

IT Support for TFA Implementation

Speed & Quality : Japanese Way of Trade Facilitation and New Technology for Future

**WCO IT Conference & Exhibition
Bahamas, 6-8 May 2015**



Presented by:

**NACCS Center
NTT DATA Corporation**

1. Introduction and Overview **NACCS Center and NTT DATA**

2. How we can contribute to global trade facilitation

Section 1. Trade Facilitation in Japan

Section 2. Our Capabilities in other Markets

Section 3. New Technologies for the Future



Toshihiko Miyasaka

**President and Chief Executive Officer
Nippon Automated Cargo and
port Consolidated System, Inc.**

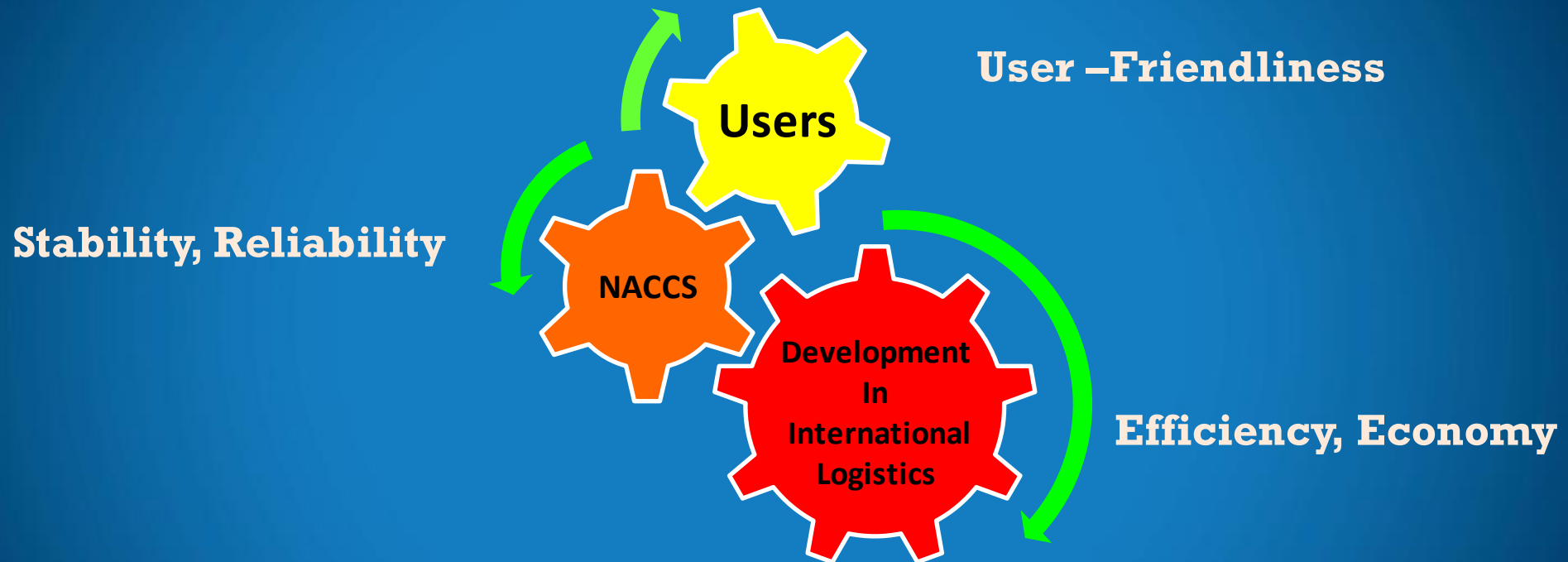


Kenji Nagai

**Executive Manager,
Public Sector
NTT DATA Corporation**



NACCS Center is a government-funded entity that operates a joint public and private sector system

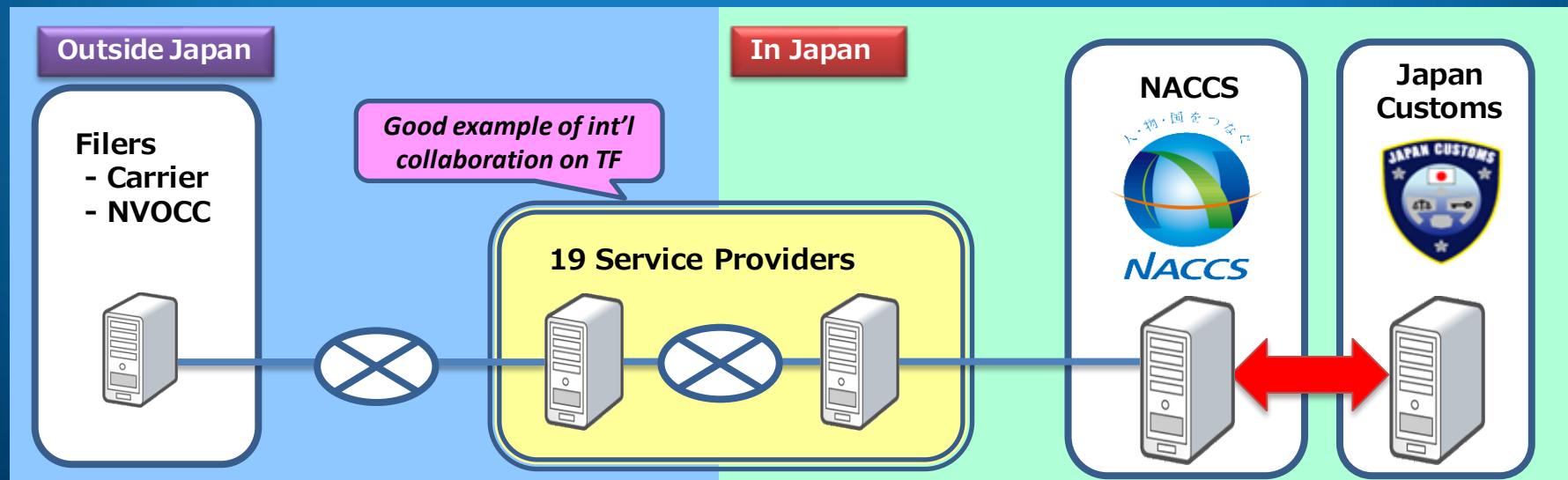


NACCS plays a role of a *comprehensive logistics information platform* in int'l distribution of Japan

AFR operation with foreign SPs

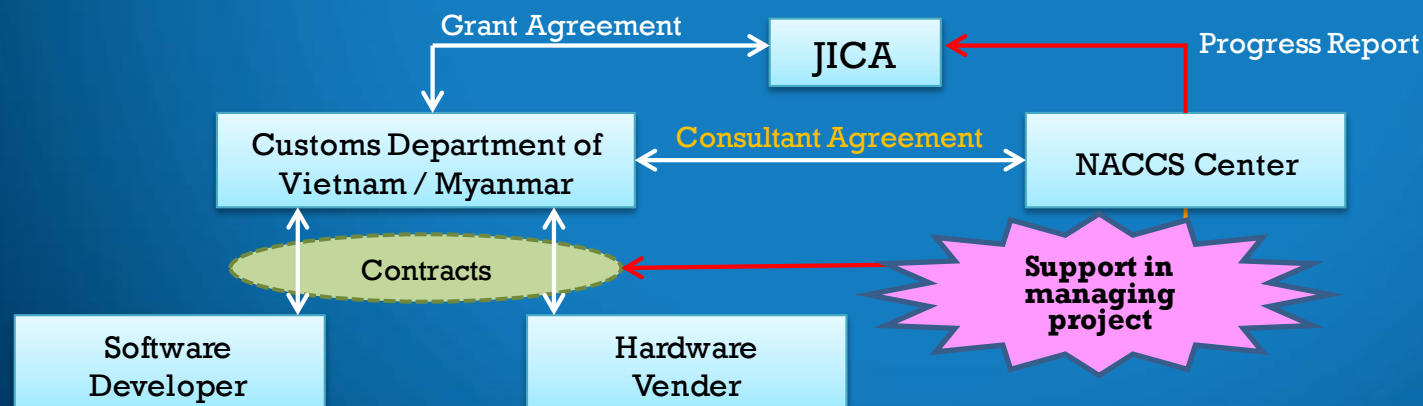
- Following the **WCO SAFE Framework**, the **Advance Filing Rules (AFR)** on **Maritime Container Cargo** has started since **March 2014**.
- **NACCS Center** has **managed and operated the data transmission / processing system for the AFR**, by connecting with **foreign Service Providers**.

