

The 2nd IPPC Global Symposium on ePhyto
9 to 13 November 2015



Country Report of Korea

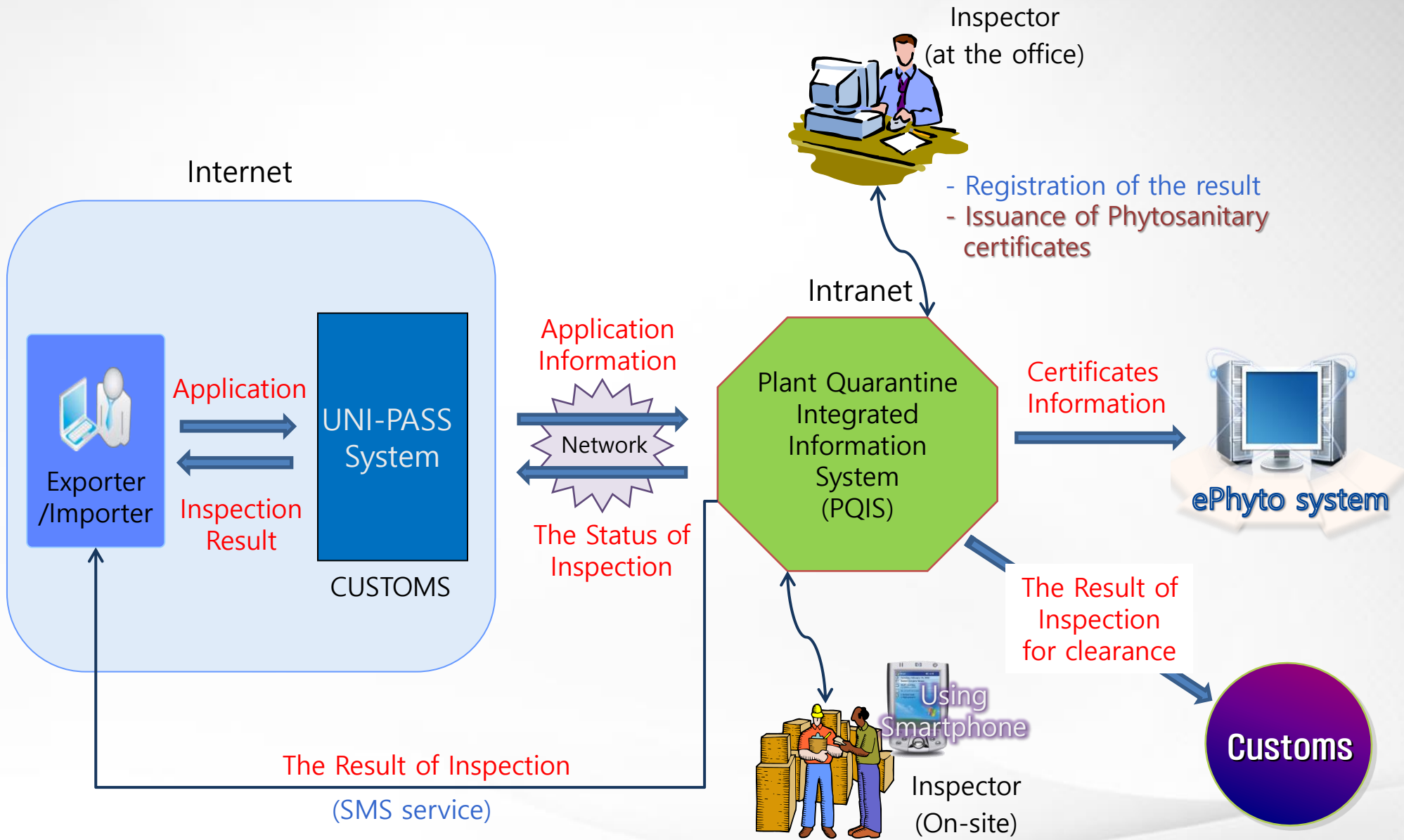


Animal and Plant Quarantine Agency
(Announced by Seiki Jun)
November 10, 2015

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I . Data Flow of Information Systems



II. Korea ePhyto System



Electronic phytosanitary certificates are the electronic equivalent of the wording and data of phytosanitary certificates in paper form, including the certifying statement, transmitted by authenticated and secure electronic means from the NPPO of the exporting country to the NPPO of the importing country. <ISPM 12>

Korea ePhyto System

- Search data of Phytosanitary Certificates on the ePhyto website
- Exchange data of Phytosanitary Certificates using SOAP method
- ※ SOAP(Simple Object Access Protocol) : One of Secure Data Exchange Mechanisms

1. History



Korea ePhyto website was developed in 2004.

