Development & Application of E-Port in China

——Workshop on Single Electronic Window Development for CAREC

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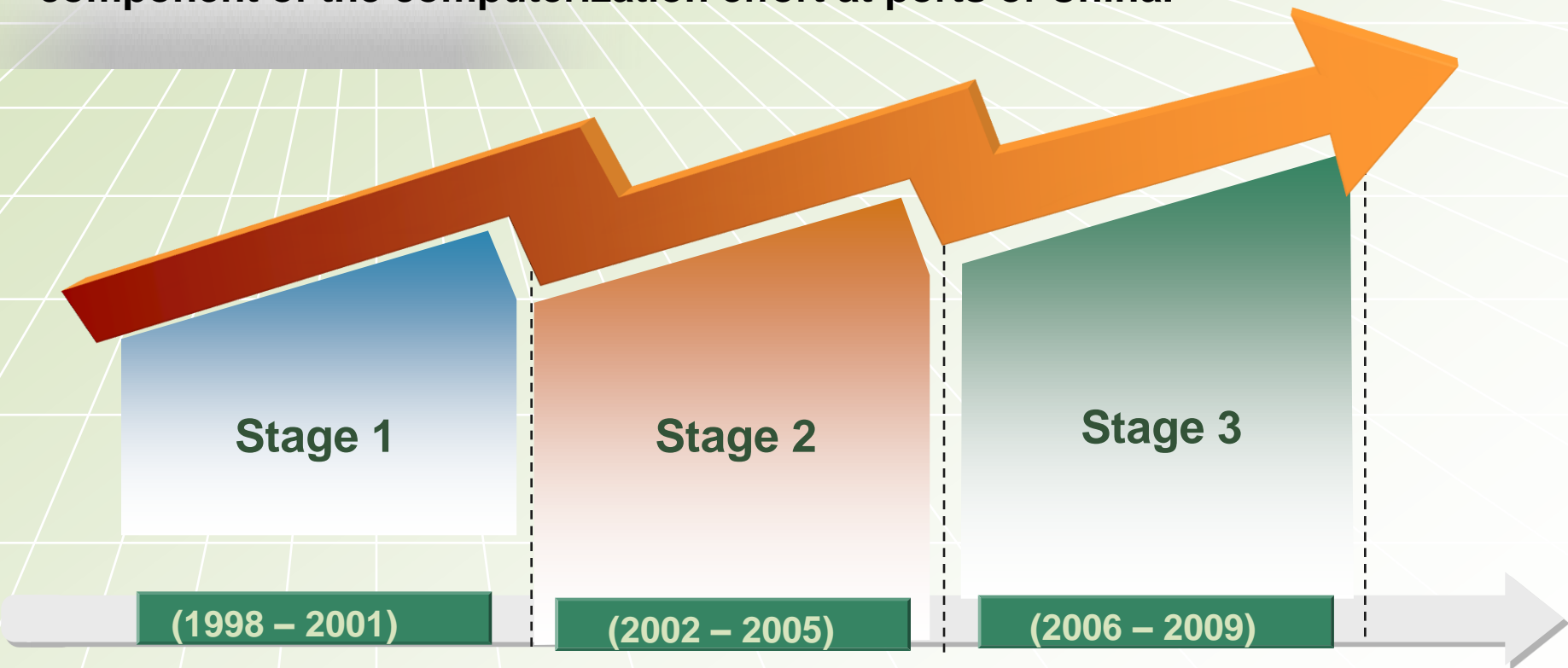**Office of National E-Port Committee**

