



# The 3<sup>rd</sup> IPPC Global Symposium

“ePhyto & Trade facilitation - HUB Pilot Experiences”

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*Growing and Protecting New Zealand*



[www.mpi.govt.nz](http://www.mpi.govt.nz)



# Overview

- NZ ePhyto Solution
- NZ Perspective for a “Secure Electronic Distribution Facility”
- NZ Experiences with the HUB for “ePhyto Issues management”!
- Preparations to Connect to the HUB
- Going Forward!

# NZ ePhyto Solution:

- Constructed using SQLServer, IIS, .Net, Adobe.
- Operational (live) in June 2011.
- Users must make formal application to participate on the MPI ePhyto solution.
- Application now involves iGovt for allocation of a one off user name & password.
- Approved users enter consignment data on line.
- Solution electronically links user's certificate request to a MPI certificate verifier.
- Solution prints authorised hard copy certificates at MPI approved locations, &
- Enabled to automatically Email "registered participants" with a "copy certificate" to facilitate Trade communications.



# Core Functionality Includes:

- Online data entry
- Batch (B2G) submission of cert. data
- Online view/verification of certificate request data
- Local language
- Use of UN/CEFACT SPS XML Phyto data Map
- Online clearance of certification data
- XML message output
- Electronic production of hard copy certificates.
- Automatic electronic supply of Copy of issued certificates to NZ Exporter.
- Online user manual.
- Collection of business intelligence/statistical data



NEW ZEALAND MINISTRY FOR PRIMARY INDUSTRIES

PHYTOSANITARY CERTIFICATE FROM  
NEW ZEALAND



TO THE PLANT PROTECTION  
ORGANISATION(S) OF:  
CHINA

Cert. No. NZL2017/EXAMPLE/63052

<b>Name and address of exporter:</b> Example Example address Example City 0000 NEW ZEALAND		<b>Declared name and address of consignee:</b> Example importer CHINA	
<b>Place of Origin:</b> NEW ZEALAND	<b>Port of Loading:</b> Auranga	<b>Declared Means of Conveyance:</b> Maritime, Example Vessel/Flight/Carrier, Example Voyage	<b>Declared Point of Entry:</b> Shanghai
<b>Certifying Statement:</b> 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.			
<b>Additional Declarations:</b> Registered production sites: Example 1, Example 2 Registered packhouse: Example 1 This consignment of avocados is in compliance with the Protocol on Phytosanitary Requirements for the Export of Fresh Avocados from New Zealand to China between AQSIQ and MPI, and are considered to be free from the quarantine pests of concern to China. <b>Date of Inspection:</b> N/A <b>Import Permit Numbers:</b> N/A <b>Additional Official Phytosanitary Information:</b> N/A			
<b>Number and Description of Packages:</b> 10 Cartons		<b>Container Identification Numbers (Seal Numbers):</b> ABCD1234567(EFG8910)	
<b>Distinguishing Marks on Package:</b> XXXX			
<b>Item: Botanical Name / Common Name:</b> 1 Persea americana / Avocado		<b>Product Description:</b> Fruit / Fresh	<b>Net Quantity:</b> 300 Kilograms
<b>Disinfestation and/or Disinfection Treatment:</b> N/A			
[Grid Pattern]			