- Operation : Taiwan

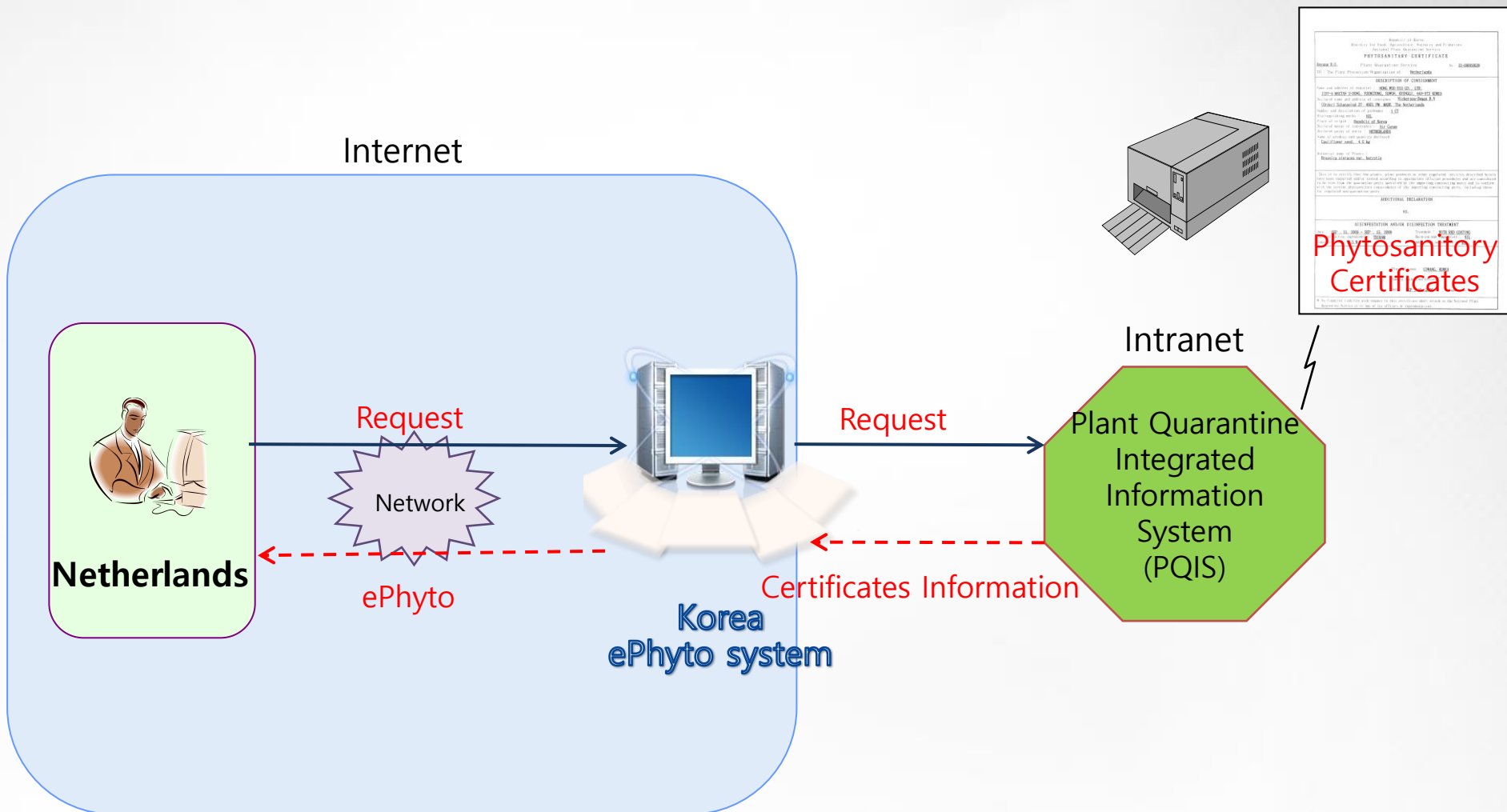
SOAP method to exchange ePhyto was adopted in 2005.

Appendix 1 of ISPM 12 was applied to Korea ePhyto system in 2014.

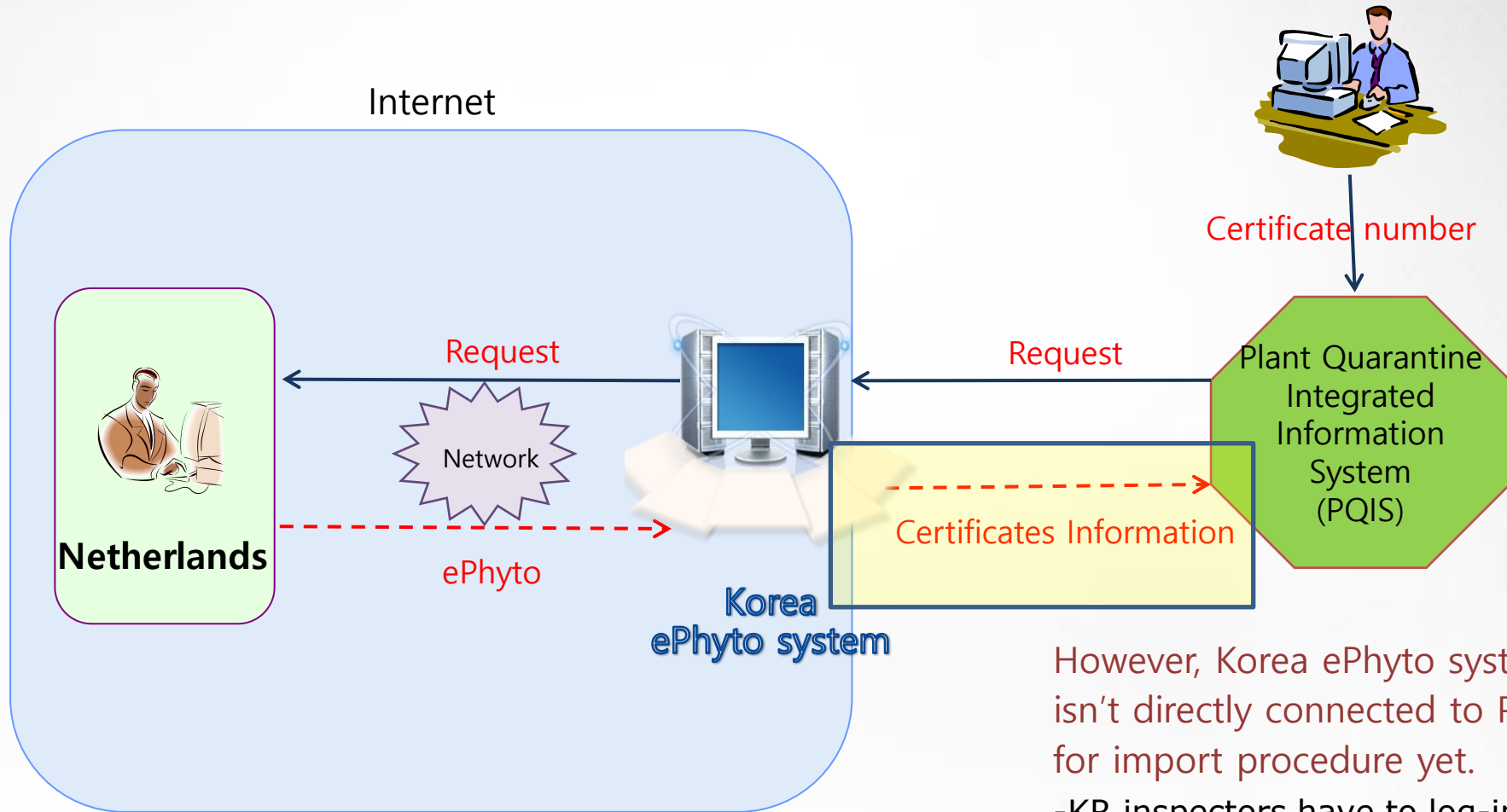
- Pilot : Netherlands

✓ URL address : <https://ecert.pqis.go.kr>

2. ePhyto System(Export)



3. ePhyto System(Import)



However, Korea ePhyto system isn't directly connected to PQIS for import procedure yet.