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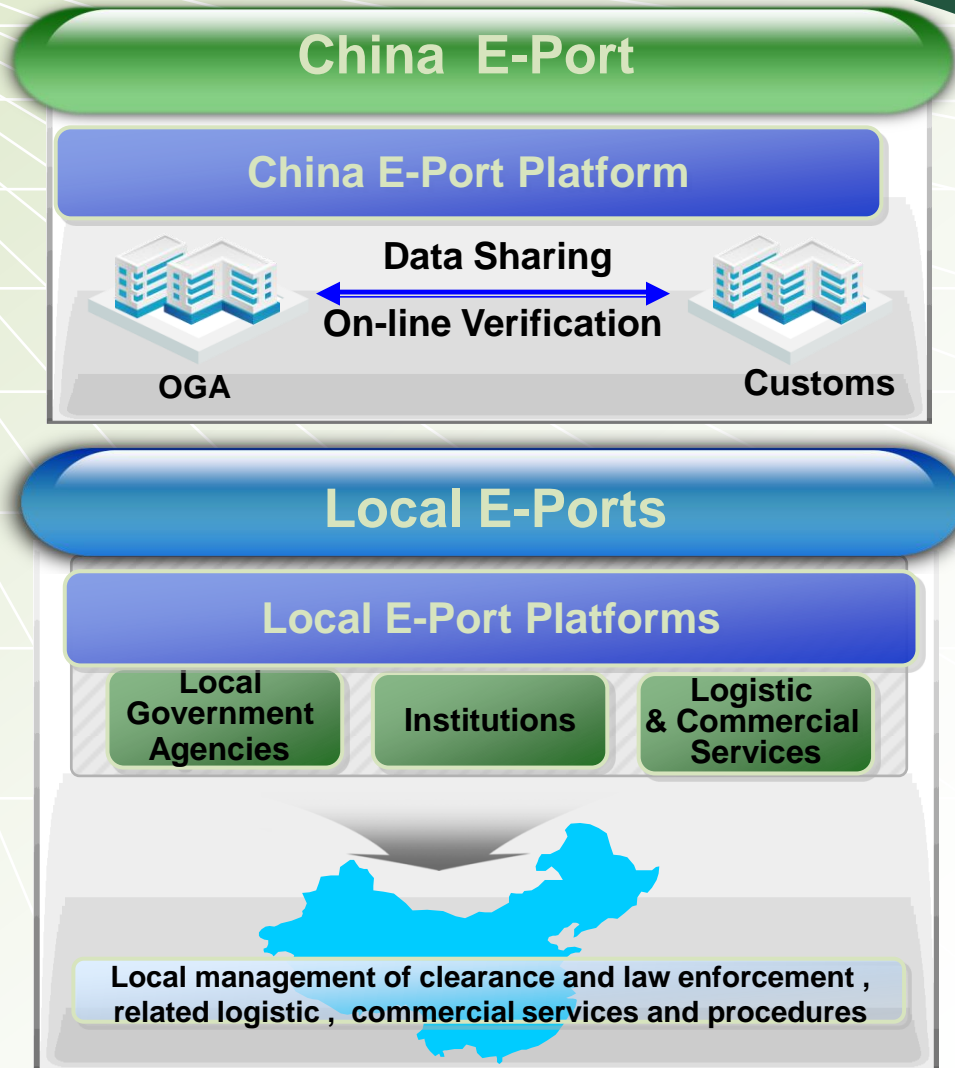
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I. Current Status of E-Port

China E-Port was born in 1998, about 10 years old. After going through 3 stages of development over the last decade, it's already the most important component of the computerization effort at ports of China.

Stage 1

Stage 2

Stage 3

(1998 – 2001)

(2002 – 2005)

(2006 – 2009)

China E-Port went through 3 stages of development

What's E-Port supposed to be?

Management of clearance & enforcement at ports

Relevant logistic & commercial services

Unified information platform for "one-stop clearance, one-stop logistics, one-stop foreign trade"

China E-Port

China E-Port Platform

Data Sharing

On-line Verification

OGA

Customs

Local E-Ports

Local E-Port Platforms

Local Government Agencies

Institutions

Logistic & Commercial Services

Local management of clearance and law enforcement , related logistic , commercial services and procedures

Mechanism of E-Port Management

NDRC

MIIT

MPS

MOF

MEP

MOT

MOR

E-Port Committee

MOFCOM

PBOC

SAT

SAIC

AQSIQ

CAAC

SAFE

GACC

E-Port Office

Data Center

- Chinese government has established the National E-Port Coordinating and Steering Committee, coordinate the resolution of major issues during the building of E-Port.
- Administrative office under this committee to be responsible for its day-to-day affairs.
- Dedicated body to build the E-Port Systems. It is responsible for the design, development, daily operation, maintenance and management of the E-Port systems and networks.