(Note: Under AFR, Japan Customs requires shipping companies / NVOCCs to file detailed cargo information (Manifest data) electronically 24hrs before departure of a vessel from a loading port.)



NACCS-type customs clearance system abroad

- **Introduced in Vet Nam in April 2014**
Start system development in Myanmar since October 2014
(Note: These projects are implemented under the grant aids by JICA, Japan International Cooperation Agency.)
- **NACCS Center supports both governments as a consultant**
- **Moreover, NACCS Center offers technical assistances**



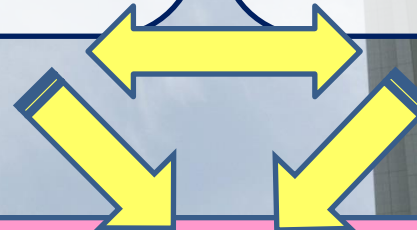
**The strong partnership since 1978.
NACCS, the online system for trade procedures in
Japan has been developed and operated by the
NACCS Center and NTT DATA.**



- Planning & operation of NACCS in Japan**
- Consulting services for online trade systems in Vietnam & Myanmar**



- Development & maintenance of NACCS in Japan**
- Development of online trade system in other countries including Vietnam and Myanmar.**



Int'l Projects with GOVs and SPs



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Global IT and telecommunications services company





76,000+ employees

175 cities

41 countries

EMEA
Employees

14,000

APAC
Employees

11,000

China
Employees

4,000

Japan
Employees

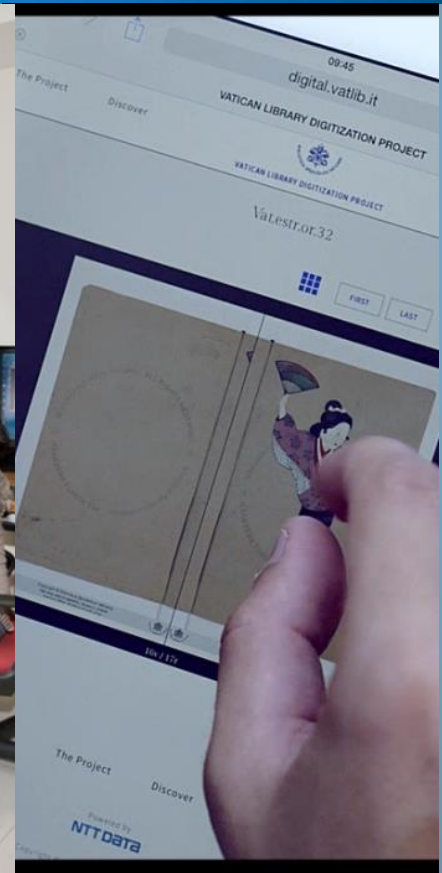
33,000

AMERICAS
Employees

14,000

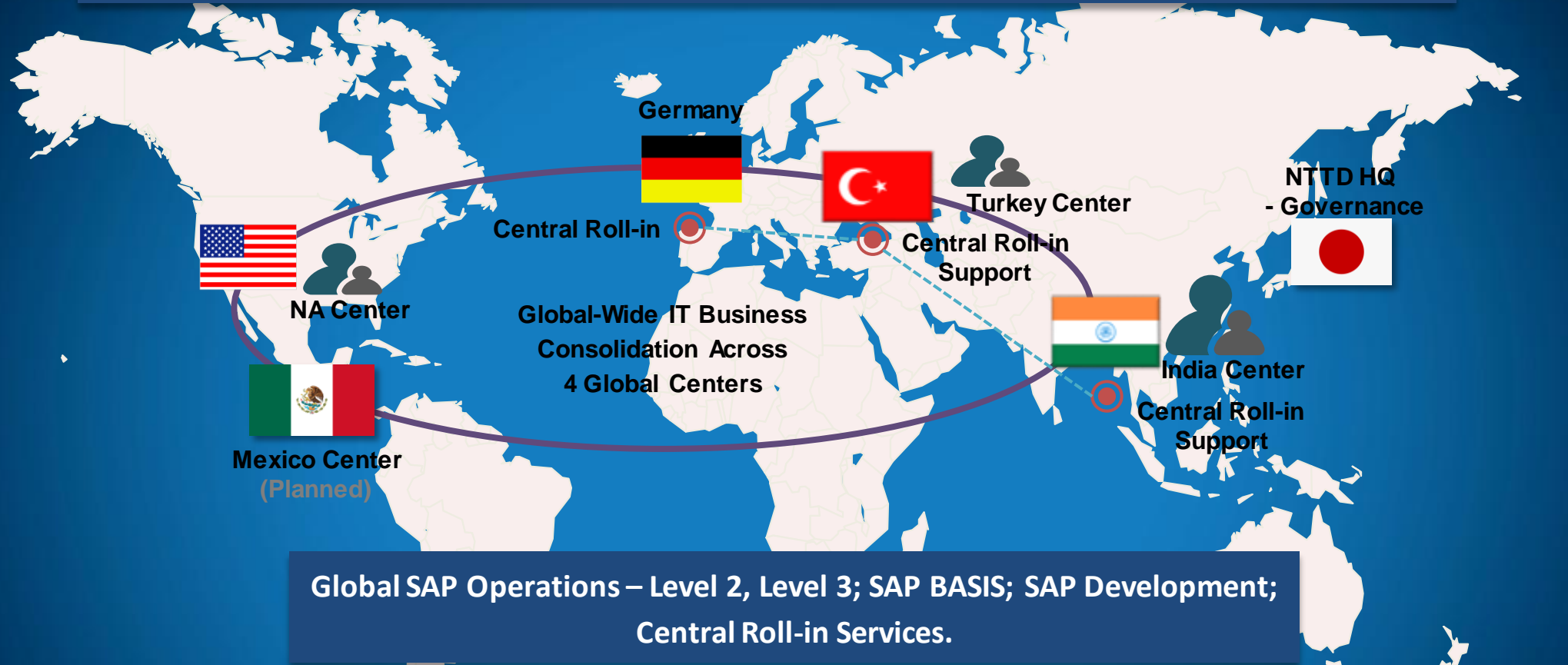
As of Mar. 2015

- **NTT DATA** was selected by the Vatican Apostolic Library to participate in its project to digitize and archive historic assets of humanity.
- **NTT DATA** is to digitize manuscripts, build and operate the digital archive systems for the Vatican Apostolic Library.






NTT DATA – Global SAP Template AMS Partner for Daimler

DAIMLER



Global SAP Operations – Level 2, Level 3; SAP BASIS; SAP Development; Central Roll-in Services.

	154 FTEs (240 by the end of 2015) T&M – 35; Managed Services - 119
	66 FTEs (120 by the end of 2015)
	3 FTEs (10 by the end of 2015)

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Section 1.

Trade Facilitation in Japan



Significantly increased in the past 35 years

Fact 1.

