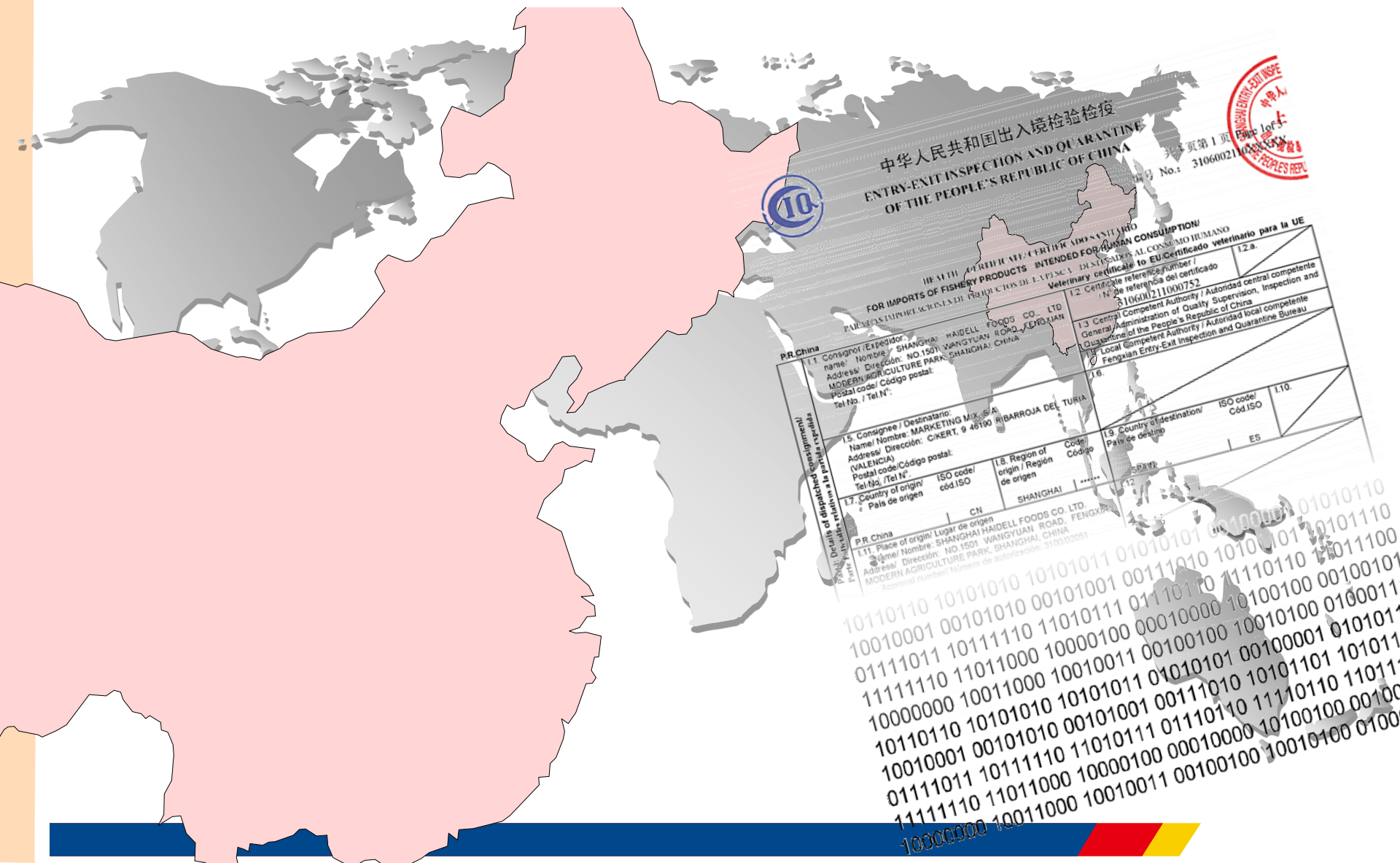


China's International E-Cert Cooperation



The system interface



 **GENERAL ADMINISTRATION OF QUALITY SUPERVISION,
INSPECTION AND QUARANTINE OF THE PEOPLE'S REPUBLIC OF CHINA**

CHINA INSPECTION AND QUARANTINE E-CERT SYSTEM

WELCOME TO E-CERT SYSTEM

[User Guide \(Update: 2010-02-02\)](#)

User Name:

Password:

Login **Register**



1

Background

2

Features

3

Development & Achievements

4

Main Problem

5

Suggestions



A cartoon illustration of a woman with brown hair, wearing a white shirt and a red vest, standing behind a grey podium. She has her mouth open as if speaking and her hands are raised in a gesture. The podium has a white sheet of paper on it. The background is a light blue gradient with faint, illegible text.



中华人民共和国出入境检验检疫
ENTRY-EXIT INSPECTION AND QUARANTINE
OF THE PEOPLE'S REPUBLIC OF CHINA

副本
COPY

植物检疫证书
PHYTOSANITARY CERTIFICATE

编号 No. 310800211005547

发货人名称及地址
Name and Address of Consignor SHANGHAI MOTHER EARTH HORTICULTURE SEEDLINGS CO., LTD.
NO.4716 HUNAN RD, NANJIUI SHANGHAI CHINA

收货人名称及地址
Name and Address of Consignee SCHREURS HOLLAND B.V.
HOOFDWEG 81, 1424 PD DE KWAKEL HOLLAND

品名
Name of Produce GERBERA JAMESONII 植物学名
Botanical Name of Plants GERBERA JAMESONII

报检数量
Quantity Declared **22373PCS.