Architecture of E-Port

E-Port comprises three components

Data Exchange Platform	**Data exchange and sharing among government agencies**
Transaction Processing Platform	**Transaction Processing Platform oriented towards enterprises, which offers a Single Window to them**
Auxiliary Support Platform	**Provide information services for government agencies**

Data Exchange Platform
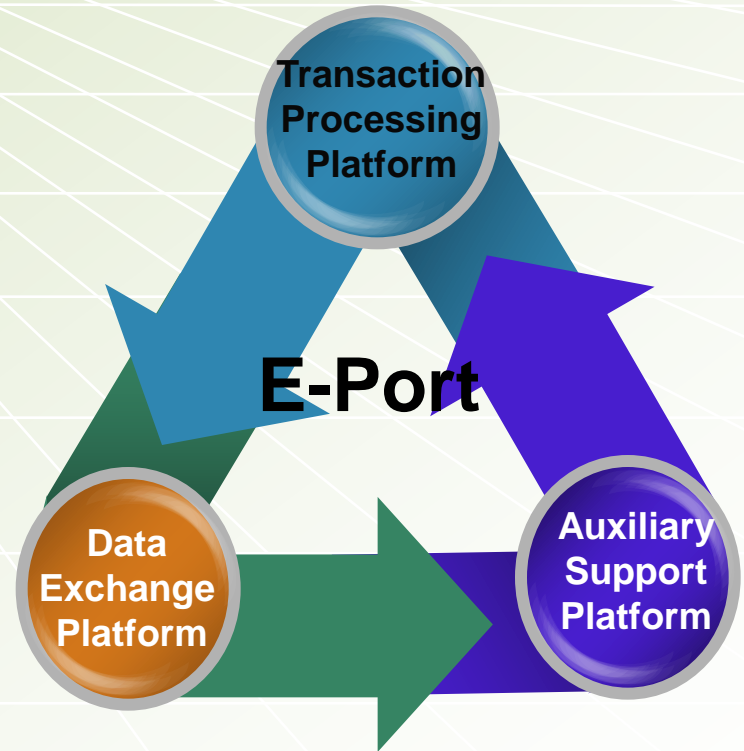
Data Exchange Platform

Data Exchange and Sharing

- Among port management agencies
- Between import & export enterprises and government agencies
- Between Chinese port agencies and overseas governments

Data Conversion

- Message exchange
- Data-code conversion
- Standard Data elements

Transaction Processing Platform

Transaction Processing Platform

E-Port has optimized and integrated the processes of separate declaration functions originally offered to import & export enterprises by various government agencies and logistic enterprises. through this holistic Single Window, enterprises can enjoy more facilitative and more efficient "one-stop" services.

Major Function

- Enable enterprises to declare to government agencies electronically

- Government authorities can provide feedback to enterprises regarding the processing status and result of the data

Ways to Submit Data

- Standard message interface for electronic data exchange

- Standard client-end declaration software

- Declaration services based on the Internet

Auxiliary Support Platform

Auxiliary Support Platform

○ Accelerate the overall process of computerization for Chinese ports, this platform provides the government agencies having such needs with the project design, development and resources for operation of the relevant systems and networks, sometimes even technical support for the daily operation and maintenance.

○ In light of the demand of enterprises and the requirements of national port management, the Chinese government is able to develop some Single Window application projects within a short period of time, which both benefit enterprises and meet the needs of government controls.

E-Port's Status of IT Application

1. Government Agency-to-Agency (G2G) Connections

Realized information sharing with **11** government agencies; Accomplished **17** networking application projects; Realized the information sharing and interchange between the **35** local E-Port and China E-Port .