**# of Imp/Exp Declaration
grew by 557%**

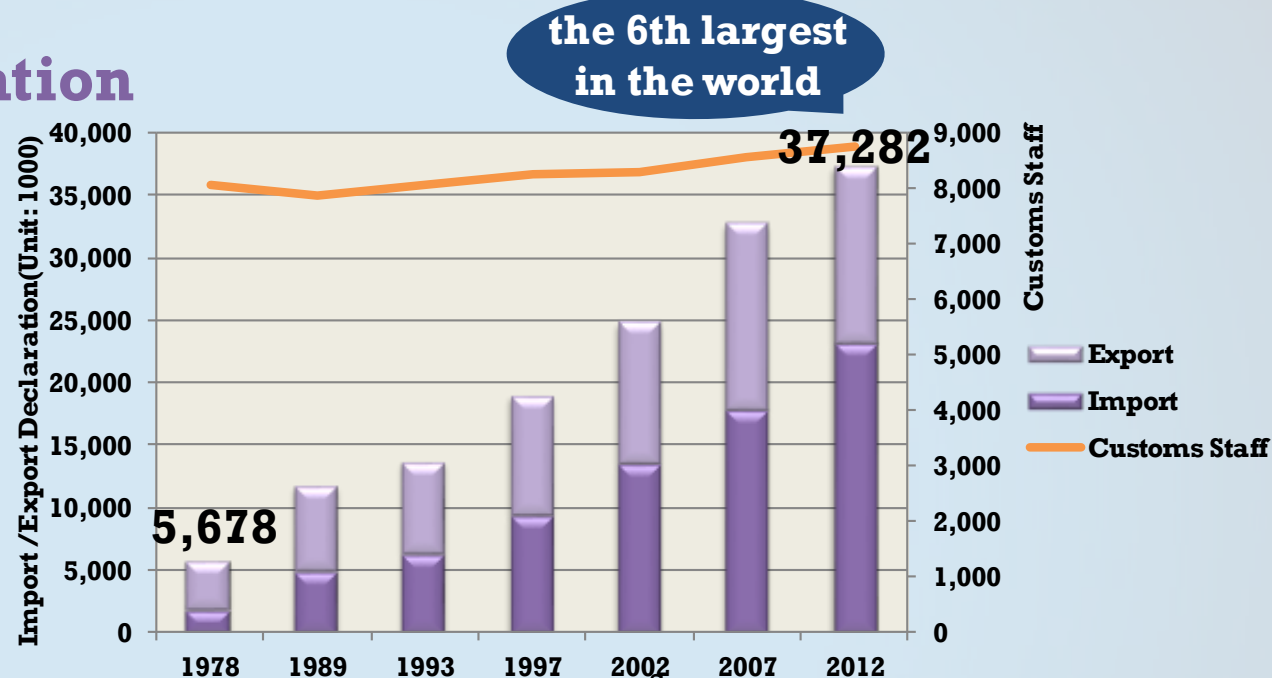
But

Fact 2.

**# of Customs staff
Nearly the same**

1978 : 8077 staff

2012 : 8778 staff



Sources
"Ensuring Peoples' Annexes" by Japan Customs
"ANNUAL REPORT 2013-2014" by WCO

NACCS implemented in 1978 has delivered the following benefits:

Expeditious Customs Procedures

High Speed

Secure & Safety Operation

High Quality

5 Key Features

Expeditious Customs Procedures

1 Reuse of Data & Full Automation

2 Highly Integrated with OGAs

Secure & Safety Operation

3 Advanced Screening

4 Secure E-Tax payment

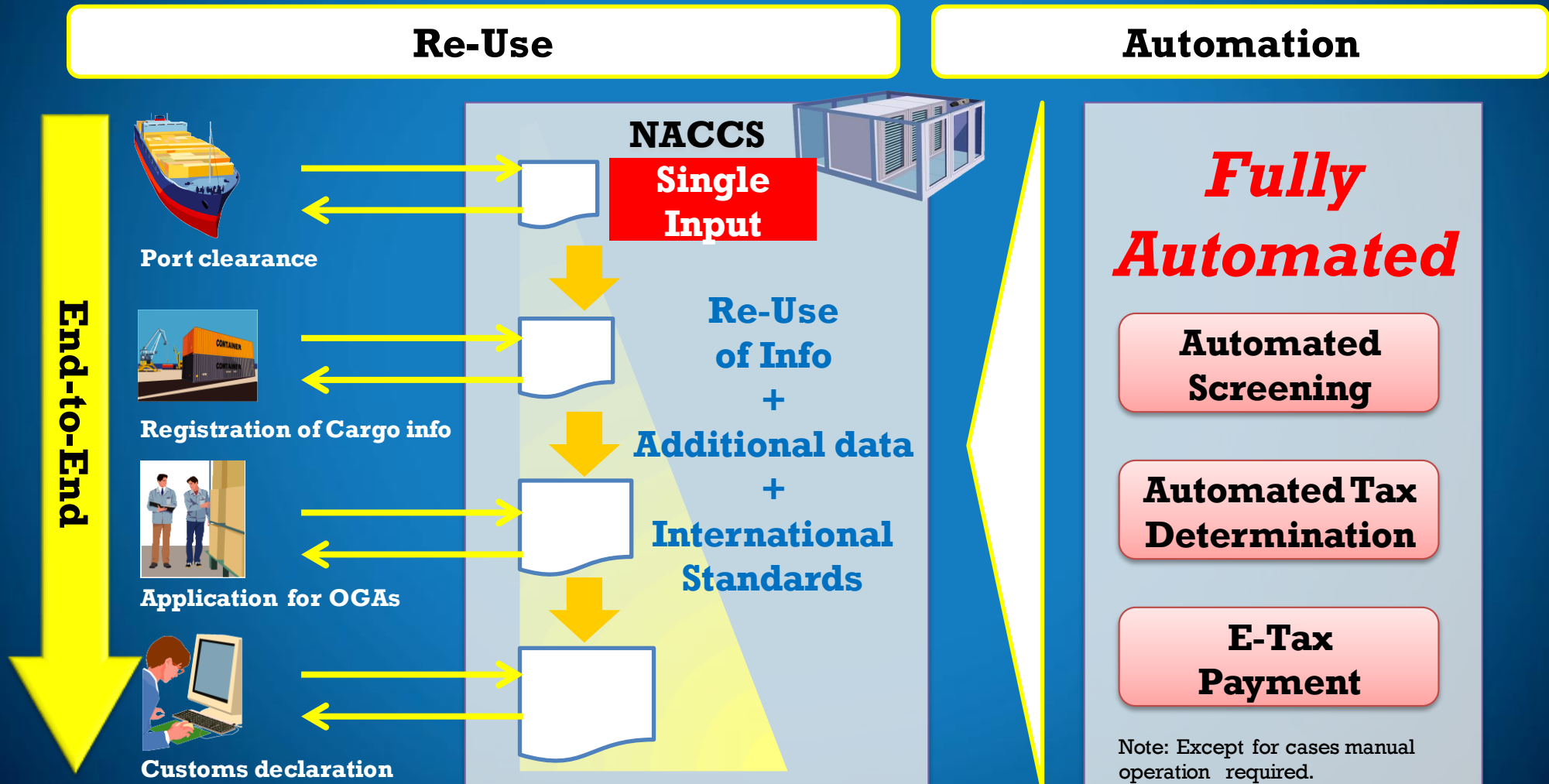
Total support for 1-4 features



5 High Level of Service (High Availability, High Performance)

1. Reuse of Data & Full Automation

1. Reuse of Data: Users can use information registered by other users
2. Automation: Prompt & accurate processes can be performed