包装种类及数量
Number and Type of Packages **4CTNS.

产地
Place of Origin SHANGHAI, CHINA

到达口岸
Port of Destination AMSTERDAM, HOLLAND

运输工具
Means of Conveyance BY AIR 检验日期
Date of Inspection 2011.3.1

兹证明上述植物、植物产品或其他检疫物已经按照规定程序进行检查和/或检验,被认为不带有输入国或地区规定的检疫性有害生物,并且基本不带有其他的有害生物,因而符合输入国或地区现行的植物检疫要求。

This is to certify that the plants, plant products or other regulated articles described above have been inspected and/or tested according to appropriate procedures and are considered to be free from quarantine pests specified by the importing country/region, and practically free from other injurious pests; and that they are considered to conform with the current phytosanitary requirements of the importing country/region.

杀虫和/或灭菌处理 DISINFESTATION AND/OR DISINFECTION TREATMENT

日期
Date *** 药剂及浓度
Chemical and Concentration ***

处理方法
Treatment *** 持续时间及温度
Duration and Temperature ***

附加声明 ADDITIONAL DECLARATION

NO. DD110304B



印章
Official Stamp 签证地点 Place of Issue SHANGHAI 签证日期 Date of Issue 2 MAR, 2011

授权签字人 Authorized Officer 签名 Signature

中华人民共和国出入境检验检疫机关及其官员或代表不承认签发本证书的任何经济责任。No financial liability with respect to this certificate shall attach to the entry-exit inspection and quarantine authorities of the P. R. of China or to any of its officers or representatives.

[e 5-1(2000. 1. 1)]



AA0110113

- The certificates are the documents to certify that the entry-exit consignments are in conformity with the provisions of the laws and regulations.
- With the documents and certificates, the consignments can be smoothly processed by Customs at ports.





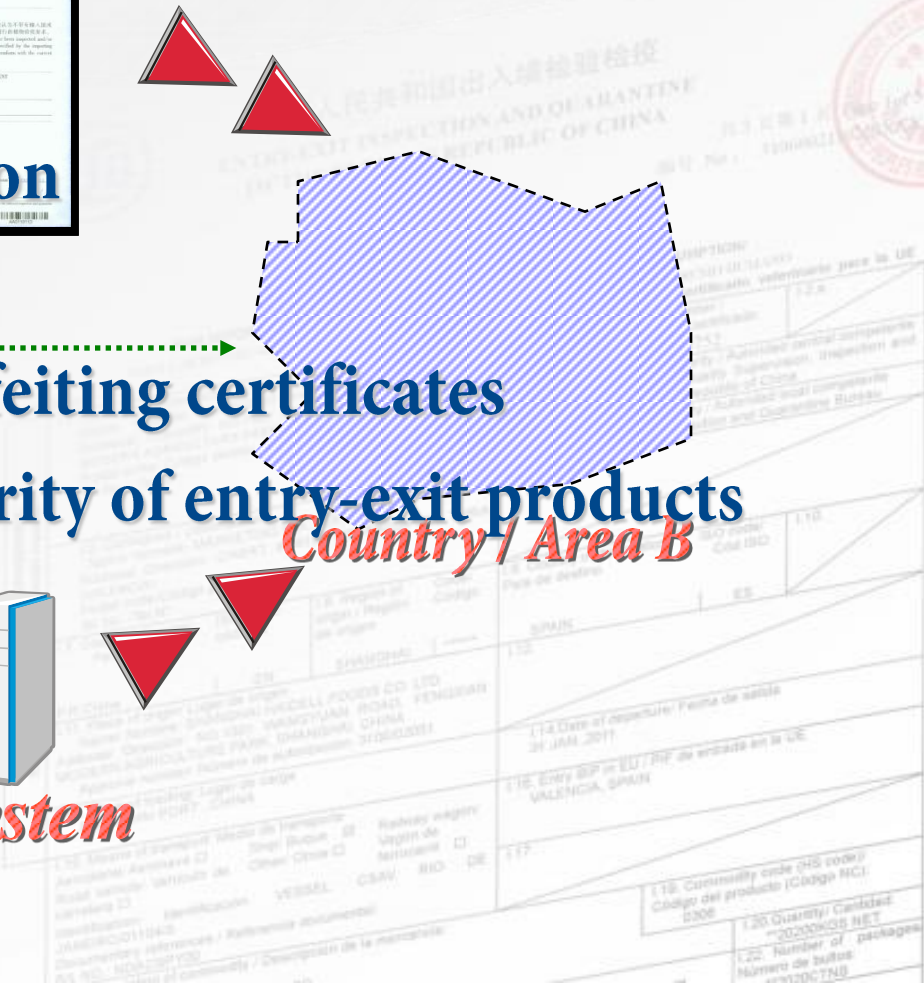
The certificate also can:

- Promote trade facilitation
- Prevent trade fraud
- Crack down on counterfeiting certificates
- Ensure quality and security of entry-exit products

