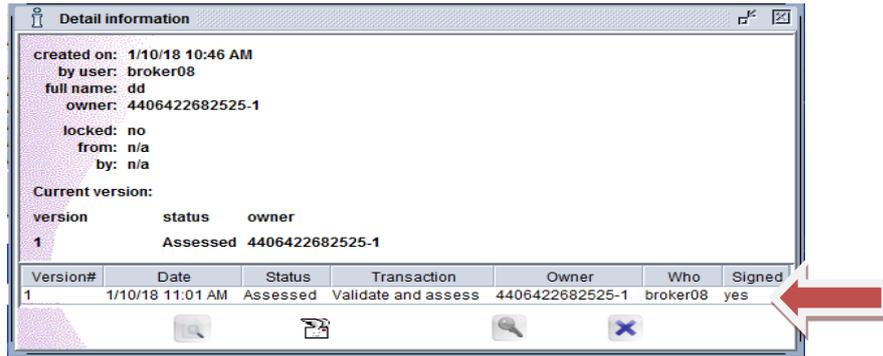


Figure 11: Verifying a signed cusdec from the finder

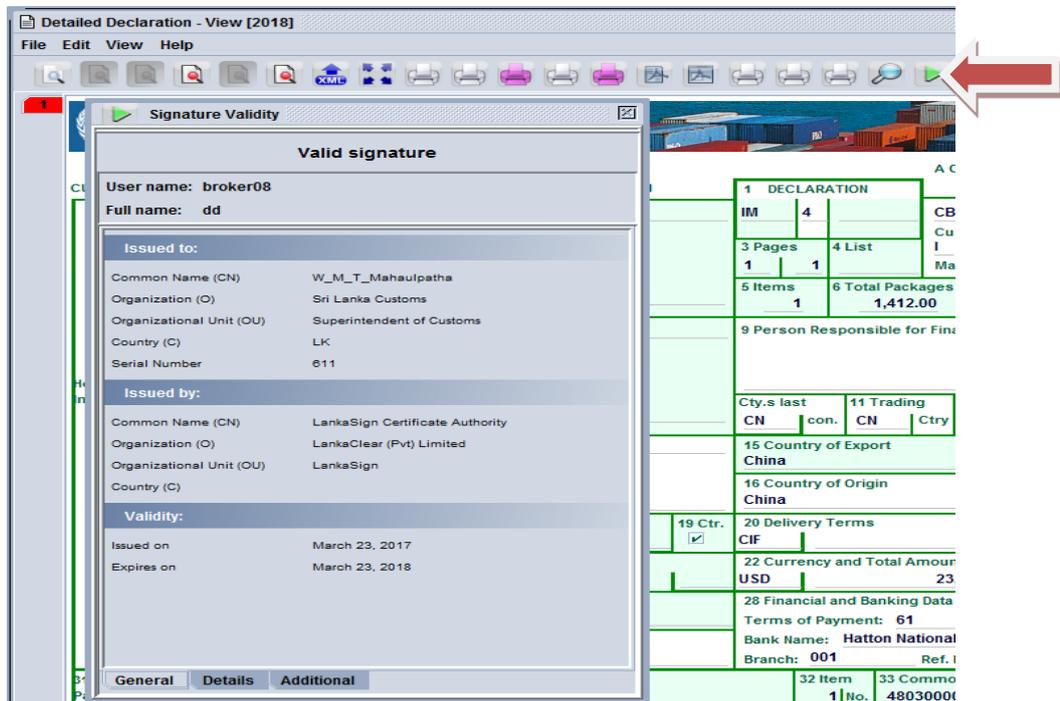


Figure 12: Verifying a digitally signed cusdec in View mode