-KR inspectors have to log-in ePhyto system to search and view ePhytos issued by NL.

4. Demonstration

1 Import Phytosanitary Certificate

> 국가코드 검색

Product Name _____ or _____ or _____

Transport mode: --All--

Cert Issue Date: 2014-09-29 ~ 2014-09-29

Sort by: Certificate Number Descending(Newest First)

Show Results: 10

Status: ALL Accept Reject Request Replacement

Content : Certificate No 96278080

<p>2</p> <p>PHYTOSANITARY CERTIFICATE No. EC / NL / 96278080</p> <p>ORIGINAL</p> <p>3 Declared name and address of consignee International Neul Pureun Namu Business Code: 415 90 8404739 Sangheung RiMarang-MyunGangjin-GunJeongnam-ProvinceSouth Korea</p> <p>6 Declared means of conveyance Air transport</p> <p>7 Declared point of entry Incheon Airport</p> <p>8 Distinguishing marks; number and description of packages; name of produce botanical name of plants</p>	<p>4 Plant Protection Organization of the Netherlands to Plant Protection Organization(s) of KOREA, REPUBLIC OF</p> <p>5 Place of origin AUSTRALIA</p> <p>9 Quantity declared TOTAL 20000.0 piece</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Product (seeds for sowing)</th> <th>Packages</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Eucalyptus gunnii (AUSTRALIA)</td> <td>0 Bag, super bulk</td> <td>20000 piece</td> </tr> </tbody> </table>	No.	Product (seeds for sowing)	Packages	Quantity	1	Eucalyptus gunnii (AUSTRALIA)	0 Bag, super bulk	20000 piece
No.	Product (seeds for sowing)	Packages	Quantity						
1	Eucalyptus gunnii (AUSTRALIA)	0 Bag, super bulk	20000 piece						

2 Import Certificate Lookup

Home > Import Phytosanitary Certificate >

Import Phytosanitary Certificate List

No.	Certificate Number	Place of issue	Export Country	Means of Conveyance	Product Name	Issued Date
6	96278080	De Kwakel	NL	Air transport	Seeds for Sowing	2014-09-
5	96216668	Enkhuizen	NL	Air transport	Seeds for Sowing	2014-09-
4	96133905	enkhuizen	NL	Air transport	Seeds for Sowing	2014-09-
3	96054259	Nunhem	NL	Air transport	Seeds for Sowing	2014-09-
2	95885448	De Lier	NL	Air transport	Seeds for Sowing	2014-09-
1	95884979	De Lier	NL	Air transport	Seeds for Sowing	2014-09-

```

<?xml version="1.0" encoding="UTF-8" ?>
<rsm:SPSCertificate xmlns:rsm="urn:un:unece:unfact:data:standard:SPSCertificate:8"
  xmlns:ram="urn:un:unece:unfact:data:standard:ReusableAggregateBusinessInformationEntity:12"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:un:unece:unfact:data:standard:SPSCertificate:8 SPSCertificate_8p0.xsd">
  <rsm:SPSExchangedDocument>
    <ram:Name>Phytosanitary Certificate</ram:Name>
    <ram:ID>96278080</ram:ID>
    <ram: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.</ram:Description>
    <ram:TypeCode>851</ram:TypeCode>
    <ram:StatusCode>70</ram:StatusCode>
    <ram:IssueDateTime>2014-09-19T00:00:00</ram:IssueDateTime>
  </rsm:SPSExchangedDocument>
  <ram:IssuerSPSParty>
  
```


III. Challenges

1. Legal Matter

- The revision of the law and related regulations to use ePhyto
 - 1) Amendment of law "Plant Protection Act"
 - 2) Amendment of related "Enforcement Regulations"
 - 3) Amendment of related "Notification of the QIA"

2. Operational Matter

- How to use ePhytos : Importer, Inspector, Exporter

3. Technical Matter

- Issues on applying Appendix 1 of ISPM 12
 - 1) Formats
 - 2) Harmonized Terms
 - 3) Exchange Mechanism

1. Legal Matter

The law and related regulations to implement ePhyto are presented and under review in the National Assembly.

→ It might be completed during the first half of 2016.

1) Amendment of the law “Plant Protection Act”

- ePhyto will be officially approved and used like a paper phytosanitary certificate(hard copy).

1. Legal Matter

식물검역대상물품 수입신고 및 검역신청서

(호록)

※ 아래의 작성방법을 읽고 작성하시기 바랍니다.