Country / Area A

Country / Area B

E-Cert system

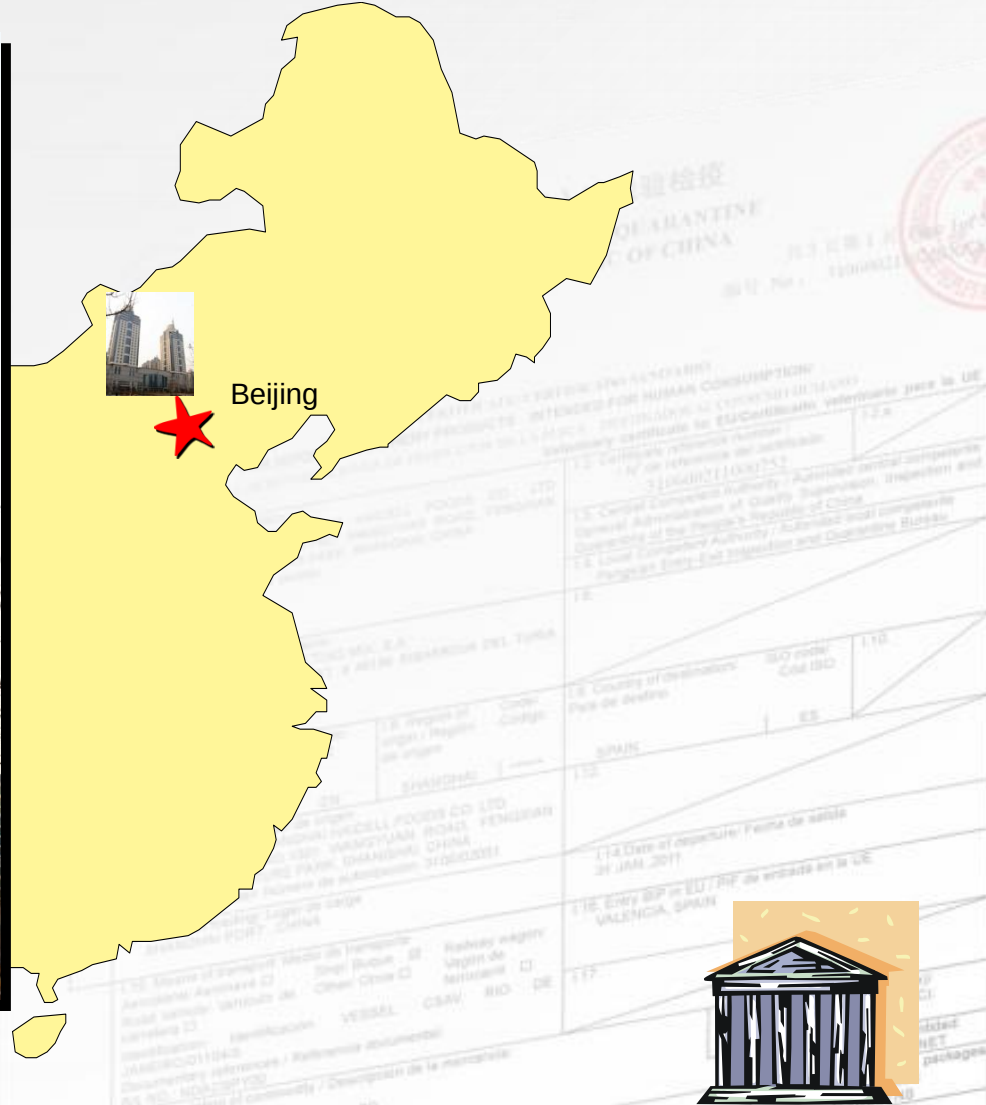


- AQSIQ



- AQSIQ takes responsibilities for national entry-exit inspection, quarantine and certification.





- AQSIQ



- 300 branches
- 200 local offices



- A huge amount of certificates

- Every year, 2.25 million export certificates are issued, and 0.33 million import certificates need to be verified.

**Improving Efficiencies
Needed**

**Assure the authenticity and accuracy to
accelerate consignment clearance**

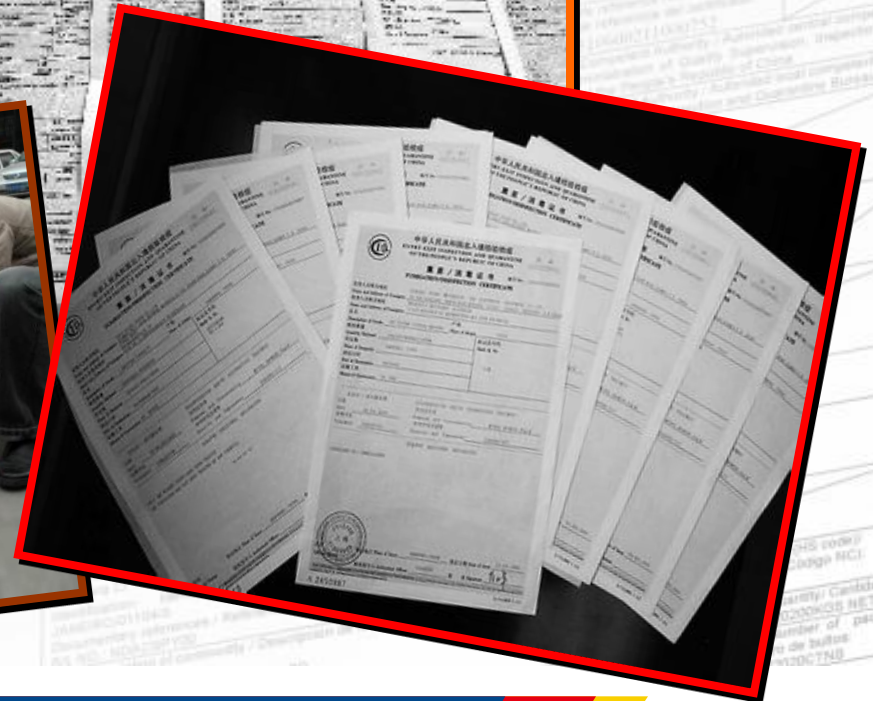
**Counterfeiting certificates
increased**

**Severely impact seriousness and
authority, bring great harm to the
healthy development of international
trade**



- Countermeasures

- In order to maintain the reputation of Chinese-made products, AQSIQ has committed to take effective measures to improve quality and efficiencies, cracked down on counterfeiting certificates.



