



SMART Customs Initiative 2020

- Outline -

June 2020
Japan Customs

THE PURPOSES OF “SMART CUSTOMS INITIATIVE 2020”

- On June 18th, 2020, the Japan Customs announced this Initiative, which is mid-and long-term vision of the Customs administration.
- The goal is to realize “*world’s leading Customs*”
- The Japan Customs utilizes cutting-edge technologies, and conducts personnel training and operational review, from the long-term perspective
- 4 Key Words:
 - Solution
 - Multiple-Access
 - Resilience
 - Technology & Talent



SMART Customs Initiative 2020

Japan Customs

Solution

- Provide trade-related companies and passengers with **solutions** to enhance the compliance with and convenience of customs procedures
- Realize fair and prompt customs procedures

Main measures

- ① An automated consultation system which operates 24/7
- ② Installation of an automated system for the customs inspection, which speeds up customs procedures

How the Automated Systems will work

Staff Service
<weekdays>



[Now]

Staff Service
<weekdays>



[Future]

**Automated
System**
<24/7>



How can I help you ?

Tell me about the duty exemption's coverage



It covers from...



Multiple- Access

- Enhance cooperation with **multiple** authorities, companies and universities to **access** to wide range of information
- Further enhancement of border protection while maintaining trade facilitation

Main measures

- ① Reinforce information collection, and utilize advance information such as PNR (Passenger Name Record) for counterterrorism even more.
- ② Examine the use of Web Crawling Technology which automatically collects information in the Internet.

Web Crawling
Technology



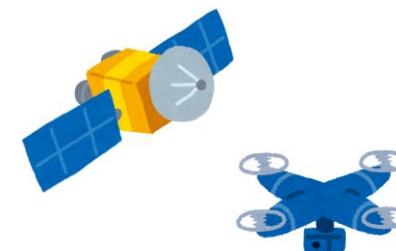


Resilience

- Build **resilience** to changes in the social structure and disaster risk
- Maintain customs functions and develop customs operations

Main measures

- ① Examine the use of UAVs (Unmanned Aerial Vehicles) like drone, and satellites for coastline patrol.
- ② Enhance flexible job condition, such as work from home.





Technology & Talent

- Adopt cutting-edge **technologies** including AI (Artificial Intelligence) and conduct staff training to maximize **talents**
- Make customs operations more advanced and more efficient

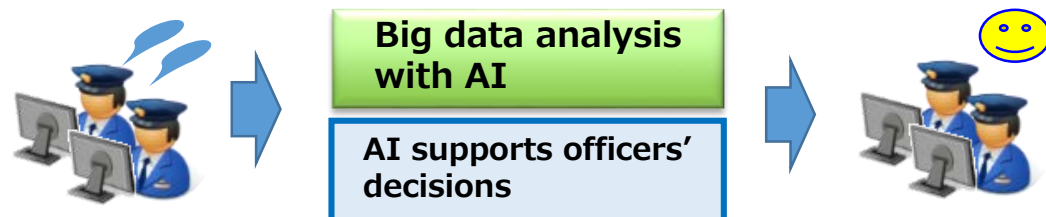
Main measures

- ① Start the AI analysis of the Big Data to support the customs examination and post-clearance audit
- ② X-ray inspection supported by the AI
- ③ Introduce the RPA (Robotic Process Automation)
- ④ Promote research and development for the NQR (Nuclear Quadrupole Resonance) device
- ⑤ Prepare system and training for the utilization of cutting-edge technologies including the AI

Current Research & Development regarding cutting-edge technologies by Japan Customs

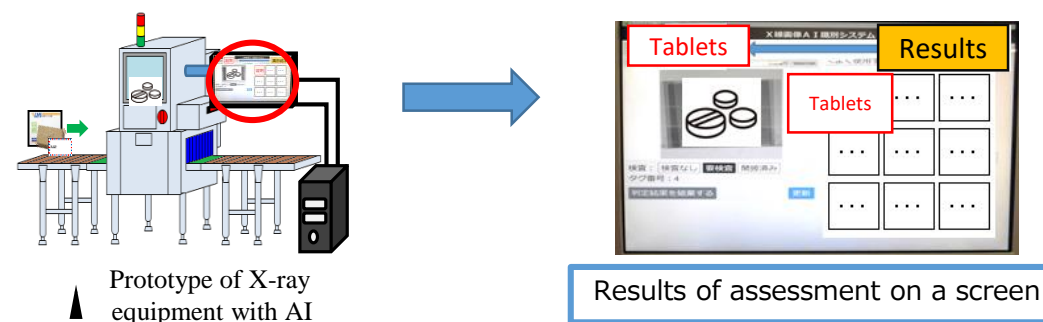
Big data analysis

- AI analyses the accumulated data such as import declarations.
- AI supports customs officers in examination on documents, inspection on cargoes, and selection of importers to be audited.



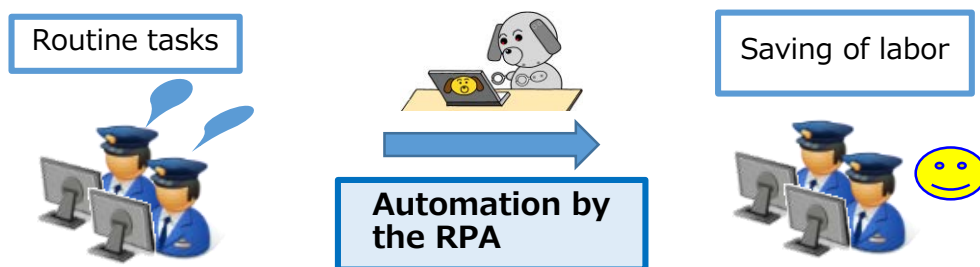
AI analysis on X-ray Image

- AI identifies images of items automatically and assesses the risk.



RPA (Robotic Process Automation)

- Routine tasks are automatically done by the RPA.



NQR device (A detecting device for concealed stimulants)

- The device emitting the radio waves detects stimulants concealed inside smugglers' body and their belongings.

※NQR (Nuclear Quadrupole Resonance) device :
The device emits the radio waves and measures the electric waves resonated with and reflected from stimulants