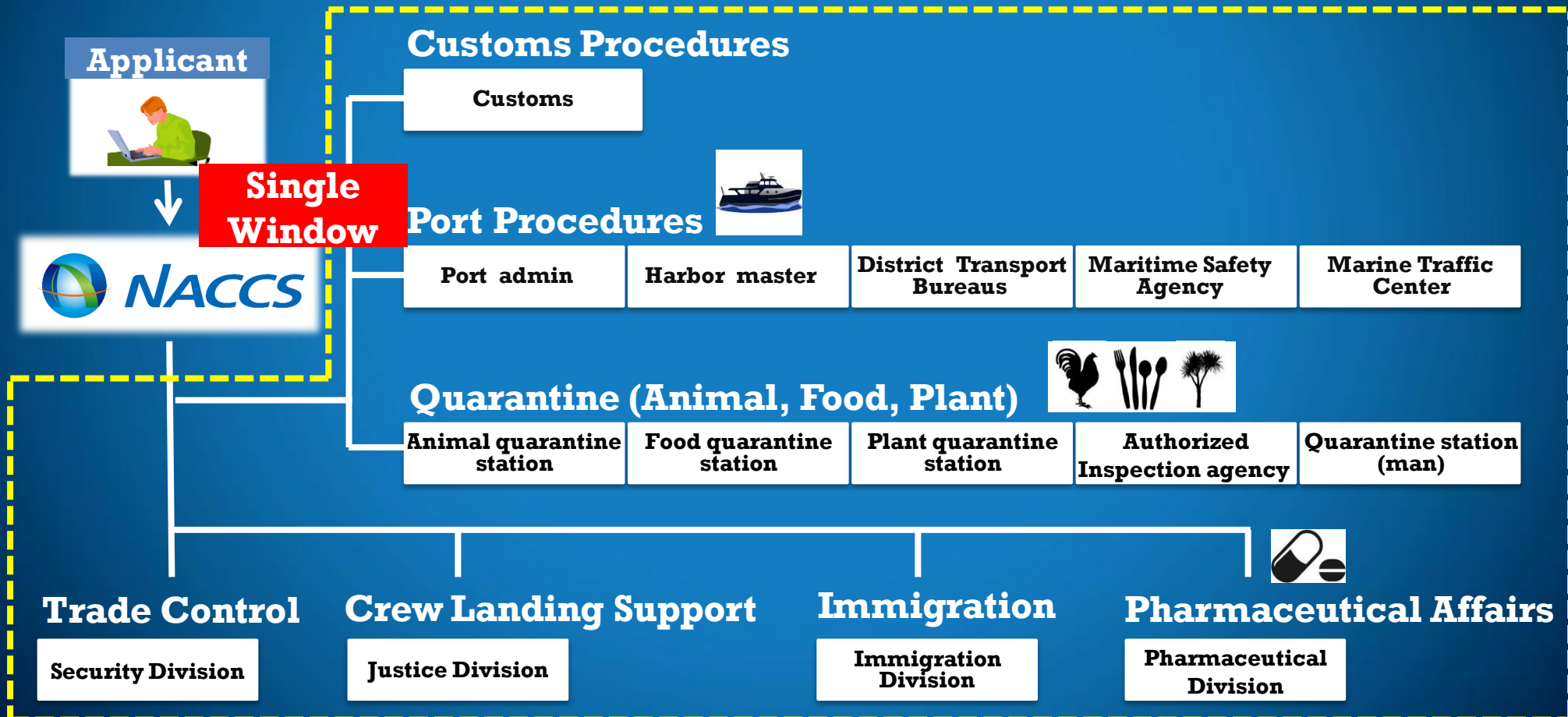


2. Highly Integrated with OGAs

Completely integrated Single Window

1. OGAs procedures can be processed inside NACCS
2. Real-time seamless end-to-end transaction from applicants to OGAs
3. Reporting & Analysis modules available for staff in the organizations

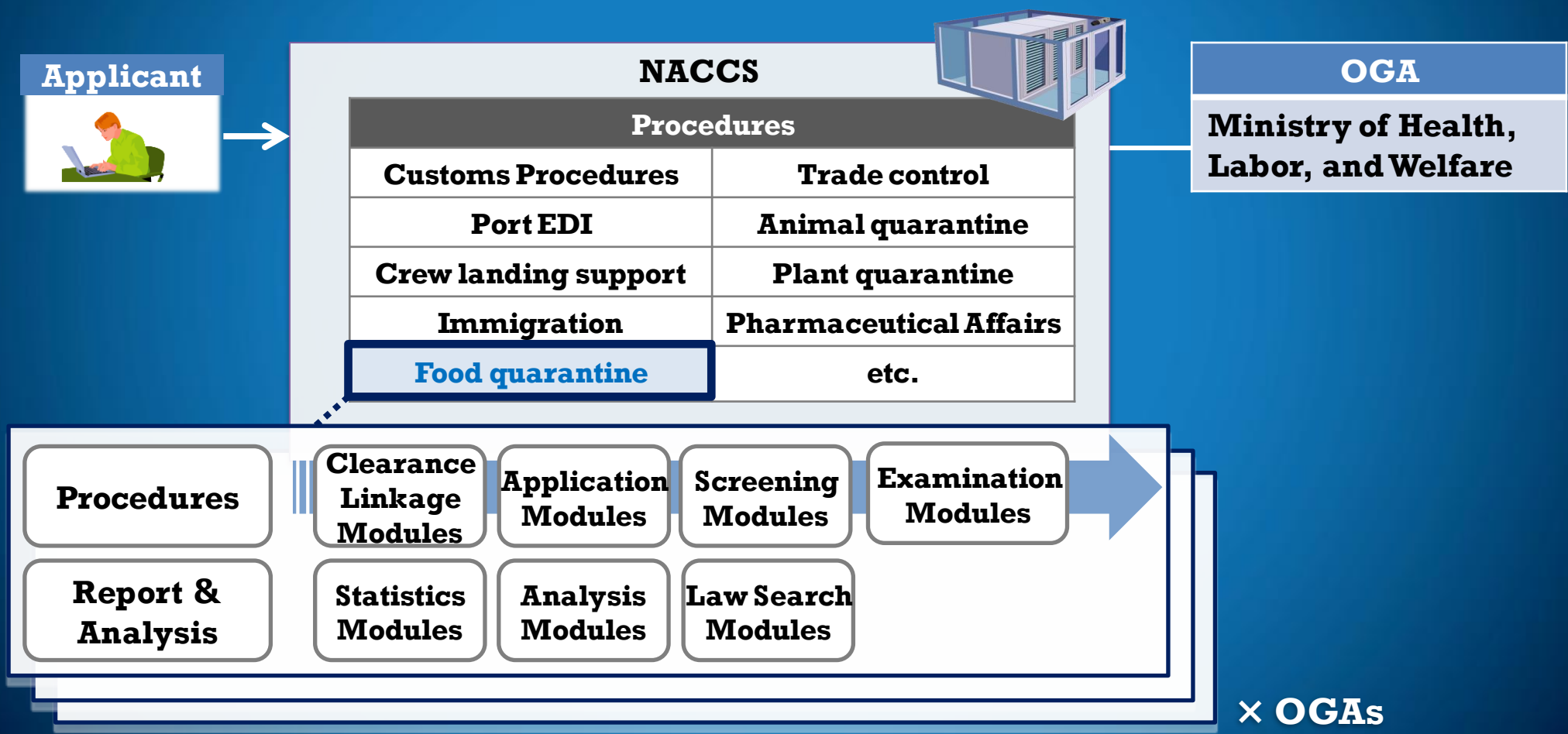
Single Window (OGA Procedures inside NACCS)



