

## **APPPC Workshop on Building Understanding and Preparedness for Electronic Phytosanitary Certification**

### **COUNTRY REPORT- MALAYSIA**

Malaysia is in the transition of implementing the Phytosanitary Certificate online system named Malaysia Phytosanitary Certification System (MyPhyto). The MyPhyto system comprising National Phytosanitary Certification System and eCert was developed under the Malaysian Government's National Key Economic Areas (NKEA), Communications, Content and Infrastructure (CCI), Entry Point Project 8 (EPP8) e-Government initiatives. The implementation of the project is for 5 years (2012-2016) and was implemented in 3 phases :

- i. Phase I : MyPhyto : Jan 2012 - Mar 2014
- ii. Phase II : eCert : Aug 2013 - Dec 2014
- iii. Phase III : Maintenance : July 2014 - June 2016

This project was initiated with the purpose of establishing a national online system for the application of the Phytosanitary certificates and to serve as the platform for electronic certificates.

Currently, the preparation and authorization of certificates applied online is by using mass produced hard copy printed template.

Since 11 March 2014, 10 issuing office have started to go live with percentage of online transactions ranging from 20 % to 86 %. By year end, another 6 more issuing office will go live on the system. It is anticipated that the MyPhyto system will be fully utilized by Mac 2015. At this juncture, implementation of MyPhyto is in Peninsular Malaysia only. Implementation in Sabah and Sarawak will follow once constraints are overcome.

Besides the Department of Agriculture (DOA) as the user for the eCert system, the Malaysian Quarantine and Inspection Services (MAQIS) will also access the system for import inspections at entry points by logging in to verify the electronic certificate transmitted by the NPPO of exporting countries.

The project output are as follows:

- i . MyPhyto System : <http://myphyto.gov.my>
- ii . eCert System: <https://ecert.gov.my/ecert>
- iii . Online Payment Reporting System: <http://eterimaan.doa.gov.my>
- iv . Online Payment Gateway: <https://mydoaxchange.doa.gov.my>

Payment online has been made available to stakeholders through the development of the online payment system for MyPhyto. This online payment system would be utilised for collection of revenues by the Department of Agriculture. The online payment gateway is for the bank system to communicate and deliver payment data to MyPhyto system.

The MyPhyto system can be access through the internet with a minimum bandwidth of 1Mbps. Specifications that support the system are as follows :

Browser : Google Chrome and Firefox  
Operating System : Windows, Linux and Android  
Platform : Computer, Laptop and Tablet

The eCert system has been developed to be compliant with Appendix 1 of ISPM12. The system is compliant to Version 11.0 UN/CEFAT XML schemas for SPS Certificate and SPS Acknowledgement definitions (<http://www.unece.org/cefact/xmlschemas/index>). The XML format of the Department of Agriculture export certificate is defined by the SPS Certificate. The SPS Acknowledgement message is used to replaced and revoked certificates and as part of a SMTP conversation for acknowledging certificates or changing the status of a certificate. Transmission of eCert can be carried out through the Web Application, SOAP and S/MIME.

In terms of the security mechanism for the eCert system, usage of username/password as well as the digital and SSL certificates are in place.

This Workshop would provide the forum for Malaysia in evaluating the MyPhyto System which has been developed in the following areas :

- i . Updates in IPPC's initiatives on eCert and implementation by other countries
- ii . To identify improvements required and determining compliance of MyPhyto's system with Appendix 1 ISPM 12
- iii . To identify legislation required for implementation in Malaysia
- iv . To identify the required plan of action for an efficient implementation