- The fundamental solution

- The fundamental solution to counterfeiting certificates and the most effective way to promote trade facilitation is to set up international mechanism of on-line verification on e-cert, by close cooperation between governments.
- The development of international e-cert cooperation, and the improvement of the electronic inspection and quarantine, has created opportunities and conditions for China E-cert project.

A background image of a complex international trade document, likely a Certificate of Origin or a similar customs form. The document contains various fields, stamps, and text, including "IN THE PEOPLE'S REPUBLIC OF CHINA" and "VALENCIA, SPAIN". There are also red gears in the bottom right corner of the document area.

The cooperation mechanism with other countries on electronic certification has been gradually established.





China E-cert



- The Main Features

1. Standardization



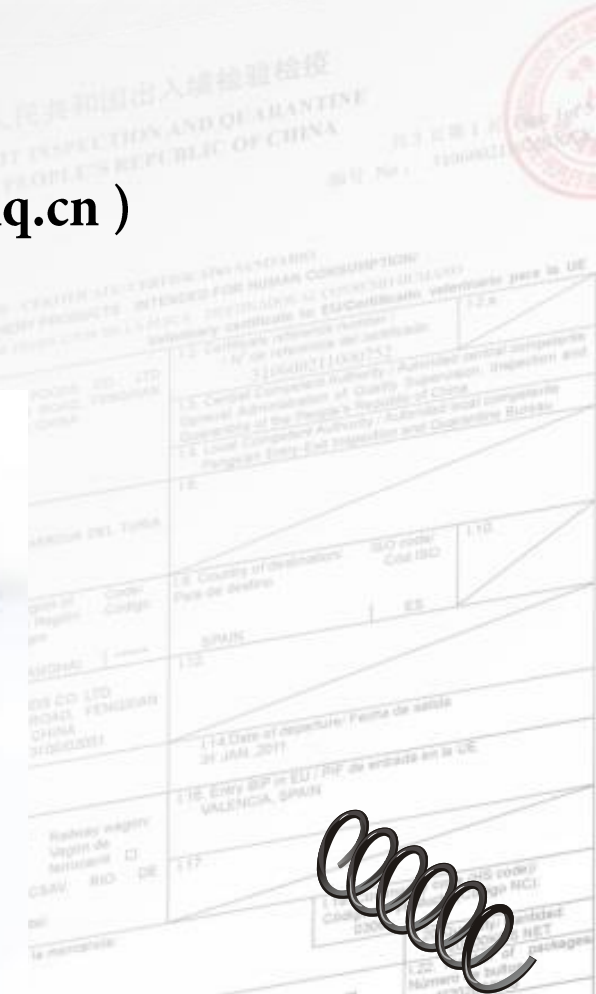
- Designed in accordance with international standards.
- Conforming to the UN/CEFACT E-cert Data Standard model
- Data transmitted in the extensible Markup Language (XML)

```
<certificates>
  <certificate no="NZL2009/AER1/36" status="Approved">
    <issue_date year="2009" month="3" day="26" hour="19" minu
    <exporting_country country_code="NZ">
      <country_name>New Zealand</country_name>
      <competent_authority>New Zealand Food Safety Authority</
    </exporting_country>
    <importing_country country_code="NZ">
      <country_name>New Zealand</country_name>
    </importing_country>
    <title>
      <text language="en"><![CDATA[ Certificate for Animal Product
]]></text>
    </title>
```

```
<xs:element name="exporting_country">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="country_name"/>
      <xs:element ref="competent_authority"/>
    </xs:sequence>
    <xs:attribute name="country_code" type="string_2" use="required"/>
  </xs:complexType>
</xs:element>
<xs:element name="country_name" type="string_254"/>
```

for Human Consumption Exported from New Zealand

-



-



- The Main Features

4、Timeliness



- Verify e-cert information in real time
- Submit online inquiry
- Adopt measures according to verification results and reply immediately

Interactive Informations			
Type	Operator	Date	Content
Request	fda	2009-04-10	Please provide a certificate explanation.
Response	110000200707300006	2009-04-17	Please check mail.

Verification Information	
Verification Result	☒ Pass ☐ Refuse ☐ Request
Remark	
Submit Back	



- The Main Features

5、

Security



- Secure Hypertext Transfer Protocol (HTTPS)
- 128 bit encryption
- User authentication



ION AND QUARANTINE E-CERT SYSTEM

Register

User Name*

test

Password*

••••••••••

Orgnization Name*

Telephone*

- The Main Features

6、Simplicity



- Friendly interface
- Easy to operate
- User Guide on home page

Current User: ccs
Country/Region: United States

Import Cert Verification
E-Cert Verification
Text Cert Verification

Import Cert View
Export Cert Data Input
User Info Administration

Exit

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GENERAL INFORMATION

The purpose of this user's guide is to provide general information and instructions to foreign users regarding use of the CHINA INSPECTION AND QUARANTINE ELECTRONIC CERTIFICATE SYSTEM (China E-cert System).