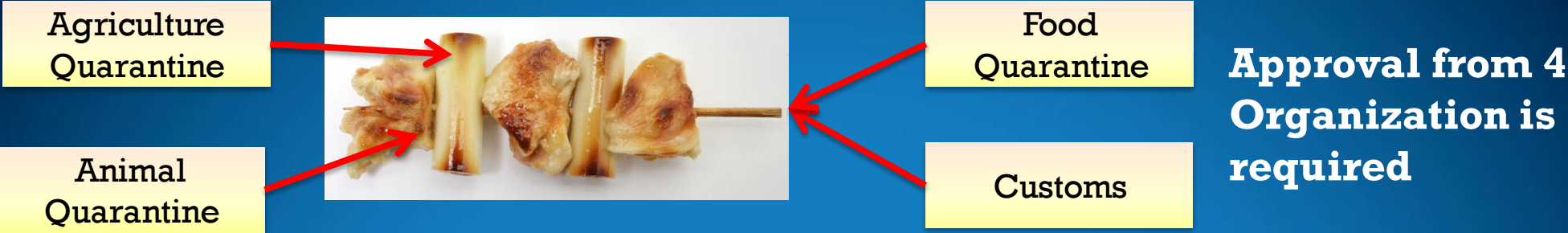
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Completely integrated Single Window

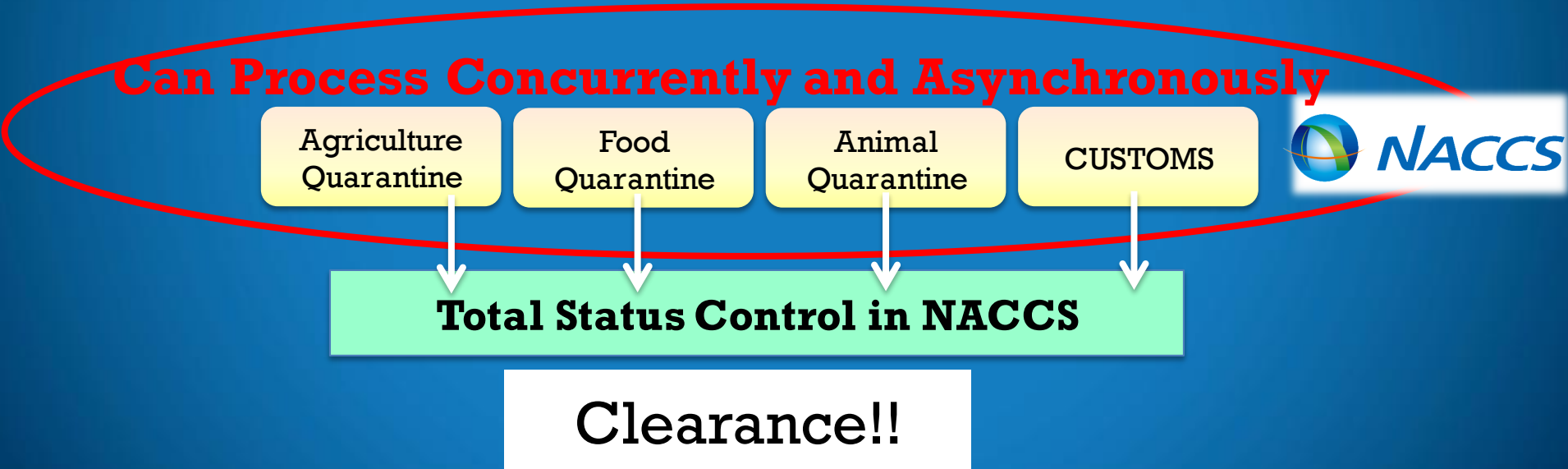
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2. Highly Integrated with OGAs



Parallel Operation by NACCS



Quick Operation by NACCS

3. Risk Management by Advanced Screening

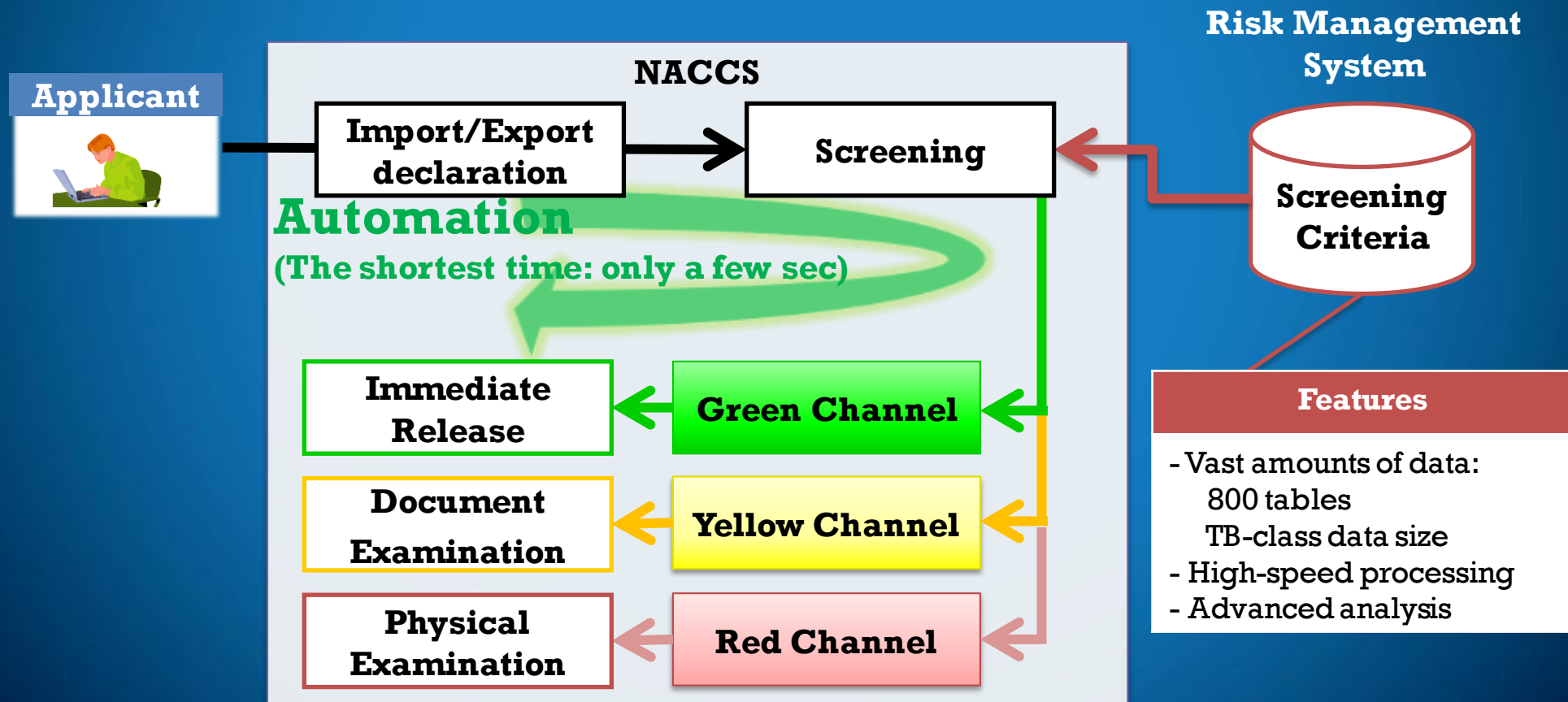
Speedy & more effective automatic screening

1. Risk analysis based on huge data stored in risk management system

2. Real time screening in one single transaction

(Transaction time (for declaration up to clearance): only a few seconds at shortest)

