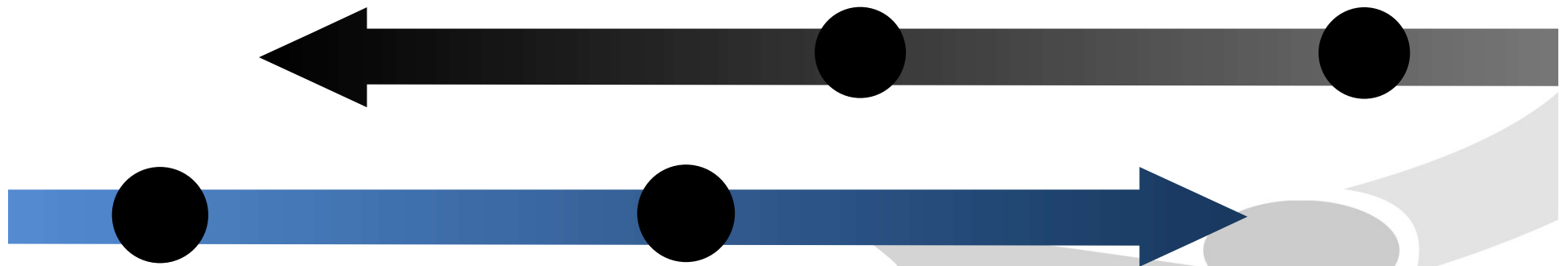


Technology and Transport Corridors Presentation by the WCO



**1st ESCAP – GTI Seminar on Transport Issues
in North-East Asia**

Ulaanbaatar, 10 October 2019

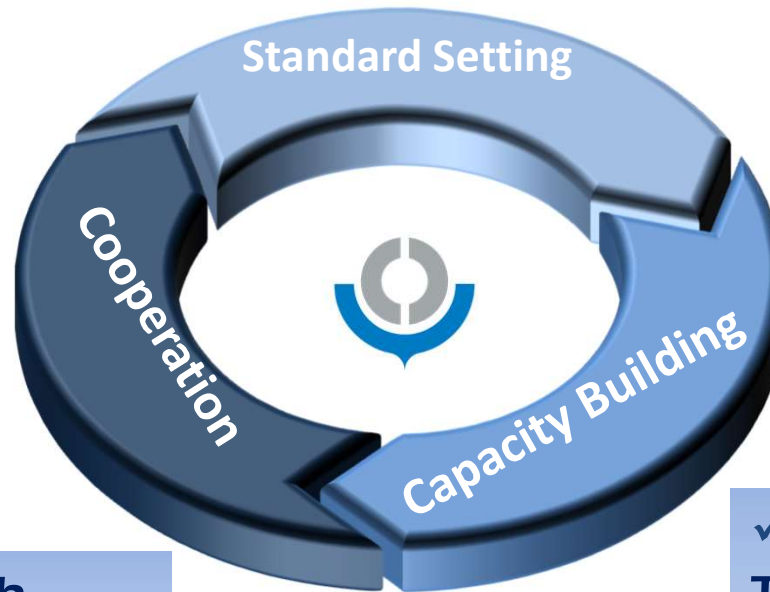
Introduction to the WCO



- **Independent intergovernmental organization exclusively focused on Customs matters**
- **Established in 1952 as the Customs Co-operation Council**
- **183 Members**
- **Mission - The WCO develops international standards, fosters cooperation and builds capacity to facilitate legitimate trade, to secure a fair revenue collection and to protect society, providing leadership, guidance and support to Customs administrations**

Key functions of the WCO

- ✓ Capability and responsibility for global standard setting for Customs



- ✓ Cooperation with other international organizations and other agencies

- ✓ Capacity Building / Technical Assistance delivery
- ✓ Network of accredited experts from Customs Administrations
- ✓ Donor engagement

WCO Theme for 2019



- **Secure**
- **Measurable**
- **Automated**
- **Risk Management-based**
- **Technology-driven**