신고번호	신고일	신고기관	처리기간	10일			
수입자 (받는 자)	성명	생년월일					
	상호	사업자등록번호					
	주소	전화번호					
수출자 (보내는 자)	성명	상호					
	주소						
운송형태(수단)	선(기)명	입할일					
선적항	경유지	국내 도착항					
수출국	원산지	총 포장 개수	단위	총 수량			
과세가격							
전자식물검역증명서 번호							
B/L(AWB)번호	화물관리번호						
품목 수	품목명	학명	HS세번 부호	단위			
수량							
포장재의 상태	미가공 목재			가공목재	4	비목재	5
	열처리(HT)	1	MB훈증				
검역 희망일시	검역(반입) 장소						
신청인 요구사항							
「식물방역법」 제12조와 같은 법 시행규칙 제14조제1항에 따라 검역을 받기 위하여 신청합니다.							
		신청인		년 월 일 (서명 또는 인)			
농림축산검역본부		○○지역본부장 사무소장		귀하			
첨부서류	1. 수출국 식물검역증명서(「식물방역법 시행규칙」 제10조 각 호의 어느 하나에 해당하는 경우와 기지향 전자식물검역증명서 번호의 전자식물검역증명서가 전자식물검역증명서시스템에 등록된 경우는 제외합니다) 1부				수수료 없음		
	2. 부합여기합일지(출시출안 경우만 첨부합니다) 1부						
	3. 별지 제6호서식의 수출(입) 검역 대상 식물 명세서(품목이 2개 이상인 경우만 첨부합니다) 1부						
작성 방법							
포장재의 상태에는 해당 번호에 ○ 표를 합니다.							

Phytosanitary certificate number

2) Amendment of related “Enforcement Regulations”

- ‘Inspection Application Form for Import plant products’ will be revised; including the item of phytosanitary certificate number and giving additional information related to attached papers.

Related to attached papers : When ePhyto mentioned in the inspection application form is arrived in Korea ePhyto system successfully, importers don't need to submit a paper phytosanitary certificate.

1. Legal Matter

3) Amendment of related “Notification of the QIA”

- ① The standard of validity of ePhyto
 - It is equivalent to the standard of validity of a paper phytosanitary certificate(hard copy).
 - Ex) in compliance with ISPM-12

1. Legal Matter

3) Amendment of related “Notification of the QIA”

- ② The recognition of countries to exchange ePhytos
 - If any countries want to exchange ePhytos officially with Korea, the name of the countries should be included in the QIA Notification.
 - ▶ In this case, ePhyto is prior to a paper certificate.

- ePhyto only should be approved, where importing country is the recognized country for ePhyto. Even if an importer submit a paper phytosanitary certificate without ePhyto, it's not approved.
- But when ePhyto isn't received into Korea ePhyto System due to the fact that ePhyto System of the exporting country has some failure or network problems happen, the exporting country should send a formal letter to QIA in order to clarify the cause of ePhyto failure and prove the issuance of a paper certificate instead. Then QIA could approve a paper certificate instead of ePhyto.

2. Operational Matter

User ID, Password

1) Importer

UNI-PASS System(Single Window System) has been developed by Korea Customs Service since 2007.

✓ Coverage

- Plant
- Animal
- Fisheries
- Food

✓ URL address : <http://portal.customs.go.kr>

2. Operational Matter

식물검역대상물품 수입신고 및 검역신청서

공통사항 품목사항

신고기관 신고번호 99999 - 15 - 채번 전송구분 9 원본

상호/성명 npqservice/관세청 테스트 업체091/국립식물검역원
 전화번호 042 - 2222 - 2222 팩스번호
 신고인 요구사항 (대행업체)

[개인일 경우, 업체코드 = "111111112" 또는 상호 = "수입자(개인)" 으로 조회하세요]

업체코드 사업자등록번호 (-생략)
 수입자 상호 성명
 주소 생년월일
 휴대전화번호 (-생략) 유선전화번호
 수출자 상호 성명
 주소

화물관리번호 선(기)명
 입항일 선적항
 기본신고사항 국내도착항 수출국(수입상대국)
 B/L번호 검역(반입)장소코드
 검역희망일 총포장개수/포장종류 /
 운송형태(운송수단) 11-화물(항공) 포장제의 상태 0-해당없음
 원산지 지역코드 경유지
 과세가격 (US\$) 선상검역 대상여부 대상아님

공통사항 품목사항 **Phytosanitary certificate number**

신고번호 99999 - 15 - 021312

품목코드 거래품명
 수량/단위 / 세번부호

총수량 : 0 총란수 : 0 ※ LMO수입승인서 권장만큼 품목추가 추가 수정 삭제 초기화

란번호	품목코드	거래품명	수량	단위	세번부호	선택
데이터가 없습니다.						

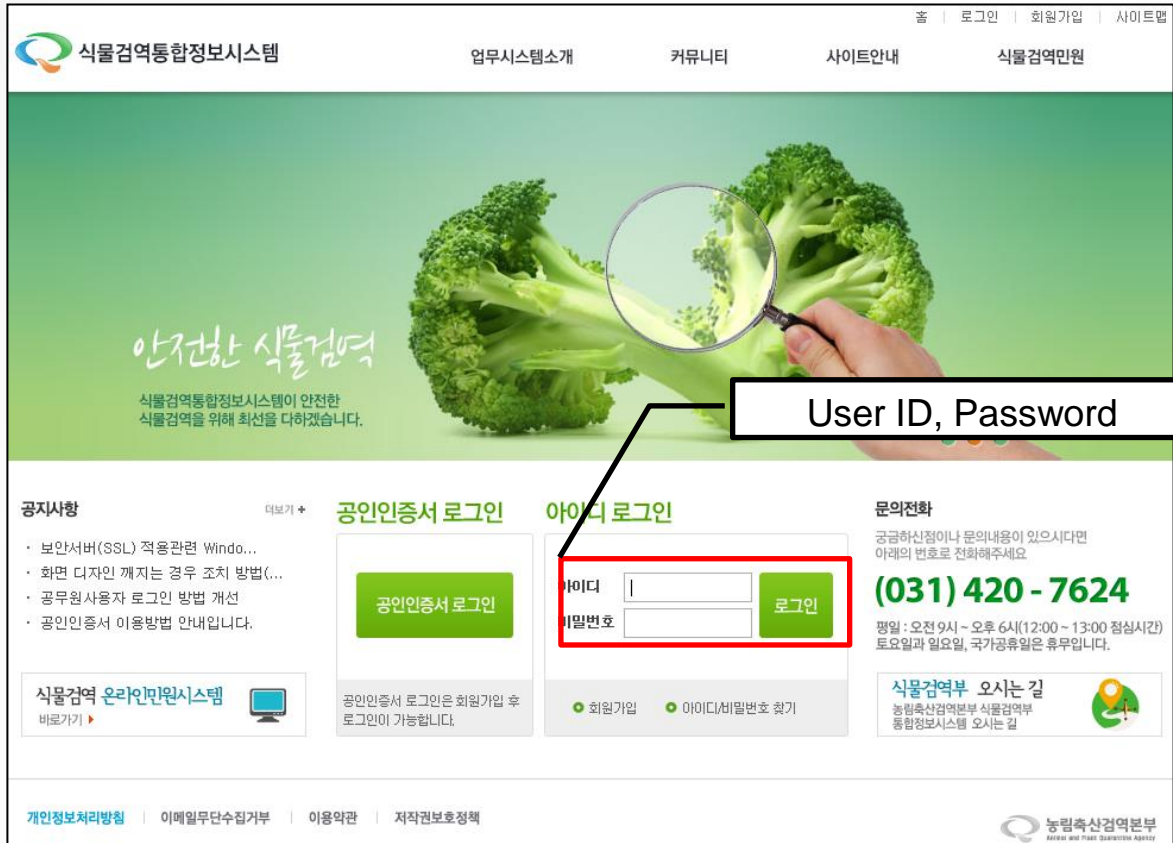
오류검증 인쇄 미리보기 수입신고서 전환 불러오기 로컬임시저장 서버임시저장 전송 취소