<Screening Flow>

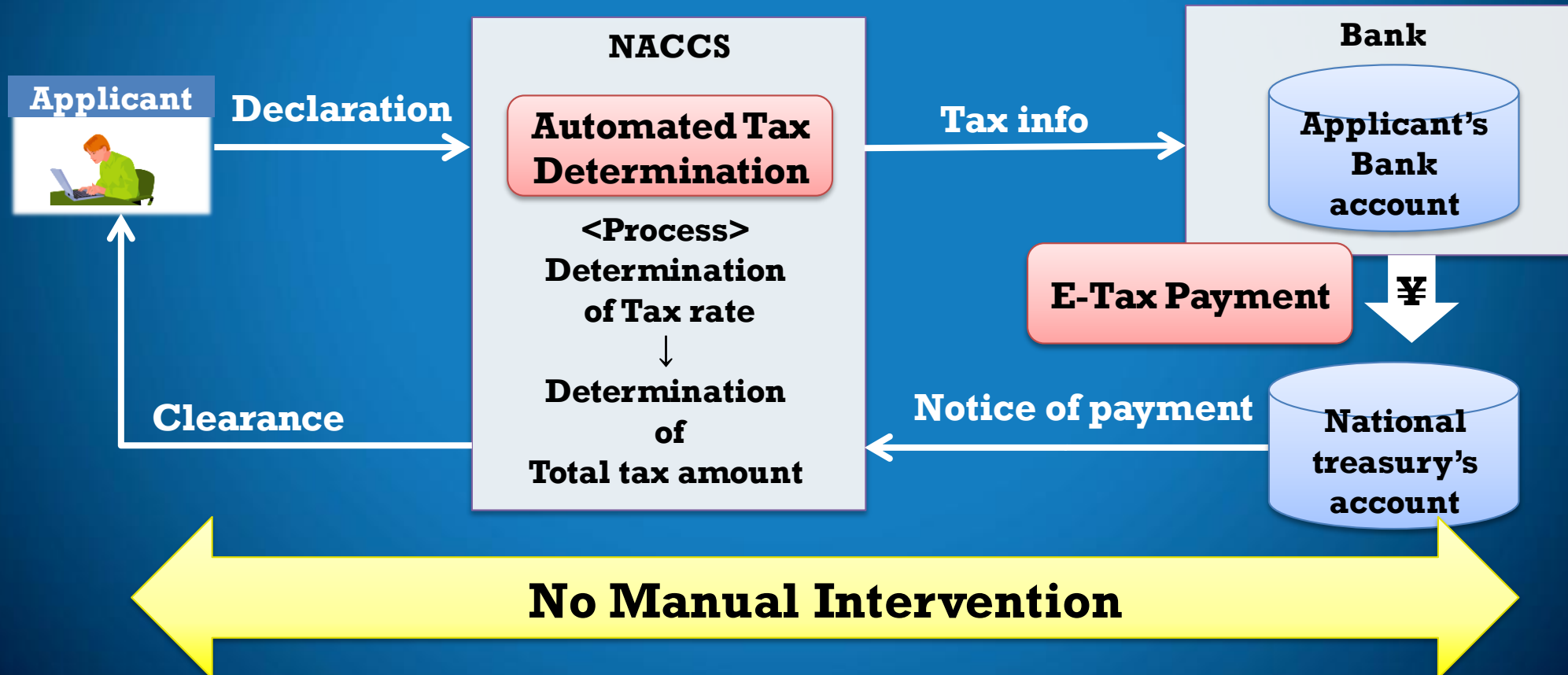


4. Secure & Accurate E-Tax payment

Automated tax calculation & E-Tax Payment contribute to

1. Prompt payment operation
2. Accurate tax collection without leakage

<Payment Flow>



A high level of service availability and performance supports faster customs procedures & secure tax collection

<NACCS Offers High Level of Service>

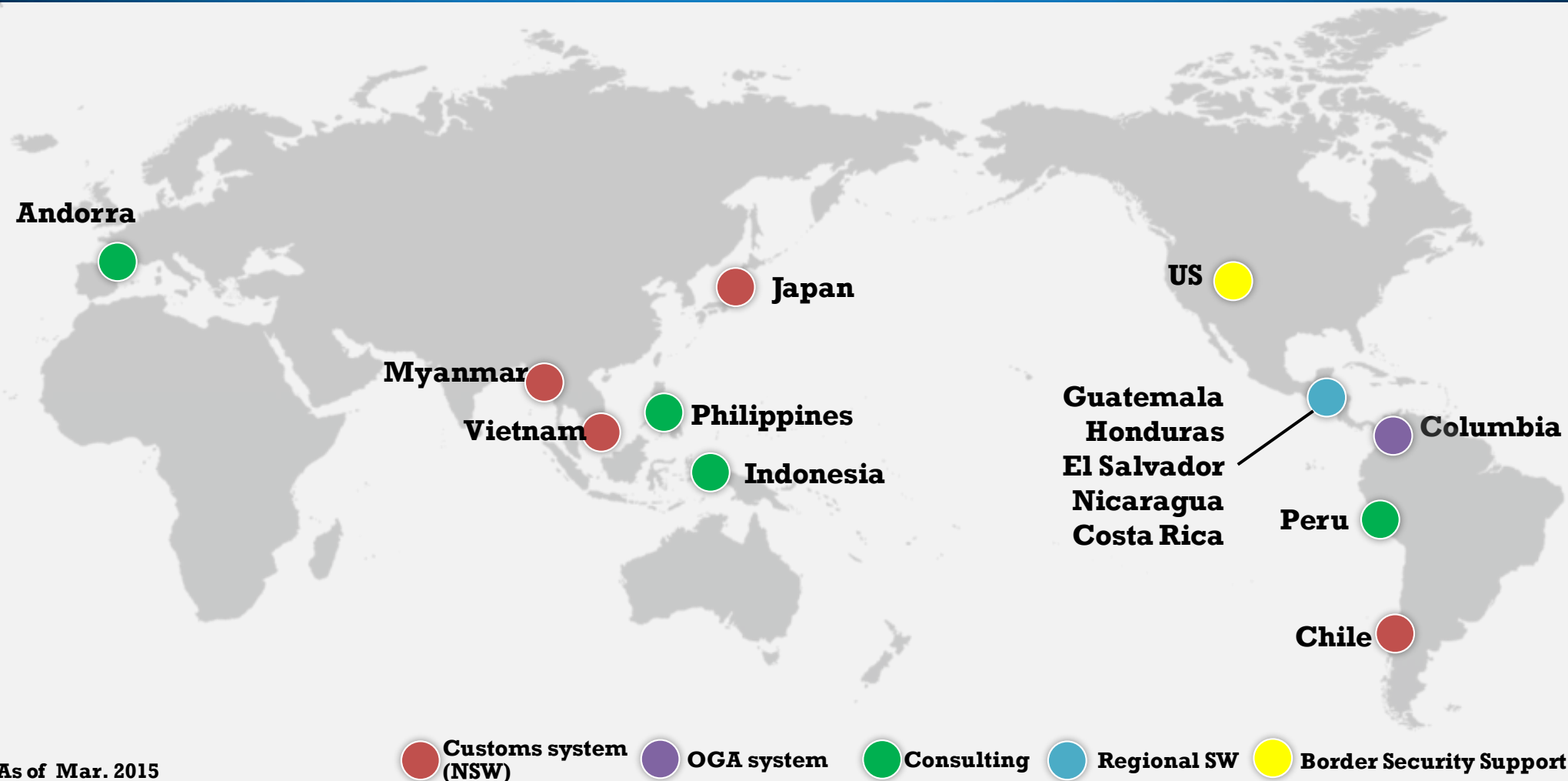
High Availability	<ul style="list-style-type: none">- 24/7 operations[*]- Service Level: 99.99%- Disaster recovery (in case of disaster, business continuity can be supported by the back-up data center)
High Performance	<ul style="list-style-type: none">- Average online processing time: Only 0.1 sec order (in NACCS server)