- ✓ **ICT**
- ✓ **Inspection enabling technologies**

- ✓ **Disruptive technologies**

Technology and transport corridors

Trends and developments

- Exchange of information
- Use of tracking devices and e-seals
- Use of NII technologies

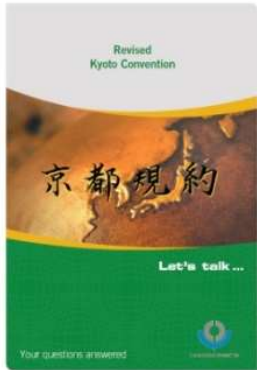
Challenges

- Legal basis
- Cost
- Skills
- Novel technology

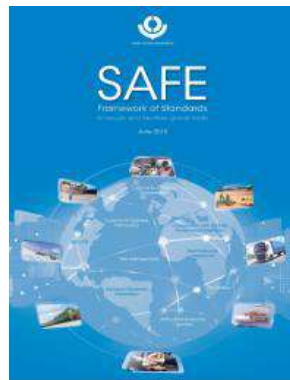
Solutions

- WCO tools, initiatives and events

WCO Instruments and Tools



**Revised
Kyoto
Convention**



**SAFE
Framework
of Standards**



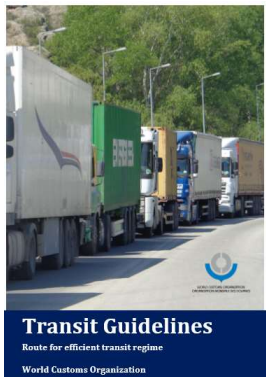
**E-Commerce
Framework
of Standards**



Data Model



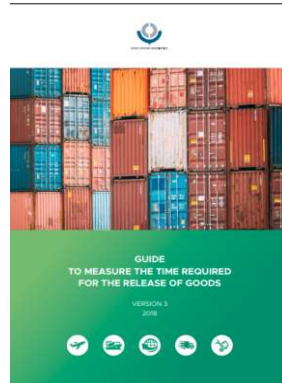
**Single
Window
Guidelines**



**Transit
Guidelines**



**NII
Guidelines**



**Time Release
Study Guide**



**Handbook
on Data
Analysis**



**Study report
on Disruptive
Technologies**

WCO Tools in development

- **Compendium of best practices in the area of transit**
- **Railway transportation guidance**
- **Study Report on Smart Security Devices**
- **Single Window Study Report**

Special focus on...

1. Legal framework

2. **ICT and efficient information management**

3. Guarantee system

4. Fees and charges

5. Simplification of formalities

6. Risk management

7. Authorized Economic Operators

8. **Customs seals and other security measures**

9. Coordinated Border Management

10. Hard infrastructure and equipment

11. Transparency and anti-corruption

12. Partnership with Business

13. Performance measurement



Special focus on...



- **Technologies explored:**
 - **Blockchain Technology**
 - **Internet of Things**
 - **Artificial Intelligence and Machine Learning**
 - **Biometrics**
 - **Drones**
 - **Virtual Augmented and Mixed Reality**
 - **3D Printing**
- **Strategy behind technology**
- **Recommendations**
- **Use cases**

WCO initiatives in the area of technology

The Unified File Format (UFF) – a standard for NII data

Objectives

- **facilitate interoperability of NII equipment**
- **facilitate exchange of images**
- **facilitate the development of databases or libraries of images, and**
- **assist in training of image analysts**



WCO technology-related meetings and events

➤ Technical Experts Group on Non-Intrusive Inspection (TEG-NII)

- **Working body of the WCO**
- **Established in 2016**
- **Composition: open to all WCO Members and relevant NII Industry members**
- **Chaired by a Customs Co-Chairperson and a Private Sector Co-Chairperson**
- **Mandate: develop a standard NII data format and discuss other NII-related issues**



➤ WCO Technology Conference

- **An event with which the WCO IT Conference and the WCO Technology and Innovation Forum were merged**
- **Next edition – 3-5 June 2020, Bali, Indonesia**

Thank you for your kind attention!

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