

Smart Customs :

Digital Intelligence for Smooth Cargo Flow



General Administration of Customs
People's Republic of China





Digital Innovation



The Cornerstone

Business Process Optimization



The Main Thread



Various smart business scenario projects have been interconnected to form integrated chains.



17%

Railways carry about 17%
of global freight turnover

- ▶ In 2025, over **20,000** China-Europe Railway Express train trips were operated.
- ▶ Transporting **2.05 million** TEUs of goods.
- ▶ A total value of USD **67.7 billion**.





Smart Cargo Management Scenario Chain



**Railway
Transport
Example**



**Integrating 28
Business
Scenarios**

**Innovative
Measures**

Optimizing cargo declaration models

Enabling inspection information exchange

Enhancing smart inspection efficiency



Optimizing the Cargo Declaration Model





WTO TFA Article 7

**Full
Implementation
of Pre-arrival
Processing for
Faster Customs
Clearance**



**Streamlining
Processes to
Build a
Transparent &
Predictable
Business
Environment**

Optimizing the Declaration Model for Import and Export Goods



Empowering Trade with Smart Tools: Single Window & Negative List

The screenshot displays the website for the China (Xinjiang) International Trade Single Window. The header includes the logo and name in Chinese and English, along with navigation links for Home, Notices, Port Fee Disclosure, News, Policies, Service Guide, and About Us. The main content area features a large image of the Xinjiang Urumqi Airport with a login and registration overlay. The footer contains the latest announcements regarding port operations during the 2026 Spring Festival and New Year's Day holidays.

中国（新疆）国际贸易单一窗口
China (Xinjiang) International Trade Single Window

首页 通知公告 口岸收费公示 新闻动态 政策法规 服务指南 关于我们

登录
立即注册
忘记密码? 忘记用户名?

新疆·乌鲁木齐机场

最新公告 站2026年春节假期口岸通关“两公布一提示” 2026年元旦期间全区口岸开闭关情况一览表（1月1日-1月3日） 新疆边检总站2026年元旦假期口岸通关“两公布一提示”

Smart Submission: Declare Online, Minimize Data Entry



Step 1: Basic Information Submission

Basic Information

Basic Information falls into **six key categories**: Declaration Info, IDs & Numbers, Transportation, Parties Involved, Trade & Route, and Financial & Terms.

Commodity Information

Commodity Code (10 digits), Specification/Model Quantity and Unit (Declared Quantity + Statutory Qty), Total Price, Purpose, Cargo Attributes, Supervision Category (13 digits), Product Qualifications.

Step 2: Comprehensive Information Submission

Declaration Time Limit

Import Goods: Complete declaration within **14 days** from the date the conveyance arrives.

Export Goods: Complete declaration **24 hours prior** to loading, after the goods arrive at the bonded area.

Core Requirements

Full declaration is achieved once all remaining information is submitted and accepted by customs.

Optimizing the Declaration Model for Import and Export Goods



Intelligent Verification: Faster, Smarter, Broader Coverage



*Optimized System-driven Smart
Verification and Intelligent
Document Review*

30 categories across
19 countries



99 categories across
65 countries

Review time has been reduced to under **30** seconds
with a recognition rate of **95%**
improving on-site document review efficiency by over **80%**.



Railway Scenario Chain — Advanced Goods Declaration Model



On average, transmission is completed **3.71** hours before arrival, and customs declaration can be completed within **2** hours