1) Importer

- ① When applying for inspection, importers should fill in "Phytosanitary certificate number" in the application form.
- ② If not, they should send a copy of certificate to QIA.

- Inspection Application Form for Import plant products in UNI-PASS System

2. Operational Matter



2) Inspector

PQIS(National Import and Export Information System) is in charge of the whole process of quarantine from accepting inspection application to dealing with results.

- ✓ Develop : 2000
- First Renewal : 2006
- Second Renewal : 2014

✓ URL address : <http://www.pqis.go.kr>

2. Operational Matter

2) Inspector

- In PQIS(Plant Quarantine Integr) could compare the application s received from exporting country

○ 검역신청정보


관할기관	영남지역본부	영남지역본부	민원담당자	3001
민원신청번호	30 - S196715020305		민원신청일자	2015
검역신청번호	30 -		접수일자	2015
수출입구분	수입		검역희망일자	2015
입항일자	2015-11-02		처리기한	
보세장치번호	03012226		검역장소	부산
열처리작업결과번호		출발	전자검역증번호	
선상검역대상	<input type="checkbox"/> 선상검역대상여부		자해상태	전수
검역구분	<input type="radio"/> 서류검역 <input checked="" type="radio"/> 현장검역 <input type="radio"/> 전량하역		지연신고	<input type="radio"/> 예
보완서류	수출국식물검역증명서			
관련문서 정보	<input type="checkbox"/> 소득계획서 <input type="checkbox"/> 소득처리동의서 <input type="checkbox"/> LMO검역신청		※ 검역신청 접수 후, 관련민원을 접수	
파일첨부	20151102145159.pdf			

○ 업체 정보

수출입업체명	111676049 (유)돌코리아	대표자성명	제업
생년월일		사업자번호	
전화번호	0220403831	휴대전화	
도로명 주소	서울 강남구 영동대로 511, 12층 (삼성동, 무역센터트레이드타워)		
법정동 주소			
송수하인업체명	GOODLIFE COMPANY LIMITED	성명	
주소			

○ Import Phytosanitary Certificate Content : Certificate No 104256185

Status : **Issued**

1 Name and address of exporter Rijk Zwaan Export B.V. Burg. Crezeelaan 402678 KX DE LIERNetherlandsNL	2 PHYTOSANITARY CERTIFICATE No. EC / NL / PCNU 104256185												
3 Declared name and address of consignee A-Reum Co., Ltd. 394-6 Yugokro, Inwol-Myeon590-840 NAMWON CITY, JEONBUK PROVINCEKorea, Republic of	4 Plant Protection Organization of the Netherlands to Plant Protection Organization(s) of KOREA, REPUBLIC OF												
	5 Place of origin Several countries												
6 Declared means of conveyance Air transport	 Ministry of Economic Affairs												
7 Declared point of entry Incheon Intl Apt / Seoul													
8 Distinguishing marks: number and description of packages; name of produce botanical name of plants	9 Quantity declared TOTAL 2,017 kilogram												
<table border="1"> <thead> <tr> <th>No.</th> <th>Product (seeds for sowing)</th> <th>Packages</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Capsicum annuum (CHINA)</td> <td>45 Bag, super bulk</td> <td>0.357 kilogram</td> </tr> <tr> <td>2</td> <td>Capsicum annuum (NETHERLANDS)</td> <td>213 Bag, super bulk</td> <td>1.66 kilogram</td> </tr> </tbody> </table>		No.	Product (seeds for sowing)	Packages	Quantity	1	Capsicum annuum (CHINA)	45 Bag, super bulk	0.357 kilogram	2	Capsicum annuum (NETHERLANDS)	213 Bag, super bulk	1.66 kilogram
No.	Product (seeds for sowing)	Packages	Quantity										
1	Capsicum annuum (CHINA)	45 Bag, super bulk	0.357 kilogram										
2	Capsicum annuum (NETHERLANDS)	213 Bag, super bulk	1.66 kilogram										
<p>< TEXT END ></p>													
<p>10 This is to certify that the plants, plant products or other regulated articles described herein:</p> <ul style="list-style-type: none"> - 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 - are considered to conform with the current phytosanitary requirements of the importing contracting party, including those for regulated non-quarantine pests. 													
<p>11 Additional declaration</p> <p>< TEXT END ></p>													
<p>DISINFESTATION AND/OR DISINFECTION TREATMENT</p>													
12 Treatment	18 Place of issue De Lier												
	Date : 26-06-2015												
	Name of authorized officer : A.H.S. van der Made												
13 Chemical(Active ingredient)	Stamp of Organization:												
14 Duration and temperature													

