3S Cases of Innovative Solutions for Trade Facilitation
by China Customs

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World Customs’ role of facilitating the trade
   A saying: Borders divide, Customs connects.
Full play of China Customs’ role of facilitating the trade via her practices of “Smart Customs, Smart Borders and Smart Connectivity” (“3S”) concept with focus on technology and innovation aiming at secure, stable and smooth international supply chains.
China Customs has launched more than 140 3S pilot projects nationwide to facilitate the trade.

So what is 3S?
"Smart Customs" aims at building digital and modern Customs.
"Smart Borders" is designed to connect various authorities along the borders between two neighboring countries.
"Smart Connectivity" intends to create a network among all parties in the global supply chain.
3S case A: Customs Smart Inspection in Yangshan Automated Container Terminal

- Shanghai boasts the world's largest container terminal. In 2021, the container throughput of Yangshan Port reached a record high of 22.8 million TEUs.
- In 2021, Yangshan Customs House carried out non-intrusive inspections of 84,206 containers. This number is 1.5 times higher than that in 2019.
- Heavier tasks call for greater efficiency with technological support.
3S case A: Customs Smart Inspection in Yangshan Automated Container Terminal

- Through Customs-Port cooperation, Customs instructions are embedded into the automated operational system of the port.

- According to Customs instructions, the automated guided vehicles (AGVs) transport the selected containers to the H986 non-intrusive equipment for inspection (unmanned process).

- The scanned images are immediately transmitted by optical cable to the Image Analysis Center of Yangshan Customs House 30 kilometers away for AI-based smart analysis. Currently, the average analysis time for every image is only 5 seconds.

- Cases of false declaration, concealment and smuggling of contraband can be automatically identified and an alarm be triggered as a result.
3S case A: Customs Smart Inspection in Yangshan Automated Container Terminal

- Via Shanghai Customs Big Data Platform for Cross-Border Trade, customs can obtain external data from the port operators, transportation enterprises, importers and exporters, as well as internal data including declarations and manifests from customs itself, to carry out risk analysis for smarter customs control and service.

- As of today, the said platform has established a big data pool of 9.4 billion pieces of data and 86 smart risk control models covering key business areas. More than 20,000 supply chains of 1,477 enterprises have passed security assessment, and 700,000 batches of consignments have been released automatically.
3S case B: Chongqing Municipality-Singapore City Digital Connectivity Platform

DATA EXCHANGE

• Enterprises can upload the cargo container number into the digital connectivity platform voluntarily. The Chinese government and relevant enterprises of the two countries can carry out real-time tracking and smart inquiry of cargo logistics between the two sides, thus increasing visibility of cargo movement and transportation, and enabling enterprises to adjust sales and production plans quickly.

• As of May 31st 2022, the information covering 345,000 batches of containers has been exchanged, applauded by enterprises, in particular small and medium-sized ones who are eager to engage in global trade.
BONDED AVIATION PARTS

In the past, different aviation parts were stored in different cities scattered in China. Thanks to this digital connectivity platform, now Singapore Airlines and other Airlines can declare and clear all their aviation parts stored in any warehouses nationwide in Chongqing Municipality in a centralized manner.

Airlines can thus enjoy “one declaration and one clearance” instead of multiple customs clearance procedures in warehouses of different cities, which effectively reduces the cost of Airlines and has won wide recognition of both the business and the government.
Both 3S Projects features:

- **Innovation**: unmanned, automated, trackable, traceable.
- **Enhance supply chains**: safe, stable, smooth.
- **Experience sharing**: communication, cooperation, data mining, common development.

Thank you!

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