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. The background of China's International E-Cert cooperation
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
• 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.
The cooperation mechanism with other countries on electronic certification has been gradually established.

- **2007**: A working team set up
- **2008**: Business requirement assessment finished
- **2009**: The China E-cert System developed
- **2010.1**: E-cert system officially started
2. The Features of the 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)
- The Main Features

2. **Flexibility**

- 3 flexible accesses:
  - On-line view and verification (http://ecert.eciq.cn)
  - Pull data (SOAP interface)
  - Push data (SMTP interface)
- **The Main Features**

3. **Openness**

- No limit on number of users
- Apply for the approval from the competent department in AQSIQ through your embassy in China
- The Main Features

4. **Timeliness**

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

<table>
<thead>
<tr>
<th>Interactive Informations</th>
<th>Date</th>
<th>Content</th>
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<tbody>
<tr>
<td>Request</td>
<td>2009-04-10</td>
<td>Please provide a certificate explanation.</td>
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<tr>
<td>Response</td>
<td>2009-04-17</td>
<td>Please check mail.</td>
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<th>Verification Information</th>
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<tr>
<td>Verification Result</td>
<td>Pass</td>
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<tr>
<td>Remark</td>
<td></td>
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</tbody>
</table>
- The Main Features

5、Security

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

6. **Simplicity**

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

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**GENERAL INFORMATION**

The purpose of this user’s guide is to provide general information and instructions on 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 operation recently. The use of this system will also provide effective prevention to China Inspection and Quarantine (CIQ) certificates from illegal forgeries and alterations.

1. 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 2016 is currently available on the system for verifications.

Meanwhile, the function of Export Cert Data Input enables your authorities to input and send SMS certificate information of your export products for further use and validation.
3. The development & achievements of China's international e-cert cooperation
- Expand E-cert cooperation
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

New Zealand  Australia  Netherlands

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
- Effectively preventing counterfeiting certificates
- Enhancing security of official certificates
- Facilitating consignments clearance
- Ensure quality, hygiene & security of I/E products

Benefits of the implementation of e-cert
1. Speed up consignments clearance

2 Working days have been shortened
2. Effectively prevent fraudulent certificates

- Over a thousand of counterfeiting certificates were identified
3. Keep the smooth communication channel
3. Keep the smooth communication channel
4. Main problems in system and data transmission of international cooperation of E-certificate 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.
- The Main Features

4. Expression patterns of E-cert

- 1. Digitized Image pattern
- 2. EDI pattern
- 3. XML language pattern
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.
5. Policy suggestions to cooperate in E-cert verification in ESCAP region
Under the organizational framework of ESCAP, we should actively 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.
-Strengthen communication and widen publicity (first phase 2014-2015)

Communication with the countries within the region is the first step to develop international cooperation in E-cert verification in ESCAP region.

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.
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.
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.
Thank You!