2. Business-to-Government (B2G) Connections

470,000 traders are declaring to government agencies through China E-Port to do business in import, export, processing trade and provide intermediary services. They also use E-Port for information inquiries.

3. Business-to-Business (B2B) Connections

Traders engaging in import, export or logistics, carriers and agent companies are exchanging information through the VPN of China E-Port.

II. Case Study

1-1 On-line Clearance

Consignment → **Booking** → **Containerazation** → **Loading**

Cancel after Verification &Tax Rebate ← **Issuing B/L** ← **Declaration** ← **Arrivals**

Consignor

Types of Documents: 15

Entities: 14

1-2 On-line Clearance

Consignment

Booking
80%

Containerazation
70%

Loading
90%

E-Port

n%: Data Inheritance Rate

Cancel after Verification &Tax Rebate
60%

Issuing B/L
100%
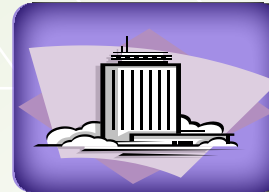
Declaration
60%
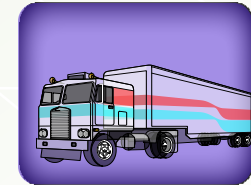
Arrivals
100%

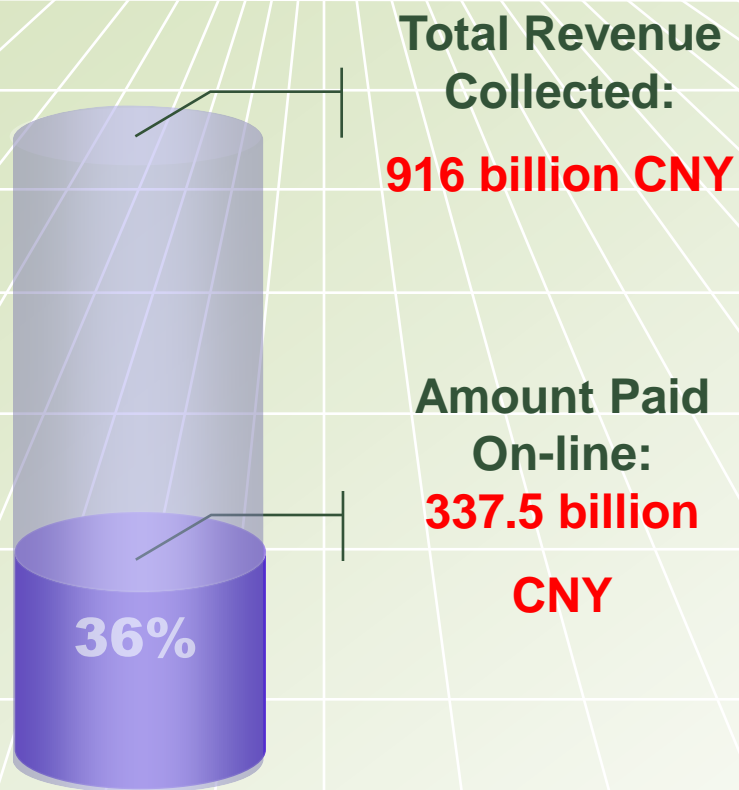**Consignor**
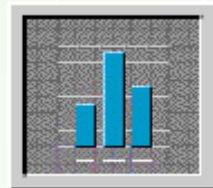
Data Error-rate dropped 40%
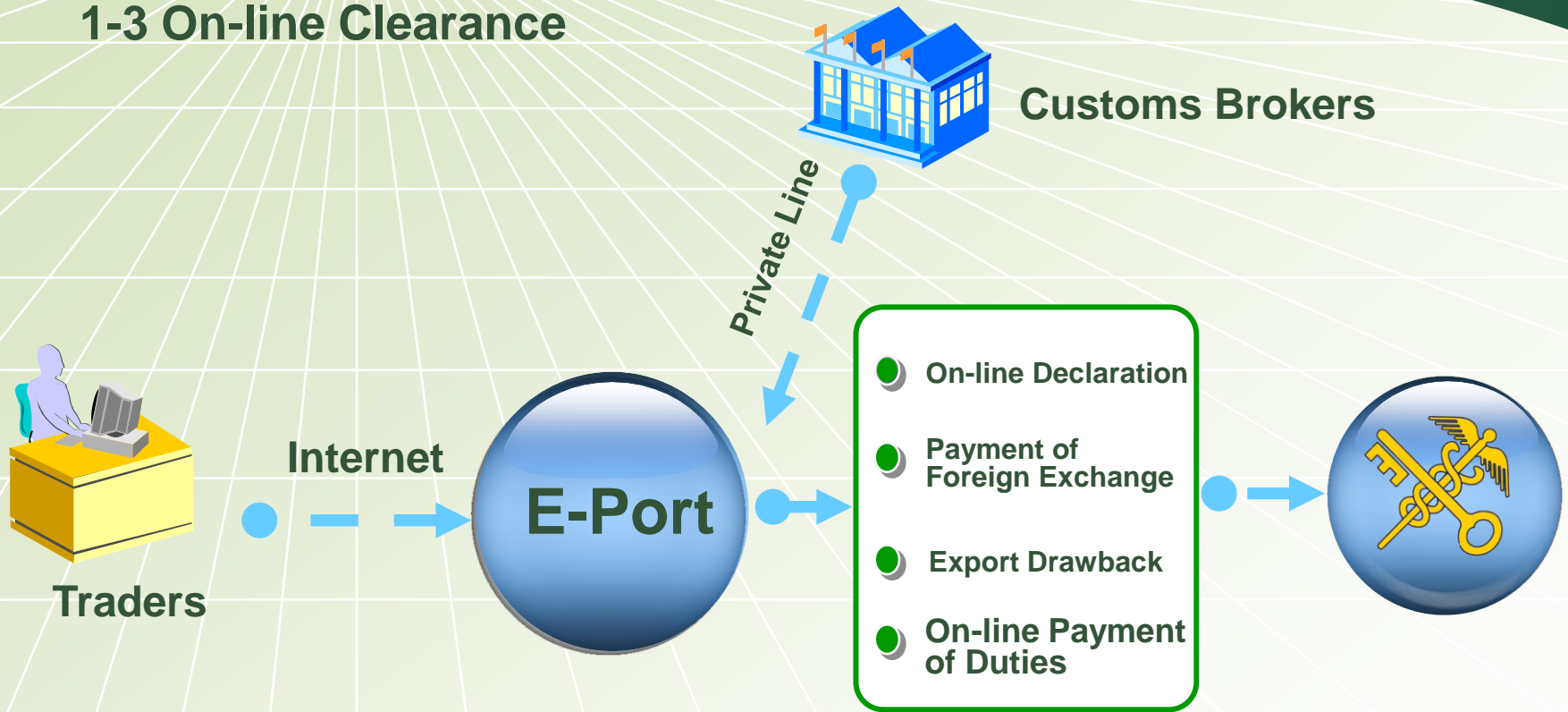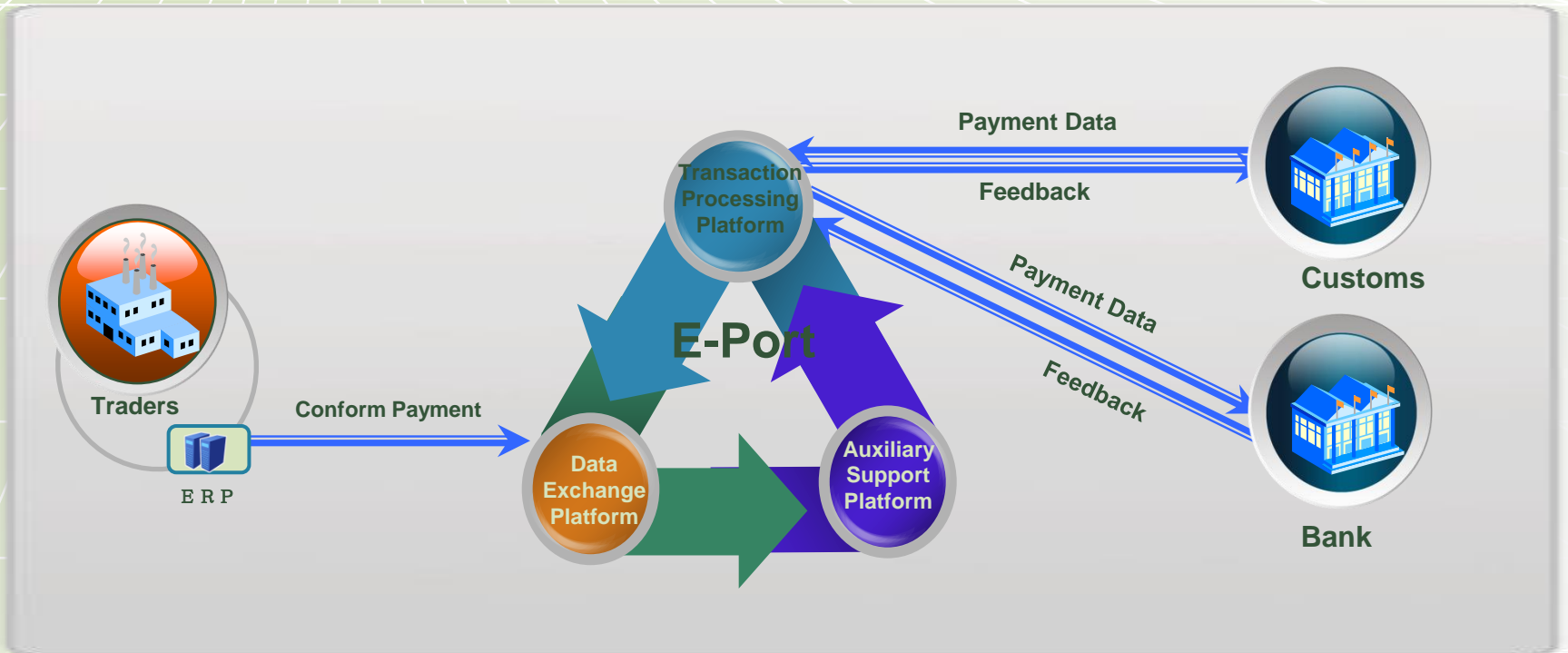
On-line Payment