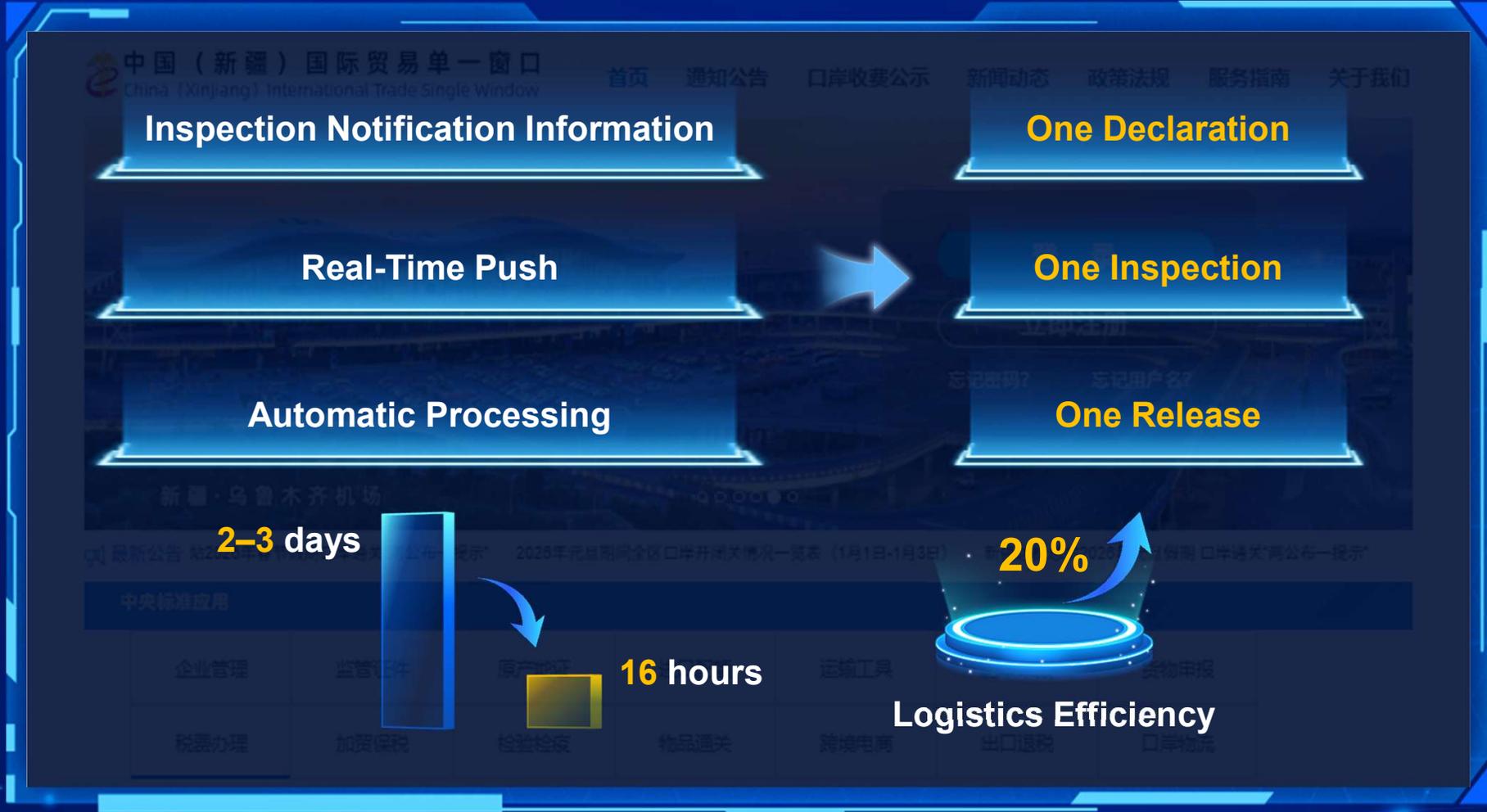


Enabling Inspection Information Exchange





Enabling Real-Time Inspection Information Exchange





Enhancing the Efficiency of Intelligent Inspection





Enhancing Smart, Non-Intrusive, Flow-Aligned Supervision at Railway Ports



Urumqi Customs -- Railway Imported Mineral Products Full-Instruction Smart Inspection Platform

Train Inspection Information

设备状态: 就绪

车次: 20251010151424 到达时间: 2025/10/10 15:14:53

Solid Waste: Normal | Radiation: Normal | Foreign Inclusions: Normal

车厢序号	车厢号
004	56650765

Solid Waste: Normal | Radiation: Normal | Foreign Inclusions: Normal

车厢序号	车厢号
005	55655554

Solid Waste: Normal | Radiation: Normal | Foreign Inclusions: Normal

车厢序号	车厢号
006	60559028

Solid Waste: Normal | Radiation: Normal | Foreign Inclusions: Normal

车厢序号	车厢号
007	60290228

Solid Waste: Normal | Radiation: Normal | Foreign Inclusions: Normal

车厢序号	车厢号
008	55155170

Solid Waste Inspection Results

LIBS谱图: 高光谱谱图: LIBS设备状态: 就绪 高光谱设备状态: 就绪 元素含量(%)

TFe	66.23	SiO2	10.36	CaO	1.34	Al2O3	3.24
MgO	1.44	TiO2	2.62	MnO	1.42	P2O5	0.28
S	0.94	FeO	0	固废属性	正常		

Inspection Information Statistics

Total Trains Inspected	Trains Inspected Today	Abnormal Trains Cumulated
67	1	12

Radiation Inspection Results

设备状态: 就绪 报警状态: 正常

P1	7294	P2	7167
P3	6712	P4	7102
中子	0	γ合计	28275

Foreign Inclusions Inspection Results

设备状态: 就绪 夹杂物识别数量(个): 0

Current Train Inspection Information Statistics

报关单: 940220251000017304

固废异常箱数	0	辐射异常箱数	0	夹杂物异常箱数	0
A/B类夹杂物数量	0	C类重量	0 g	C类重量占比	<0.01%

Video Surveillance

火车驶入	火车驶出
火车顶拍	轨道框架



Machine Substitution & Smart Inspection: Enabling Seamless Clearance





Automated Operation for Imported Grain



Surface Quarantine



Sampling



Preliminary Screening

Stronger, Smarter Full-Chain Supervision

Join
The Conversation



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wcoomd.org

Funded by



Welcome to the Smart
Customs Community
Portal

Customs officials in tech
and digitalization are
invited to join as *National
Contact Points*.

Global Collaboration: 147 Customs Administrations Connected



GENERAL ADMINISTRATION OF CUSTOMS
PEOPLE'S REPUBLIC OF CHINA

Thank you!

More to share.

Deeper to cooperate.

Greater to win.