NOTE ON THE SYSTEM

For the purpose of promoting healthy development of trade in food and agricultural products as well as trade facilitation, the China Inspection and Quarantine Electronic Certificate System (China E-cert) was developed by AQSIQ, which has come into effect recently. The use of this system will also provide effective prevention to China Inspection and Quarantine (CIQ) certificates from illegal forgeries and alterations.

I. The China E-cert has opened to all your authorities from now. The text information regarding export Certificates officially issued by our local CIQ authorities after 1st January 2010 is currently available on the system for verifications.

Meanwhile, the function of *Export Cert Data Input* enables your authorities to input and send SPS certificate information of your export products as assistance for inspection and quarantine.





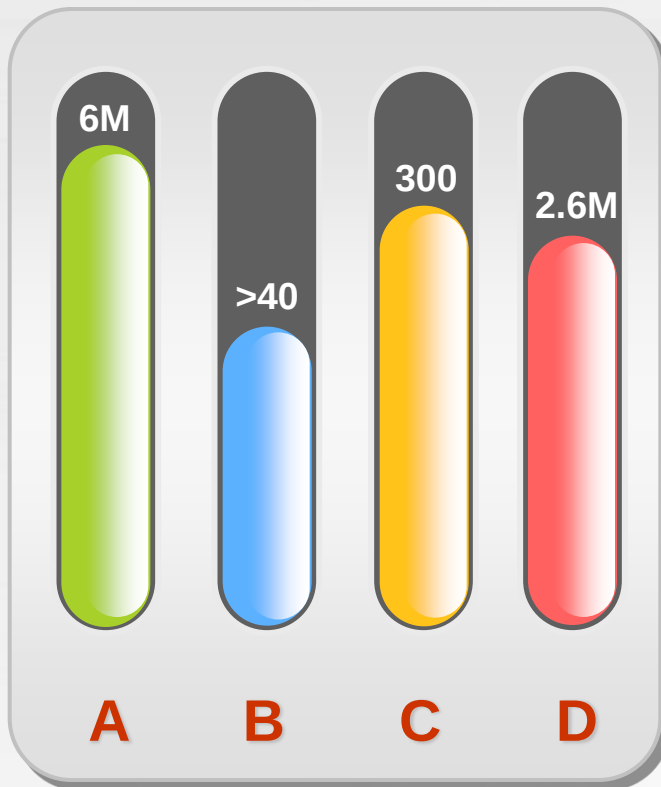
3. The development & achievements of China's international e-cert cooperation



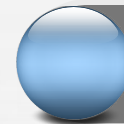
- Expand E-cert cooperation



- Development & Achievements



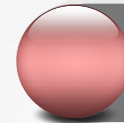
A. Over 6 million E-certs uploaded



B. Over 40 countries using the system



C. Nearly 300 officials using the system



D. 2.6 million E-certs verified



- Cooperative agreements signed



70,000 e-certs received



- Countries or areas communicated



- ✿ New Zealand
- ✿ Australia
- ✿ Netherlands
- ✿ Singapore
- ✿ Chile
- ✿ Iran
- ✿ Egypt
- ✿ Belgium
- ✿ France
- ✿ Chinese Taiwan
- ✿ Thailand
- ✿ South Korea