Place of Issue: Wellington, New Zealand

Date: 04-DEC-2017



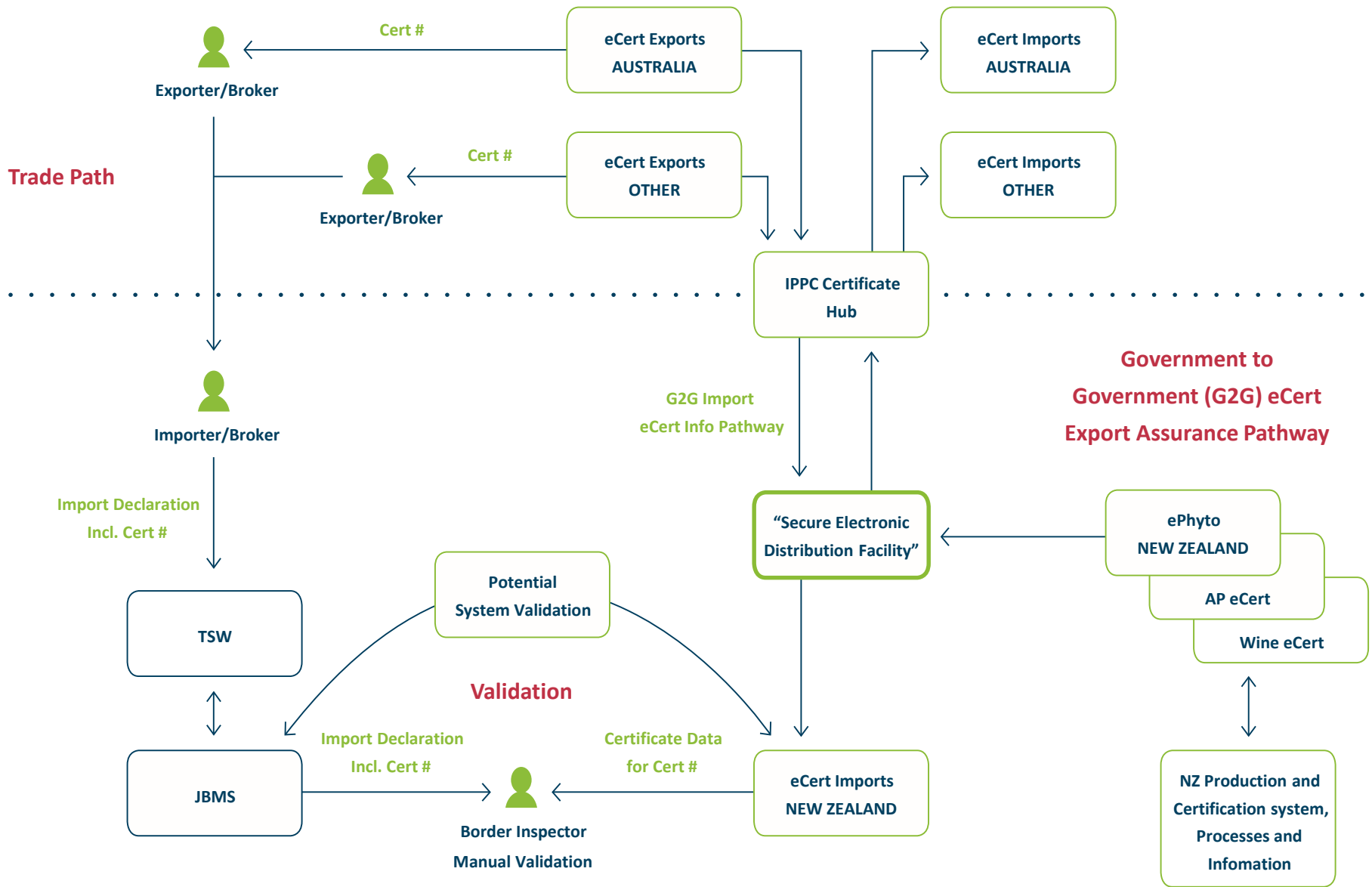
*Karen Sparrow*  
Signature

KAREN SPARROW  
Manager Plant Exports, Regulation & Assurance

Name of Authorised Officer

No financial liability with respect to this certificate shall attach to the New Zealand Ministry for Primary Industries or to any of its officers or representatives.  
Organisation Certificate Reference Code:  
Letter of Credit Reference Code:

# NZ Perspective for a "Secure Electronic Distribution Facility"



# NZ Experiences with the HUB for: “ePhyto Issues Management”

Two broad areas of complexity to address:

- Various Connection Protocols
- Certificate Format



# NZ Experiences with the HUB: First Challenge

## “Various Connection Protocols”

- Complexity of various connection protocols
- Unique design of web service endpoints each country needs to negotiate
- Security overhead (can be significant & expensive!)





# NZ Experiences with the HUB: Second Challenge

## “Certificate Format”

- Various versions of the UNCEFACT Schema in play!
- Variability in phyto data mapping to Schema
- Some not using the ISPM12 Appendix 1. Phyto data map
- Reluctance by some to update to the ISPM12 Appendix 1. data mapping.

# Preparations to Connect to the HUB:

- Import G2G ePhyto pilot with Australia
- Alignment and integration of internal systems
- Created a single point of contact
- Numerous communications & clarification of HUB requirements
- Participation in the HUB testing
- G2E electronic copy of certificates for each ePhyto transaction
- **Transformation engine!**

# Going Forward

As soon as possible the HUB:

- Being fully operational as our standard method of G2G ePhyto transactions!
- Having Business Rules & G2G Participation Agreement”
- Having a “HUB failover business continuity plan”!
- Being considered for all G2G SPS certificate transactions.
- Having a fair and transparent charging model to allow for this wider G2G SPS Trade facilitation



# Thank-you, any Questions?