2. Operational Matter

Republic of Korea Ministry of Agriculture, Food and Rural Affairs Animal and Plant Quarantine Agency	
PHYTOSANITARY CERTIFICATE	
Animal and Plant Quarantine Agency of <u>Yeosuam R.O.</u>	No. <u>30-15003195</u>
TO : The Plant Protection Organization of <u>Japan</u>	
DESCRIPTION OF CONSIGNMENT	
Name and address of exporter : <u>KANG WON TRADING CO LTD</u> <u>#403, 28-29, UNCHEON-GIL, CHUNGCHEON-SI GANGWON-DO, KOREA</u>	
Declared name and address of consignee : <u>JALUX INC</u> <u>3-32-42, HIGASHI SHINAGAWA SHINAGAWA-KU TOKYO JAPAN</u>	
Number and description of packages : <u>800 CT</u>	
Distinguishing marks : <u>NIL</u>	
Place of origin : <u>Republic of Korea</u>	
Declared means of conveyance : <u>Ship Cargo</u>	
Declared point of entry : <u>SHIMONOSEKI</u>	
Name of produce and quantity declared : <u>Paprika . 4,000 kg</u>	
Botanical name of Plants : <u>Capsicum annuum L.</u>	
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.	
ADDITIONAL DECLARATION	
NIL	
DISINFESTATION AND/OR DISINFECTION TREATMENT	
Date : <u>NIL</u>	Treatment : <u>NIL</u>
Chemical (active ingredient) : <u>NIL</u>	Duration and temperature : <u>NIL</u>
Concentration : <u>NIL</u>	Additional information : <u>NIL</u>
Place of issue : <u>BUSAN, KOREA</u>	
Name of authorized officer : <u>JUNG BHN JU</u>	
Date : <u>July . 29. 2015</u> (Signature)	
* No financial liability with respect to this certificate shall attach to the Animal and Plant Quarantine Agency or to any of its officers or representatives.	

3) Exporter

- ① (Transition Period) Issue a paper certificate to exporters while sending ePhyto to the NPPO of the importing country
- ② When both sides(Korea and importing country) reach an agreement to use ePhyto only, QIA doesn't issue a paper certificate anymore. Instead, QIA would notice the number of ePhyto to exporters.

3. Technical Matter

1) Format : Additional Information

1 Name and address of exporter
Monsanto Holland B.V.
Leeuwenhoekweg 52
2661 CZ Bergschenhoek
The Netherlands

2 **PHYTOSANITARY CERTIFICATE**
No. EC / NL / PCNU 101780849
ORIGINAL

3 Declared name and address of consignee
MONSANTO KOREA LTD
JONGNO GU
S TOWER 12F 82 SAEMUNAN RO
SEOUL
110700
SOUTH KOREA

4 Plant Protection Organization of the Netherlands
to Plant Protection Organization(s) of
KOREA, REPUBLIC OF

5 Place of origin
FRANCE

6 Declared means of conveyance
Aircraft

7 Declared point of entry
KOREA, REPUBLIC OF

8 Distinguishing marks, number and description of packages; name of produce
botanical name of plants
0804656833

9 Quantity declared
TOTAL
0.151 kg
0.151 kg

Ministry of Economic Affairs

Order number: 0804656833/5004828872
IRN: 4059101
-- < TEXT END > --

• Order number:
0804656833/5004828872
• IRN: 4059101
-- < TEXT END > --

Some additional information as above in a paper certificate aren't included exactly in 'Mapping ISPM12 to ePhyto standard'.

■ Mapping ISPM12 to ePhyto standard

Distinguishing marks	Distinguishing marks on packages	EPT	SPSConsignment_IncludedSPSConsignmentItem_IncludedSPSTradeLineItem_PhysicalSPSPackage_PhysicalSPSShippingMarks_Marking	E.g. lot number, serial number or brand name
		EPT	SPSConsignment_IncludedSPSConsignmentItem_IncludedSPSTradeLineItem_ProductionBatchID	E.g. batch number
Conveyance identification numbers or names		COT	SPSConsignment_UtilizedSPSTransportEquipment_ID	E.g. container identification
		COT	SPSConsignment_UtilizedSPSTransportEquipment_AffixedSPSSeal_ID	E.g. seal number
		EPT	SPSConsignment_IncludedSPSConsignmentItem_IncludedSPSTradeLineItem_AssociatedSPSTransportEquipment_AffixedSPSSeal_ID	

3. Technical Matter

1) Format : Missing the mandatory field

Republic of Korea
Ministry of Agriculture, Food and Rural Affairs
Animal and Plant Quarantine Agency

PHYTOSANITARY CERTIFICATE

Animal and Plant Quarantine Agency of Muan D.O. No. 42-15000513

TO : The Plant Protection Organization of Netherlands

DESCRIPTION OF CONSIGNMENT

Name and address of exporter : Asia Seed Co., Ltd
7th Floor, Baegam Building, 150 Jungdae-Ro, Songpa-Gu, Seoul, KOREA

Declared name and address of consignee : Uniseeds Select BV
Zernikestraat 9, 2665 JJ Bleiswijk, The Netherlands

Number and description of packages : 1 CT

Distinguishing marks : NIL

Place of origin : Republic of Korea

Declared means of conveyance : Mail

Declared point of entry : Address, The Netherlands

Name of produce and quantity declared :
Radish seed, 500 g

Botanical name of Plants :
Raphanus sativus L.

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.

- Mapping ISPM12 to ePhyto standard

The item of '**SPSConsignment_IncludedSPSConsignmentItem_IncludedSPSTradeLineItem_Description**' is mandatory. But there is no mention of 'Mandatory' or 'Optional' in 'Mapping ISPM12 to ePhyto standard'.