- Benefits



Promoting international trade facilitation

Ensure quality, hygiene & security of I/E products

Effectively preventing counterfeiting certificates

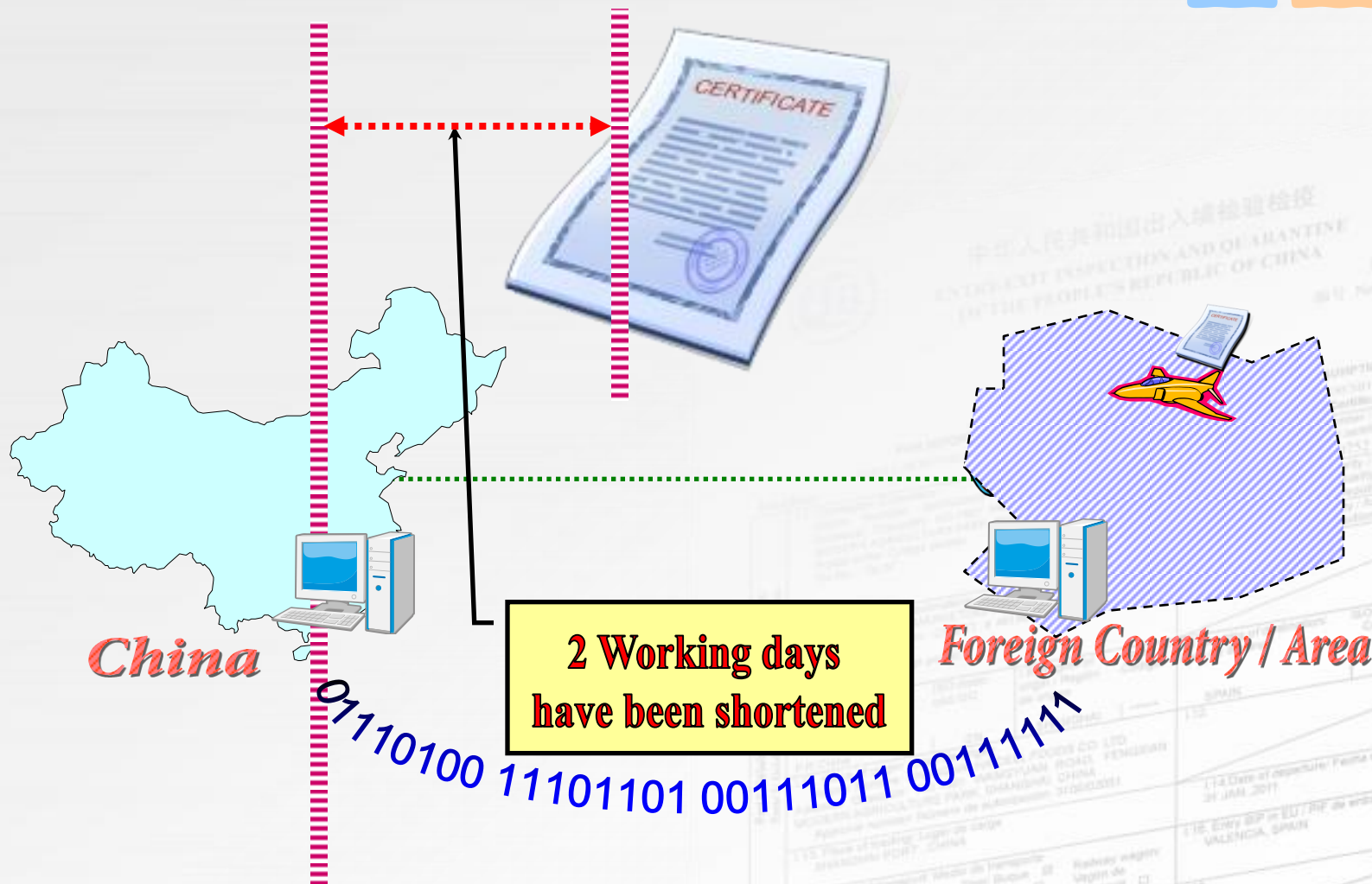
Enhancing security of official certificates

Facilitating consignments clearance

Benefits of the implementation of e-cert



1. Speed up consignments clearance



2. Effectively prevent fraudulent certificates

- Over a thousand of counterfeiting certificates were identified



3. Keep the smooth communication channel

**INSPECTION AND QUARANTINE ELECTRONIC CERTIFICATE INFORMATION EXCHANGE & VERIFICATION SYSTEM**China Electron Inspection And Quarantine

Current User:FDA
State:United States

Certificate Verification ^
Web Verification
Search & Stat
User Info Administration

植物检疫证书
PHYTOSANITARY CERTIFICATE

120000109000041

发货人名称及地址
Name and Address of Consignor

收货人名称及地址
Name and Address of Consignee

品名
Name of Produce

收货人名称及地址
Name and Address of Consignee

品名
Name of Produce

报检数量
Quantity Declared

包装种类及数量
Number and Type of Packages

北京科勒有限公司北京市密云县果园西路27号
BEIJING KOHLER KITCHEN & BATH PRODUCTS CO.,LTD.

小麦或混合麦的细粉(配 植物学名
Botanical Name of Plants

标记及号码
Mark & No.

N/M

页号 1/1

Interactive Informations

Type	Operator	Date	Content
Request	fda	2009-04-10	Please provide a certificate explanation.
Response	110000200707300006	2009-04-17	Please check mail.

Verification Information

Verification Result ☒ Pass ☐ Refuse ☐ Request

Remark

Submit Back

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3. Keep the smooth communication channel





of international cooperation of E-cert Online verification



- Difference Analysis

1、System integration levels



- 1、 E-cert system under the “single window of international trade” framework
- 2、 E-cert system under “single window” framework
- 3、 The system which can realize integration management of certain certificates in the country
- 4、 Apply systems according to the supervision departments or goods types to issue certificate



- Difference Analysis

2. Cooperation Level



- 1. Those countries that have realized international data exchange of E-cert based on the established domestic E-cert system.
- 2. Those countries that have already had E-cert system but haven't developed data exchange.



- Difference Analysis

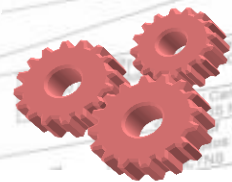
3、Data exchange modes of E-cert



- 1.Point to point data exchange.
- 2.To realize data exchange through public platform.

```
<certificates>
  <certificate no="NZL2009/AER1/36" status="Approved">
    <issue_date year="2009" month="3" day="26" hour="19" m
    <exporting_country country_code="NZ">
      <country_name>New Zealand</country_name>
      <competent_authority>New Zealand Food Safety Authority</exporting_country>
    <importing_country country_code="NZ">
      <country_name>New Zealand</country_name>
    </importing_country>
    <title>
      <text language="en"><![CDATA[ Certificate for Animal Products for Human Consumption Exported from New Zealand
    ]]></text>
    </title>
```

```
<xs:element name="exporting_country">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="country_name"/>
      <xs:element ref="competent_authority"/>
    </xs:sequence>
    <xs:attribute name="country_code" type="string_2" use="required"/>
  </xs:complexType>
</xs:element>
<xs:element name="country_name" type="string_254"/>
```



