

# Promoting the Customs Modernization through the implementation of “Smart Customs”

Practice From China

Weijian Shao

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# 01 Smart Customs and Customs Modernization

Adapt to the demands of huge trade supervision, **imports & exports in excess of RMB 30, 40 trillion**

Demand for promoting healthy development of new trade forms **such as digital trade, e-commerce and green economy.**



**Smart Customs** coincides with the evolution direction of Customs Modernization in the AI Era.

**Solve the challenges** of "Widen Open" and "Fast Clearance" faced by Customs Controls.

## 02 What does Smart Customs do?



After full preparation, China Customs formulated *the General Scheme for Smart Customs in July 2023*, laying out the construction of Smart Customs.

## What does Smart Customs do?

Building Smart Customs includes

- Customs Operation system
- Science and technology support system
- Reforming-driven and Technology-driven

# Smart Customs “4-comprehensive” Operation System by 6 Reforming Driven

- ① The whole-chain supervision mechanism featured by tight and adapting to the situation,
- ② The whole process, multidimensional and integrated prevention and control mechanism,
- ③ The all-round facilitative and efficient service mechanism,
- ④ The smooth operational mechanism of all-fields coordination.

Ecologicalization of  
operation system

Parameterization  
of  
policy requirements

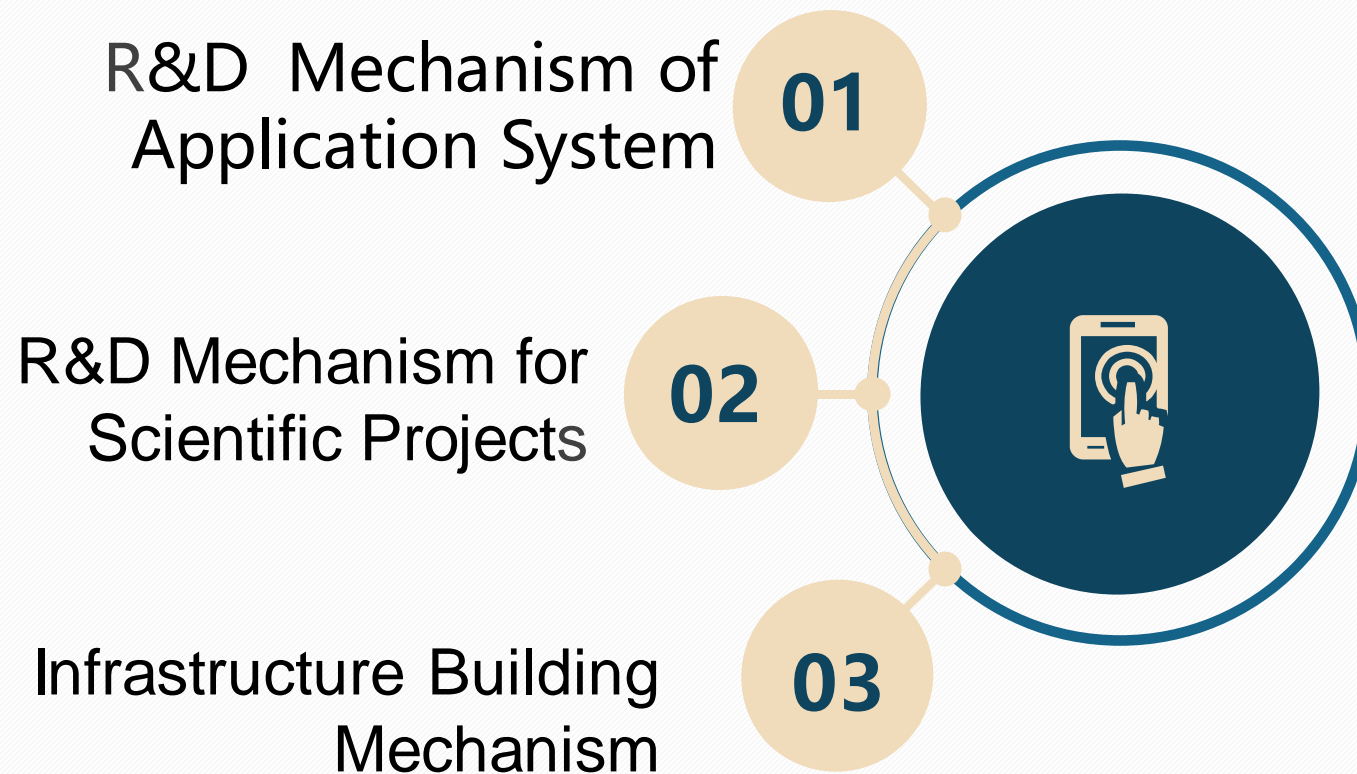
Digitalization of  
knowledge and  
experience

Proceduralization of  
operating  
specifications

Multi-source  
of regulatory data

Intelligence of  
operation  
management

# Smart Customs 5 Scientific & Technological Support Platforms Driven by 3 Mechanisms



1. Application support platform.
2. Big data analytics platform.
3. Business collaboration platform.
4. Monitoring and command platform.
5. Infrastructure support platform.