On-line Payment System for Customs Duties, Taxes and Charges

Total Revenue Collected:

916 billion CNY

Amount Paid On-line:

337.5 billion CNY

36%

In 2008, using E-Port, import and export enterprises paid a total of 337.5 billion CNY of customs duties, taxes and charges to 13 commercial banks. This amount accounted for 36 percent of the total revenue collected by China Customs in that year.

E-Port

National Single Window Development

A unified clearance information platform combining both local management of clearance and law enforcement，and related logistic and commercial services and procedures, will be built so as to provide holistic single window services.

International Single Window Cooperation

To realize information exchange and sharing between single windows of China and other countries.

National Single Window Development

（1） It should realize a real holistic Single Window oriented towards enterprises and provide "one-stop" services for clearance.
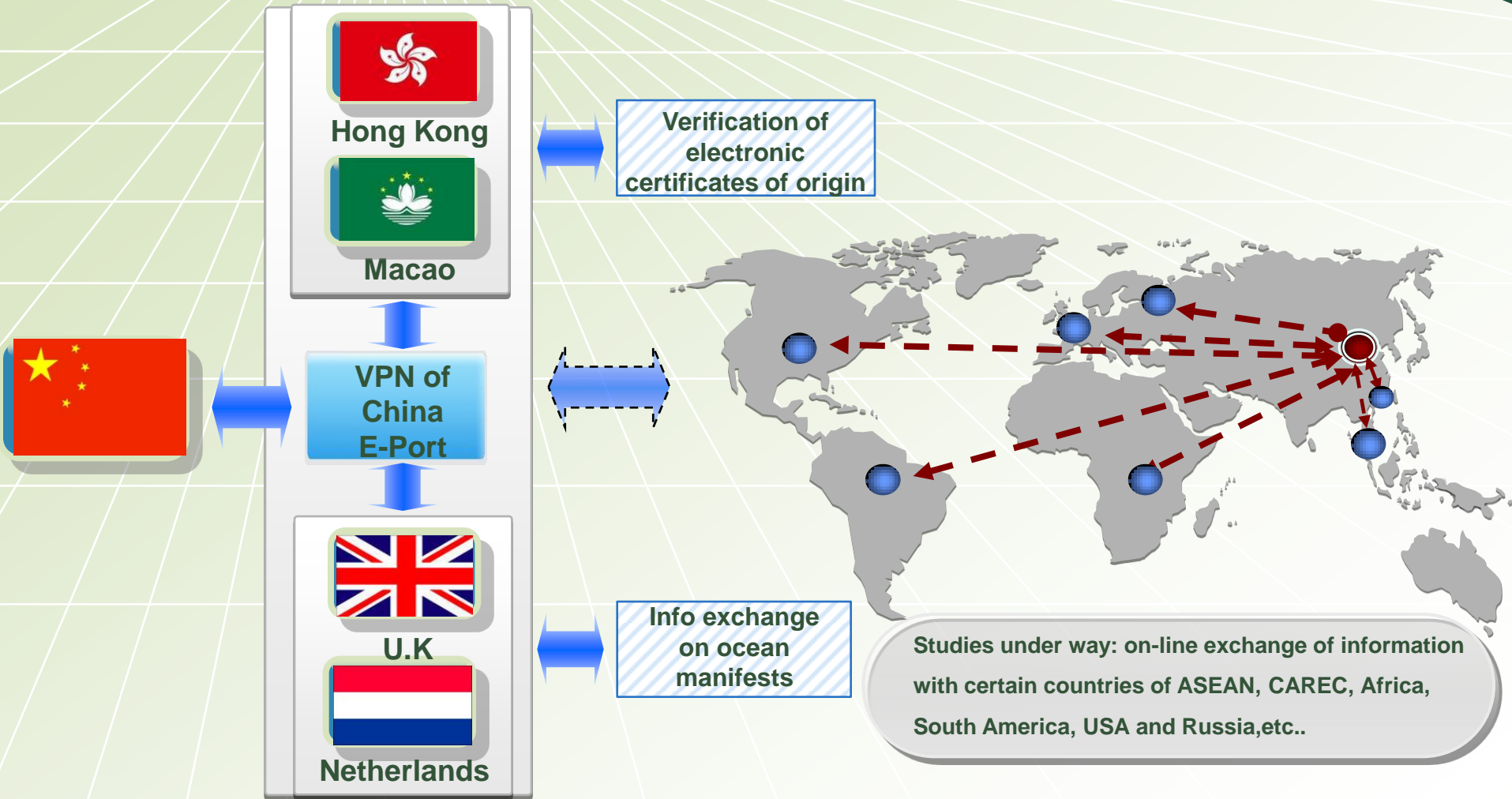
（2） It should further enhance information exchange & sharing among different government agencies and strengthen the multi-use of data.

（3） It should promote interconnection between local E-Ports and advance development of local economy and logistic services.

International Single Window Cooperation

Connections between China and other economies

Hong Kong

Macao

Verification of electronic certificates of origin

VPN of China E-Port

U.K

Netherlands

Info exchange on ocean manifests

Studies under way: on-line exchange of information with certain countries of ASEAN, CAREC, Africa, South America, USA and Russia,etc..

Follow up and take part in designing WCO data model version 3.0. and promote the usage in China.

Join the APEC single window working group, study the holistic programming and implementation plan of it and advance the application of single window in Asia and the Pacific.

Wish Workshop on Single Electronic Window Development for CAREC a Great Success!

China Customs

E-Port

CAREC countries

Single Window