Section 2

Our Capabilities in Global Markets



Project Experience in 15 countries



As of Mar. 2015



**Leveraging expertise gained in Japan
(NACCS)**

1. Vietnam (VNACCS)



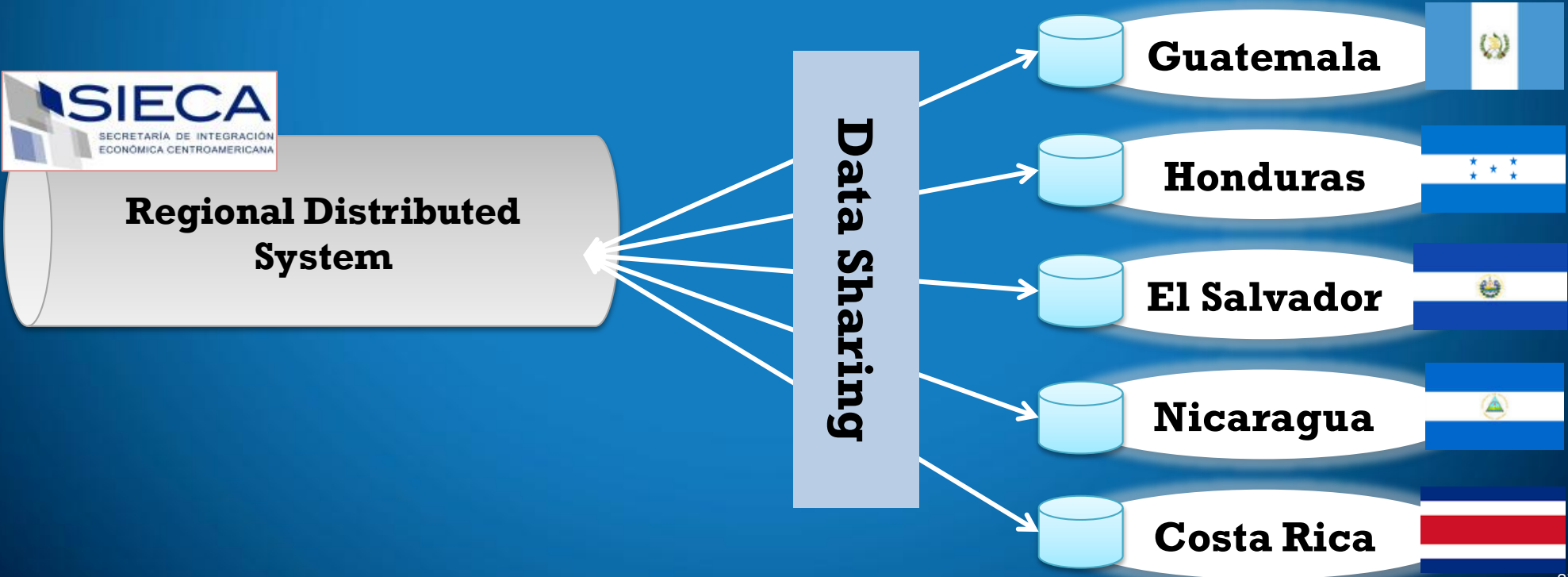
Project period	Aug, 2012 – Mar, 2014
The current status	<ul style="list-style-type: none">- Implemented across the country- Stable operations- Highly contributing to Vietnam Trade Facilitation

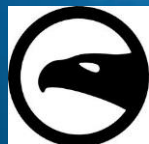
2. Myanmar (MACCS)



Project period	Oct, 2014 – ongoing
The current status	Making progress smoothly.

Overview	Regional Distributed System (Food & Beverage)	
	Purpose	<div>✓ Automation of sanitary registration procedures</div> <div>✓ Sharing ‘certificate of free sales’</div>
	Integration	<div>✓ Integration of existing customs systems</div>
	Global Standard	<div>✓ Pre-Defined BUS Architecture by WB</div> <div>✓ WCO Data Model v 3.0</div>





DHS Customs and Border Protection Secure Border Initiative

Providing full lifecycle Independent Verification & Validation (IV &V) to optimize US border security technologies

NTT DATA evaluates complex, integrated Secure Border technologies and provides recommendations for improvement.

Section 3

New Technologies for the Future



“Outlook and technology trends of the near future”

Derived by NTT DATA once a year

Targeted 12 Trends in 2015

4 Information Society Trends

8 Technology Trends



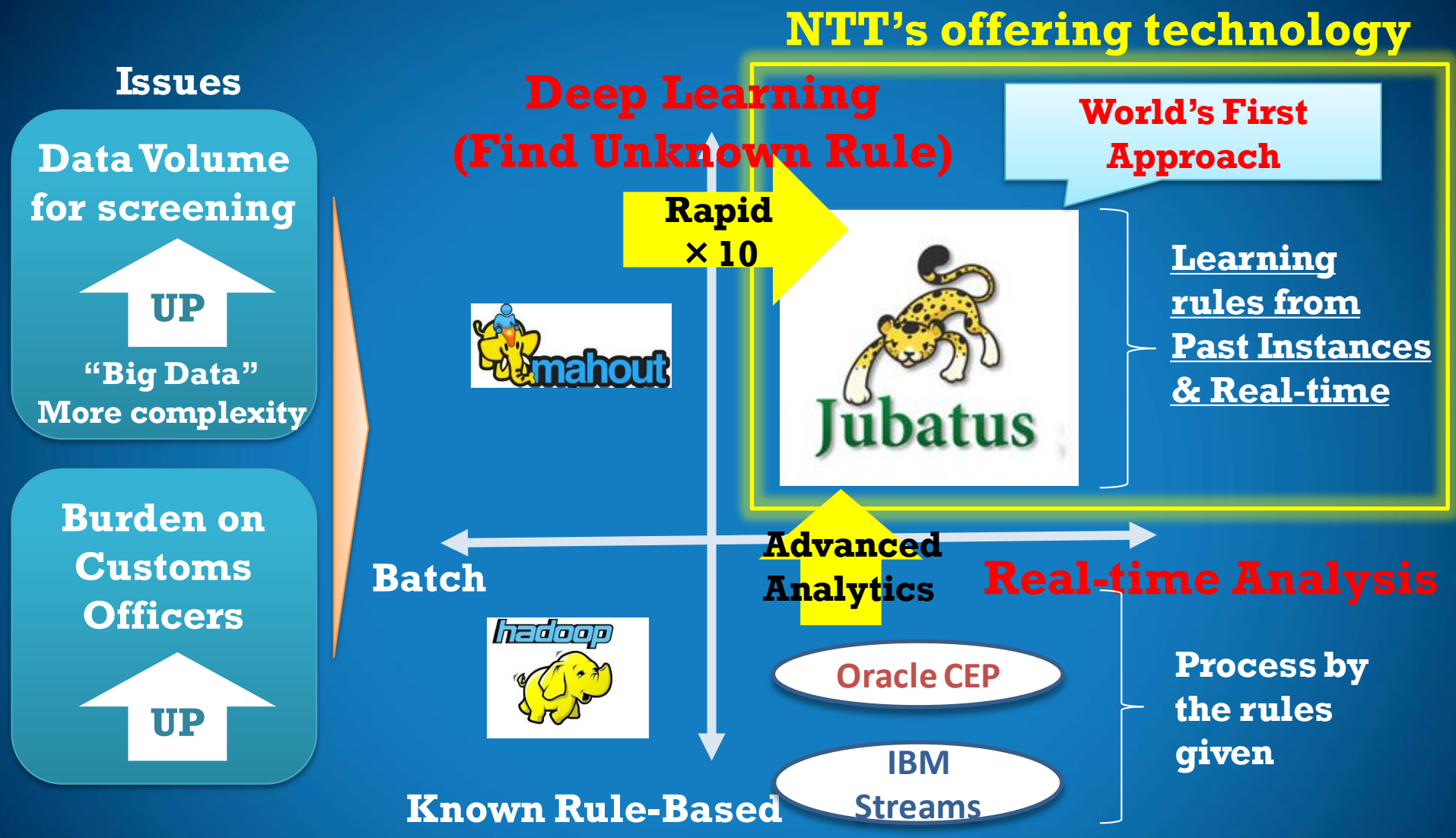
➡ 2 Key Technology Trends for Customs Domain