# 03 Trade Facilitation Brought to Enterprises by Smart Customs

**“四全” “六化” “五平台” “三机制”**

**四全机制** 建立全链条严密顺势监管机制、全过程多维一体防控机制、全方位便捷高效服务机制和全领域协同顺畅运行机制。

**六化转型** 实现业务系统全面生态化、操作规范全面程序化、政策要求全面参数化、监管数据全面多源化、知识经验全面数字化和作业管理全面智能化。

**五平台** 应用支撑平台、大数据分析平台、业务协同平台、监控指挥平台和基础设施支撑平台。

**三机制** 应用系统开发机制、科研项目研发机制和基础设施建设机制。

- ▶ Smart Customs not only pursues institutional and technological excellence but also strives for trade facilitation.
- ▶ Rapid breakthrough in technologies such as AI, the Internet of Things (IoT) and blockchain provides key technical support for Smart Customs.
- ▶ To meet the ever-changing market demands, Smart Customs has adopted a development model combining "microservices" and "small terminals" for enhancing the sense of enterprises gains.



# Best Practice from GACC



01



**Haikou Customs** upgraded intelligent identification methods in large-scale container scanning system, which enhanced capabilities to detect and intercept items through mail & passenger inspection channels.

02



**Nanjing Customs** developed AI preliminary screening and remote support for wood identification, which extends laboratory technology and expert knowledge to the frontlines for wood inspections.

03



**Guangzhou Customs** developed algorithms for Optical Character Recognition (OCR) to extract key elements from documents, which improved the ability of on-site customs officers to quickly examine customs declarations and accompanying documents.



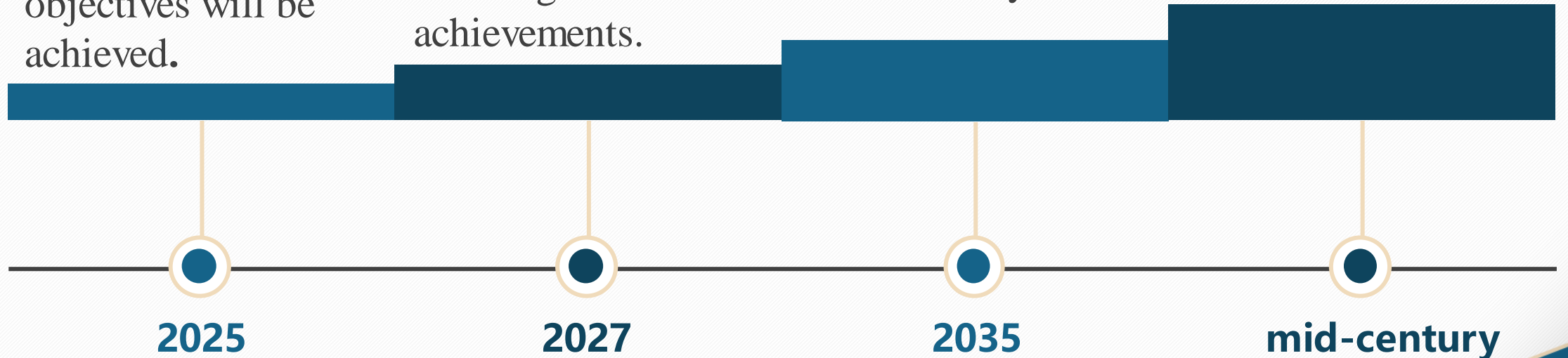
## 04 Future Plan of Smart Customs, GACC

Make decisive progress, and most of the planned construction objectives will be achieved.

The four components of Smart Customs achieve integration, and demonstrate more significant achievements.

Solidify an advanced and internationally competitive customs system.

A world-class modernized customs system is fully established.



# Thanks

Weijian Shao

Deputy director

International Cooperation Department

General Administration of Customs of the P.R.C.

[519923093@qq.com](mailto:519923093@qq.com)