Potential of STI to foster structural economic transformation

EGM on STI for structural economic transformation of LDCs
Geneva, 11 April 2019
Introduction to the WCO

- Established in 1952 as the Customs Co-operation Council
- Independent intergovernmental organization exclusively focused on Customs matters
- 183 Members
- Headquarters in Brussels
- website: www.wcoomd.org
Key functions of the WCO

- Capability and responsibility for global standard setting for Customs

- Cooperation with other international organizations and other agencies

- Capacity Building
  - Network of accredited experts from Customs Administrations
  - Donor engagement
Standard setting – the WCO Instruments and Tools

Examples

- Revised Kyoto Convention
- SAFE Framework of Standards
- NII Guidelines
- E-Commerce Framework of Standards
- Data Model
- Single Window Guidelines
- Time Release Study Guide
- Study report on Disruptive Technologies
SAFE FoS

Pillar 1, Standard 3:
Modern Technology in Inspection Equipment

Non-intrusive inspection (NII) equipment and radiation detection equipment should be available and used for conducting inspections, where available and in accordance with risk assessment. This equipment is necessary to inspect high-risk cargo and/or transport conveyances quickly, without disrupting the flow of legitimate trade.
WCO NII Guidelines

Guidelines for the Procurement and Deployment of Scanning/NII Equipment

➢ First launched in 2003 as “Guidelines to Members on Administrative Considerations of Purchase and Operation of Container Scanning Equipment”
➢ Enhanced following the adoption in 2005 of the SAFE FoS
➢ Regularly updated
➢ Last update – December 2018
➢ Another update underway
TEG-NII
Technical Experts Group on Non-Intrusive Inspection

➢ 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
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.
TEG-NII

NII-related topics covered by the TEG

➢ Procurement
➢ Maintenance
➢ Training/knowledge transfer
➢ Testing of NII systems
➢ Testing and deployment of small scanning equipment
➢ Embedding NII into Customs operations
➢ Latest and emerging NII technologies
➢ Material discrimination
➢ Image analysis
Study Report on Disruptive Technologies

➢ 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
A total of 17 use cases from:

- Georgia
- the EU
- Peru, Costa Rica and Mexico
- New Zealand
- Hong Kong
- The Netherlands
- China
- Brazil
- Japan
- Korea
- Canada
- UAE
WCO IT/TI Conference and Exhibition

New technologies for SMART borders – New opportunities for Trade, Travel and Transport
Thank you for your kind attention!

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