2019

Briefs of Technological Solutions Applied by China Customs

Science and Technology Promote the Development of Wisdom

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At the national meeting on technological innovation, China Customs announced the strategy plan of customs technology development

The strategy plans the future featuring more robust innovations, more targeted supervision, safer and securer borders, a more enabling business environment and wider openness to the world.

Cloud computing + data sharing
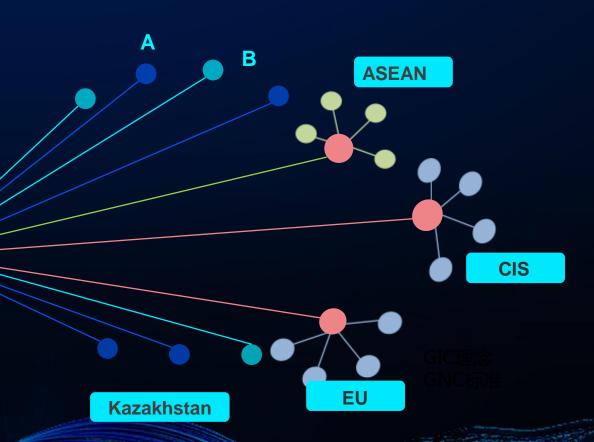—customs connectivity

01
PART

China Customs launched CusDEP,

- Based on the Globally Networked Customs (GNC);
- Innovative application of cloud platform;
- Multiple approaches of transmission.

China Customs
(single window、
Internet plus)

A

B

ASEAN

CIS

EU

Kazakhstan

Exchange data with more member customs based on CusDEP to help facilitate trade security and efficiency.

CN-KZ project

6 Months

- Network Connection
- Data Testing
- Test Run

Artificial intelligence + image scanning
—national security

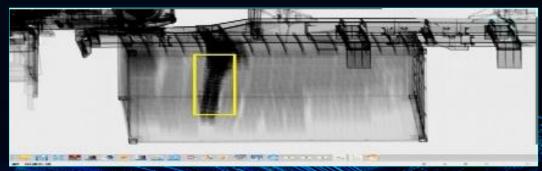02
PART

"AI " Image Interpretation

Through deep learning of mass scanning images and data of matching goods declaration, the image interpretation achieves more accurate and fast intelligent recognition of the target.

By automatically identifying suspect images and alerting officers to potential risk, makes customs control more accurate and better protects our community.
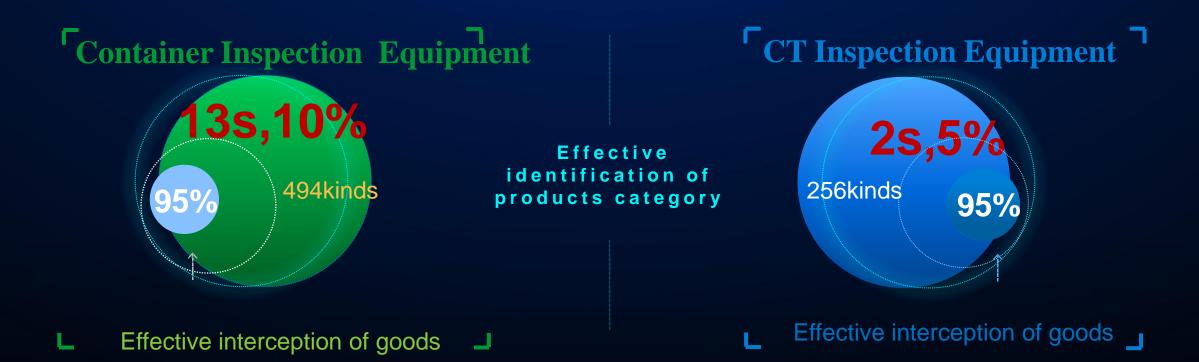
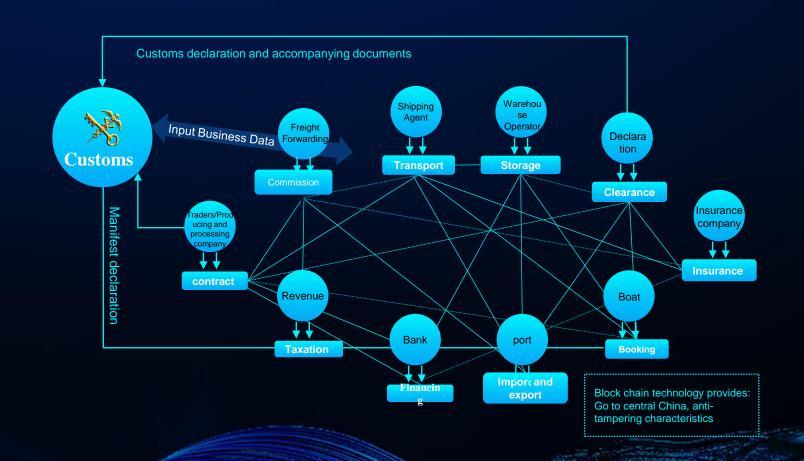Block chain + cross-border trade —trade facilitation

03
PART

Block Chain Plus Cross-Border Trade—Trade Facilitation

- Uses block chain technology to build a credible environment for cross-border trade

- Builds a complete business chain underlying the block chain technology ;

- Realizes the deep integration of block chain technology and transaction, finance, logistics and supervision in cross-border trade.
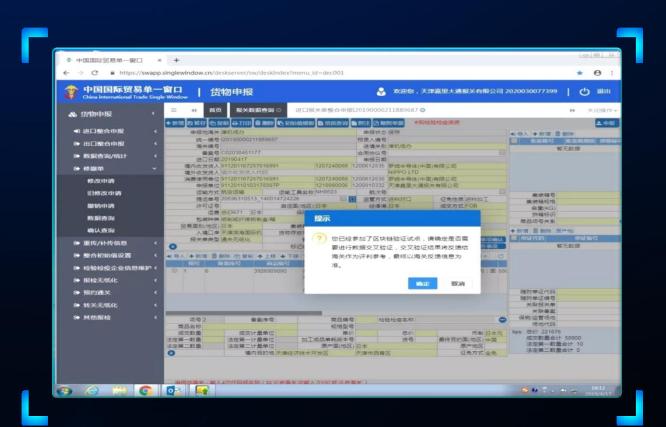
Customs declaration and accompanying documents

Customs

Input Business Data

Manifest declaration

Freight Forwarding

Commission

Traders/Producing and processing company

contract

Revenue

Taxation

Shipping Agent

Transport

Warehouse Operator

Storage

Declaration

Clearance

Insurance company

Insurance

Boat

Bank

port

Booking

Financing

Import and export

Block chain technology provides: Go to central China, anti-tampering characteristics

Self-proveu to Third-party-proven

- over **200** companies have volunteered to join the block chain ；

- over **150** types of data fields can be cross-verified for the authenticity of price ；

- Verification content:

  Price in customs declaration

  Country of Origin

  Goods Classification

- Self-proven to Third-party-proven

Global technology advancement has been profoundly influencing the way customs operates in recent years.

As more and more new technologies merged and matured, the world gets more digital and smart, customs are temp to improve their capacity to create, innovate and apply new technological solutions.

China Customs is more than happy to further strengthen exchanges with other member customs to share our technology achievements and boost the development of customs technologies.

Thank you for listening