- The Main Features

4. Expression patterns of E-cert



- 1.Digitized Image pattern
- 2.EDI pattern
- 3.XML language pattern



中华人民共和国出入境检验检疫
ENTRY-EXIT INSPECTION AND QUARANTINE
IN THE PEOPLE'S REPUBLIC OF CHINA

品名: 鲜冷冻猪肉 (Fresh Frozen Pork)
数量: 10000 公斤 (Quantity: 10000 kg)
原产地: 中国 (Origin: China)
目的地: 西班牙 (Destination: Spain)

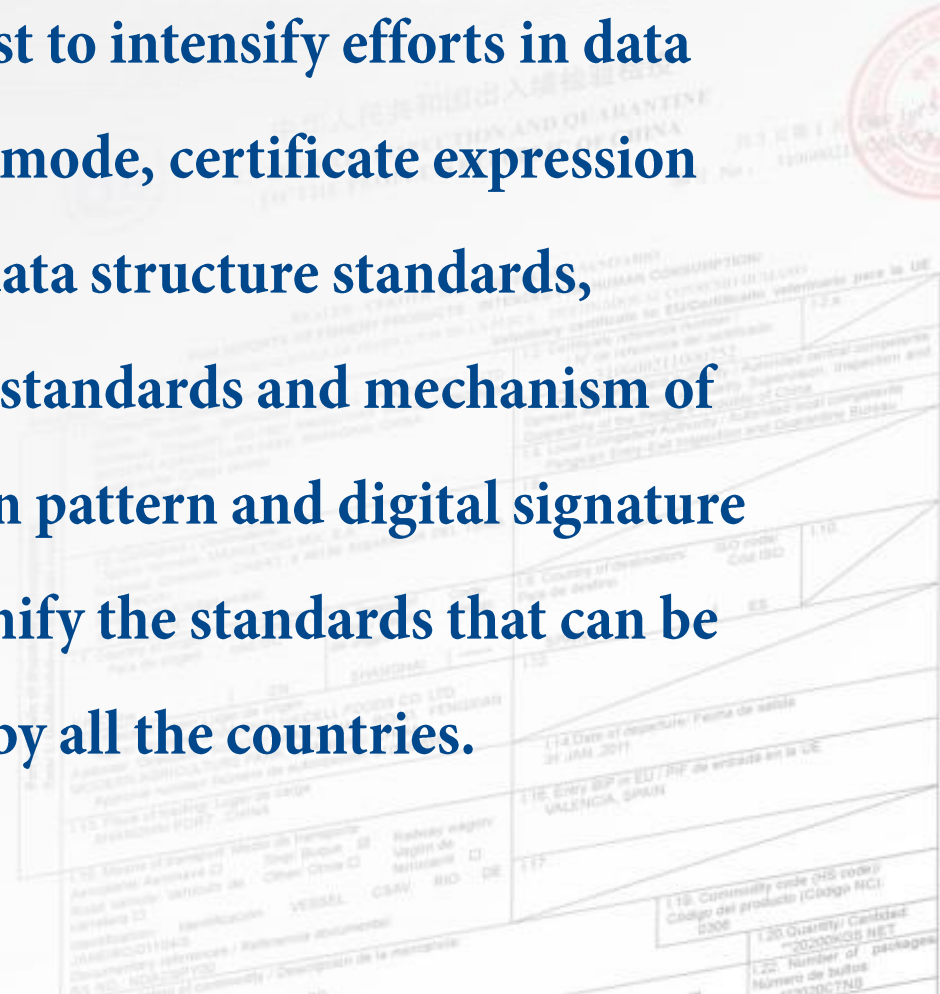
1. 品名: 鲜冷冻猪肉 (Fresh Frozen Pork)
2. 数量: 10000 公斤 (Quantity: 10000 kg)
3. 原产地: 中国 (Origin: China)
4. 目的地: 西班牙 (Destination: Spain)

1. 品名: 鲜冷冻猪肉 (Fresh Frozen Pork)
2. 数量: 10000 公斤 (Quantity: 10000 kg)
3. 原产地: 中国 (Origin: China)
4. 目的地: 西班牙 (Destination: Spain)

1. 品名: 鲜冷冻猪肉 (Fresh Frozen Pork)
2. 数量: 10000 公斤 (Quantity: 10000 kg)
3. 原产地: 中国 (Origin: China)
4. 目的地: 西班牙 (Destination: Spain)



Suggest to intensify efforts in data exchange mode, certificate expression pattern, data structure standards, exchange standards and mechanism of expression pattern and digital signature ways to unify the standards that can be accepted by all the countries.





E-cert verification in ESCAP region





- ◆ Under the organizational framework of ESCAP, we should actively to promote the members of ESCAP to cooperate in E-cert area and to explore to establish E-cert verification mechanism between members so that we can enhance the level of paperless and trade facilitation.
- ◆ We should actively promote all members of ESCAP to use E-cert system of China and realize E-cert verification between China and other members as soon as possible so that we can reduce transaction cost, transaction time, transaction risk, promote trade facilitation and ensure safety of goods traded between members in sub-region.
- ◆ We cherish this opportunity and hope to share the successful experience in E-cert with all members of ESCAP through the platform. And we also hope to help those countries interested in the area to establish E-cert system by capacity-building and technical assistance of system.