Name of produce and quantity declared Botanical name of plants	(Sufficient) Description of the commodity	QPT	SPSConsignment_IncludedSPSConsignmentItem_IncludedSPSTradeLineItem_Description	
		QPT	SPSConsignment_IncludedSPSConsignmentItem_IncludedSPSTradeLineItem_ProductionBatchID	

Place of issue : MUAN, KOREA

3. Technical Matter

1) Format : Treatment

Republic of Korea Ministry of Agriculture, Food and Rural Affairs Animal and Plant Quarantine Agency				
Disinfestation and/or Disinfection Treatment	Treatment	QPT	SPSConsignment_IncludedSPSConsignme ntItem_ IncludedSPSTradeLineItem_AppliedSPSP rocess_ TypeCode	When code list is ext ended with codes of WG2 E.g. FU(Fumigation) (see Slide 22)
		QPT	SPSConsignment_IncludedSPSConsignme ntItem_ IncludedSPSTradeLineItem_AppliedSPSP rocess_ TypeCode	When code lists is n ot extended with co des of WG2 UNECE_ProcesType Code_D09B.xsd E.g. 45 (Treating) 16(Fumigation)

- Mapping ISPM12 to ePhyto standard

WOODEN BOX, 3 pc(s)

Botanical name of Plants :
N/A

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ADDITIONAL DECLARATION
THIS WOOD PACKAGING MATERIAL HAS BEEN FUMIGATED WITH METHYL BROMIDE, AND ALSO THIS CERTIFICATE IS ISSUED BY NPQS BEFORE SHIPPING.

DISINFESTATION AND/OR DISINFECTION TREATMENT

Date : NOV. 12. 2012 - NOV. 13. 2012 Treatment : FUMIGATION

Chemical (active ingredient) : MB(CH₃ Br) Duration and temperature : 24:00 , 13°C

Concentration : 64 g/m³ Additional information : NIL

There are two 'TypeCode' for the item of 'Treatment' in 'Mapping ISPM12 to ePhyto standard'. In this case, the type of treatment is "Fumigation". To describe this element, possible 'TypeCode' is 'FU' and '16'.

Place of issue : PYEONGTAEK, KOREA

3. Technical Matter

2) Harmonized Terms : IPPC Commodity Class

✓ Mapping KR code with IPPC code

First level: general description of type of product	Possible Code	KR Code (First)	Second level: further specification of type of product	Description	Possible Code	KR Code (Second)
Plants for planting (새식)	PLFPL	1	Seeds	종자류	SEE	1.종자
			Plants in-vitro with roots	뿌리가 있는 시험관내 식물	IVR	
			Plants in-vitro without roots	뿌리가 없는 시험관내 식물	IVU	
			Underground organs (e.g. bulbs, tubers, rhizoms, stolons, corms)	지하 유기체 (구근, 덩이줄기, 리종, 기는 줄기, 구경(알줄기))	BTR	3.구근
			Budwood	눈접종 접가지	BUD	4.접수
			Cuttings or saplings with roots	뿌리가 있는 꺾꽂이순 또는 묘목	CSR	2.묘목
			Cuttings without roots	뿌리가 없는 꺾꽂이순	CNR	5.삽수
			Other plants for planting	재식류 기타	OTH	9.기타
Plants other than plants for planting (비새식)	PLOTH	2	Grain	곡물	GRA	1.곡류
			Cut flowers, cut herbs, cut branches with foliage	잎이 있는 절화, 초류, 가지류	CBF	4.화훼류
			Cut flowers, cut herbs, cut branches without foliage	잎이 없는 절화, 초류, 가지류	CNF	
			Fruits and vegetables	과일, 야채	FRV	2.과실류 3.채소류
			Pollen	꽃가루(화분)	POL	★ 2599 1697 2599 1887 2599 5070 2599 5071 2599 5072 2599 5073
			Round wood with bark	껍질이 있는 통나무	RWB	5.수목류
			Round wood without bark	껍질이 없는 통나무	RWN	1.원목 (RW)
			Sawn wood with bark	껍질이 있는 제재목	SWB	5.수목류
			Sawn wood without bark	껍질이 없는 제재목	SWN	2.제재목 (SW)
			Wood packaging material	목재 포장재 자재	WPM	★ 2599 0235 2599 1555 2599 1999 2599 2028 2599 2029 2599 2212
			Wood sawdust	나무 톱밥	WSD	2591 1532
			Wood shavings	대팻밥	WSH	2591 1913
			Wood chips	나무 조각	WCH	2591 1185
			Wood scrap	나무 토막	WSC	
			Other wood and wood waste	기타 나무 및 목재폐기물	WOT	2591 9999
			Bark	나무 껍질	BAR	2599 0937

Third level: Processing	Description	Possible code	KR Code (Second)	KR Code (Third)	KR Code (Second)
Dried	건조	DR		2.건	1.원곡
Chopped	잘게 썬, 다진	CH	2.과실류		1.곡류
Peeled and shelled	껍질을 벗긴	PS	3.채소류		
Fresh	시선	FS	4.화훼류	1.생	
Frozen	냉동	FZ	5.수목류	3.냉동	
Crushed	분말(으깬, 다진)	CR		2.가공	
Polished	유이 나는	PL			
Painted	얼룩진	PA			
With growing medium, unpotted	생육배양액	GU			
Potted	화분에 심은	PO			
Baled	더미(뭉치)	BA			
Bare-rooted	나근	BR			
Dressed, planed or profiled (of wood)	대패로 밀거나 성형된	DP			

Fourth level: Intended use	Description	Possible code
For research purpose	연구	FR
For consumption	소비	FC
For processing	가공	FP
For us as aquatic plants	수생식물	FA

It's not applicable to KR National System(PQIS).