**Challenge of Artificial
Intelligence**

Cloud Optimization

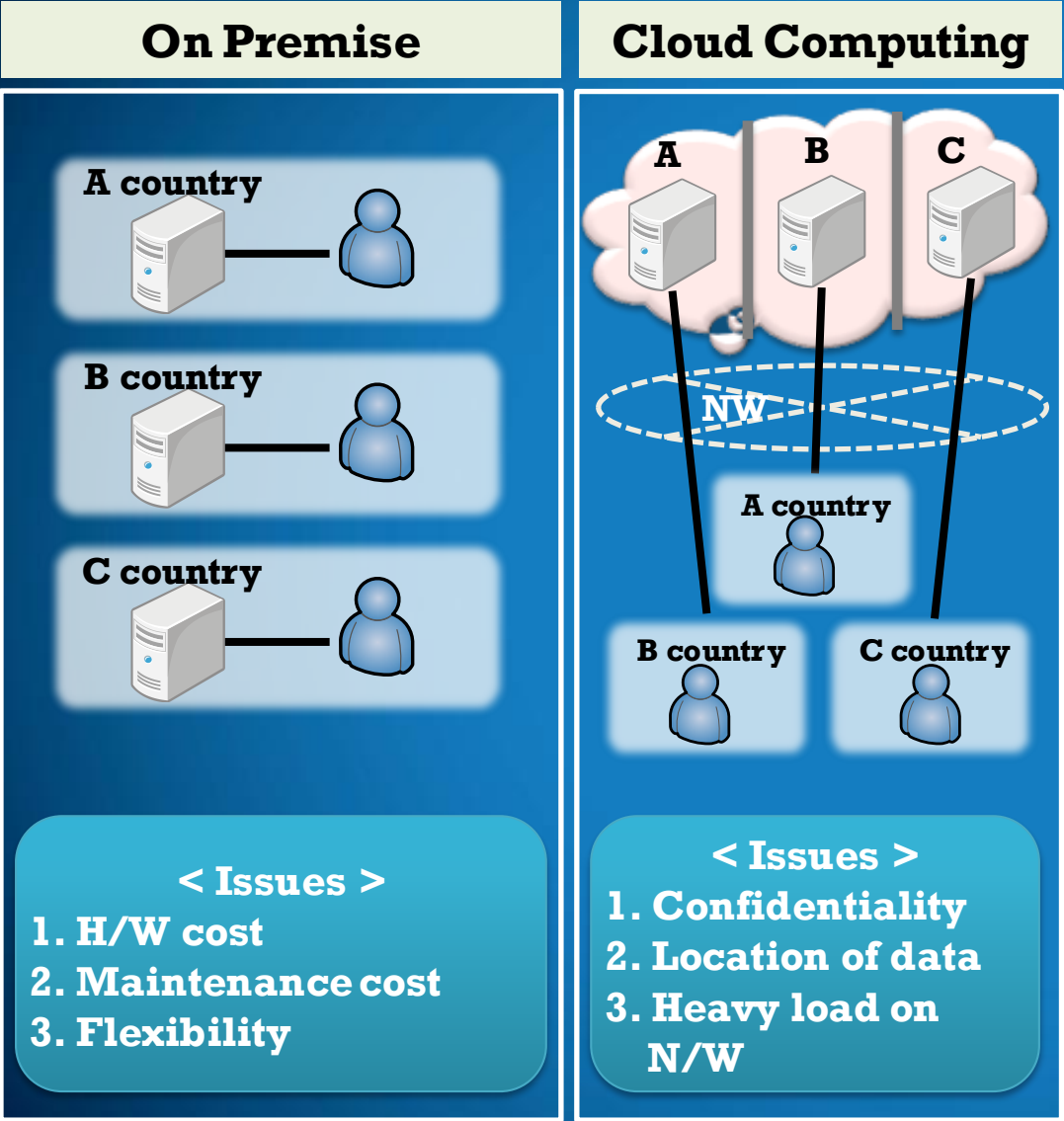
NTT DATA Technology Foresight 2015

<http://www.nttdata.com/global/en/insights/foresight/sp/index.html?fm=fl>

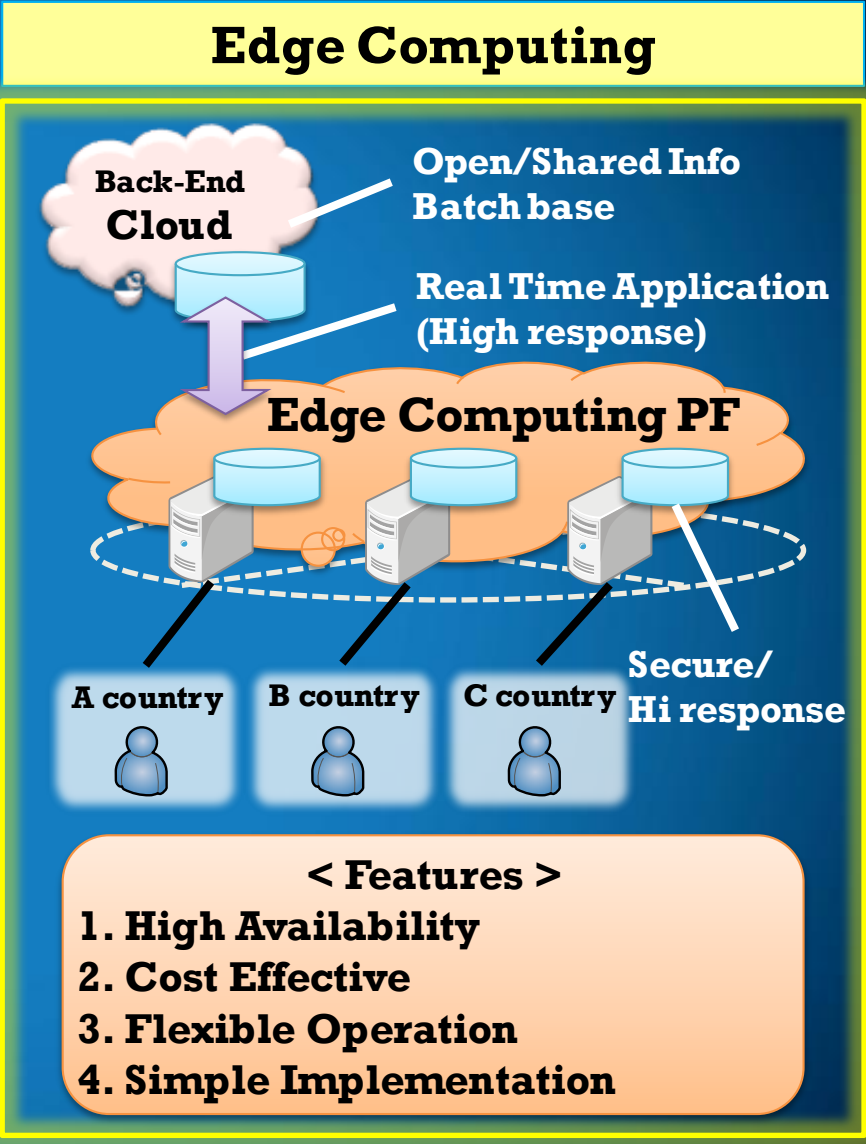


- <Benefits>**
- 1. Improvement of Screening Criteria
 - 2. Support the Analysis of Customs Officers

Current approach



NTT's offering technology



Section 1. Trade Facilitation in Japan

High Speed ,Quality and Secure SW in Japan

Section 2. Our Capabilities in Global Markets

ASEAN, Latin America

Section 3. New Technologies for the Future

New Value with our new technologies

**Our
Offering**

Contribution to Global Trade Facilitation

NTT DATA Corporation

Sales team

Email:

bmot_marketing@kits.nttdata.co.jp

Exhibition booth: #29

Thank you