- (first

Under the framework of mechanism existed, take advantage of every conference and meeting to exchange and communicate information about E-cert with every country. Widen publicity to further expand the scope of online verification and influence of E-cert, which will be the great base to implement E-cert verification in ESCAP region.



existed, take advantage of every and communicate information den publicity to further expand the ence of E-cert, which will be the cation in ESCAP region.

-Visit, consultation and negotiation (second phase 2015-2016)

E-cert verification relates to the intergovernmental cooperation of countries in ESCAP region, therefore we should strengthen communication with those countries that are capable to exchange E-cert and are interested in E-cert from the height of government cooperation and from the perspective of clearance improvement, counterfeiting combat and mutual-trust in trade; should carry out specific consultations on the basis of mutual benefit and win for all; should consider actively bilateral cooperation agreement of E-cert issue and promote multilateral cooperation with bilateral cooperation so that we can plan and establish E-cert verification system within the region.



-Determining the approach and scope of cooperation (the third phase 2016-2018)



- E-cert verification system of China is quite flexible and is capable to determine the appropriate cooperation approach according to the development of informatization and E-cert of the country.

Online browsing model: The importing countries can inquiry the certificate data of a single batch from the exporting countries, but cannot count or manage those data. The approach is suitable for those countries with small data verification volume and simple business management.

Data transmitting model is using the technology of digital certificate encryption and message transmission, which is safe and reliable. But it needs a separate e-mail server and a great development process so the technology is relatively complex.

Data reading model requires importing country remotely log in the system of the issuing country and download the data through SOAP protocol. Data reading model is simpler than data transmitting model. The importing country can determine the frequency and the time of data reading. The model is flexible but is not safe.



- Determining the approach and scope of cooperation (the third phase 2016-2018)

All countries in ESCAP region have their own advantages in resources. Therefore, in the process of cooperation in E-cert, we can apply different approaches according to the facts of different countries. We can entirely or locally promote the cooperation, can take the sensitive goods or main trade goods as the center to pace to proceedings and finally achieve full coverage of trade goods.



-Share achievements, and win for all

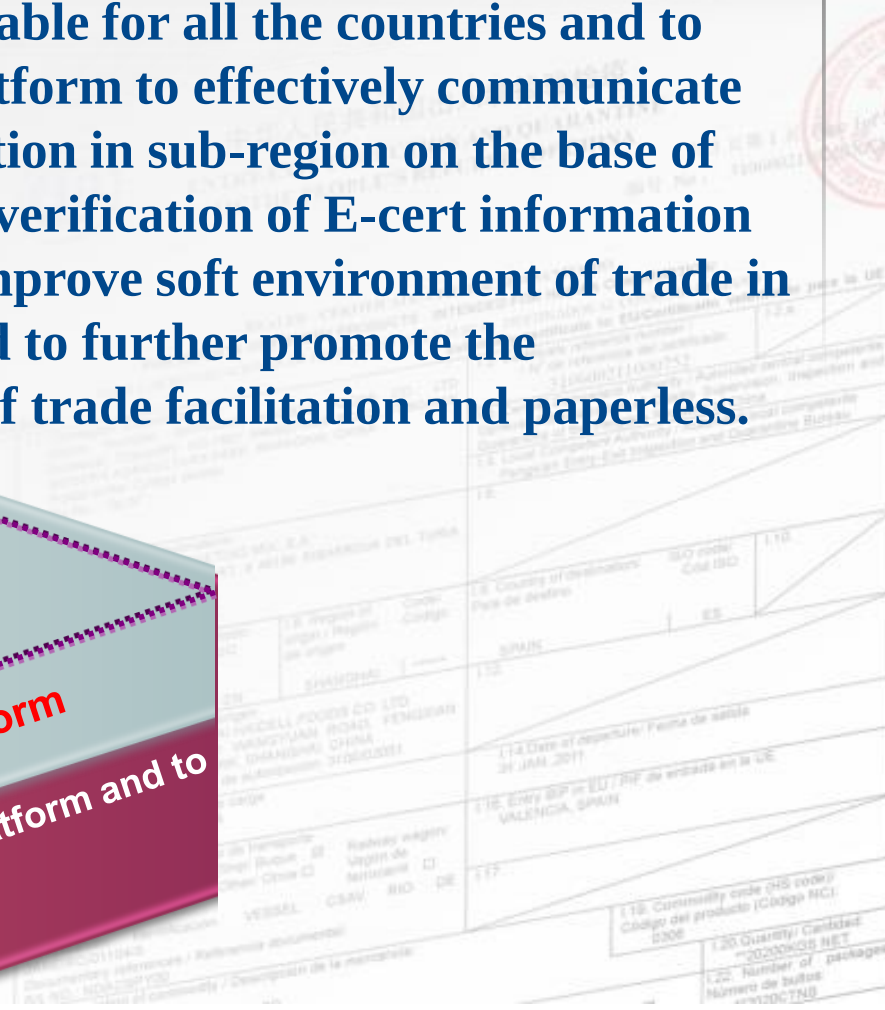


Our goal is to establish a E-cert platform in the region suitable for all the countries and to establish a platform to effectively communicate trade information in sub-region on the base of exchange and verification of E-cert information and data, to improve soft environment of trade in the region, and to further promote the development of trade facilitation and paperless.



To establish a E-cert platform

To establish a trade information platform and to improve soft environment of trade



Thank You !