3. Technical Matter

3) Exchange Mechanism

✓ Standardization of Webservice(function name and functionalities)

id	Action	Service	Description	Service	KR	NL
2.1	Find a list of certificates	<u>Find_certificate</u>	Put the request to the NECS to return all certificates. Request input criteria: Request number	2.1 Find_certificate	findCertificateData (code, utc_from, utc_to) findReCertificateData (code, utc_from, utc_to)	find_certificates_by_update_date_and_status (page, utc_from, utc_to, status)
2.2	Download a list of certificates	<u>get_certificate</u>	Put the request to the NECS to return all certificates. Request criteria: Request number, the NECS	2.2 get_certificate	getCertificateData (ecertNo) getReCertificateData (ecertNo)	get_signed_official_certificate_xml (shoulder_no)
2.3	Change the status of a certificate	<u>Put_certificate_status</u>	Put the request to the NECS to change the status of a certificate. Request input criteria: Request number, Request status	2.3 Put_certificate_status	acknowledge_certificate (certNo, code, reason) accept (certNo, code, reason) reject (certNo, code, reason) request_replacement (certNo, code, reason)	acknowledge_certificate (shoulder_no, reason) accept_certificate (shoulder_no, reason) reject_certificate (shoulder_no, reason) request_replacement_certificate (shoulder_no, reason)
2.4	Show the status of a certificate	<u>Show_certificate_status</u>	Put the request to the NECS to show the status of a certificate. Request input criteria: Request number	2.4 Show_certificate_status		
2.5	Show status of the NECA	<u>Hart_beat</u>	Put the request to the NECS to show the status of the NECA. Request input criteria: Request number	2.5 Hart_beat		

3. Technical Matter

Nr	Element	M/C/O	Min	Max	Format	Functional
1	Request_find_certificate					
2	IssueDateTimeFrom	O	0	1		The start of the Interval of the Selection
3	IssueDateTimeTo	O	0	1		The end of the Interval of the Selection
4	CertificateStatus	O	0	N	A10	The list of Certificate status

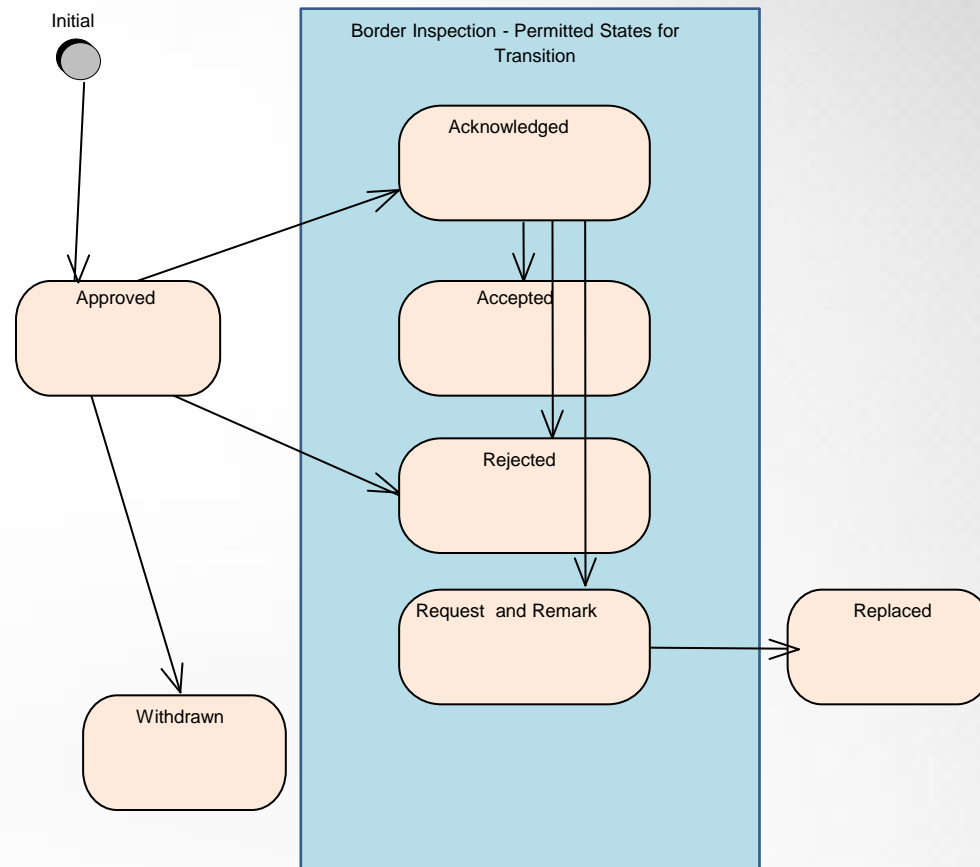
Nr	Element	M/C/O	Min	Max	Format	Functional
1	Response_find_certificate					
2	SPSExchangedDocument		0	N		
3	Name	M	1	1		Name from SPS Exchange Document
4	ID	M	1	1		ID from SPS Exchange Document
5	IssueDateTime	M	1	1		IssueDateTime from SPS Exchange Document
6	CertificateStatus	O	0	1		Name from SPS Exchange Document

➤ Element "CertificateStatus"

- Is the schema of "UNECE_StatusCode" used for this element?
i.e.) 39 : Approved, 41 : Rejected, 44 : Replaced, 70 : Issued

3. Technical Matter

Status	Value	Brief Description
Approved	39	The Certificate is approved by the Export Agency (consignor inspector).
Acknowledged	?	The Certificate is acknowledged as having been received by the Import Agency (border inspection).
Accepted	?	The Certificate is accepted by the Import Agency (border inspection). This does not mean the acceptance of the actual consignment; rather it is the acceptance of the certificate data.
Rejected	41	The goods are refused entry by the Import Agency and the certificate is rejected.
Request Replacement	?	When an 'Approved' Certificate is to be replaced at the request of the Import Agency.
Withdrawn	40	When an 'Approved' Certificate is withdrawn by the Export Agency
Replaced	44	When an 'Approved' Certificate has been replaced at the request of the Import Agency.



- It's better to define the value of status clearly in the standard.

IV. Next Step

1. Participation to IPPC ePhyto

- Modification to established standard of XML, schema, Harmonized Terms (Code lists) and Exchange Mechanism
- Support for IPPC Global Hub

2. Development of Point-to-Point exchange

1) With the Netherlands(2016)

- The expansion of the range of Phytosanitary products for the Pilot Test ; Seeds for sowing ⇒ All plant products
- To be in a real operation of exchanging ePhytos for all plant products by the time the law and related regulations are revised

2) Other countries(2016 ~)

- Determination of the partners based on feasibility such as trade volume, cooperation will, technology and experience on ePhyto, etc...



Thank you

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