

Thailand Single Window Case Story

**National Single Window Conference
“Single Window and the WTO Trade Facilitation Agreement
– Key Tools for Trade Development”**

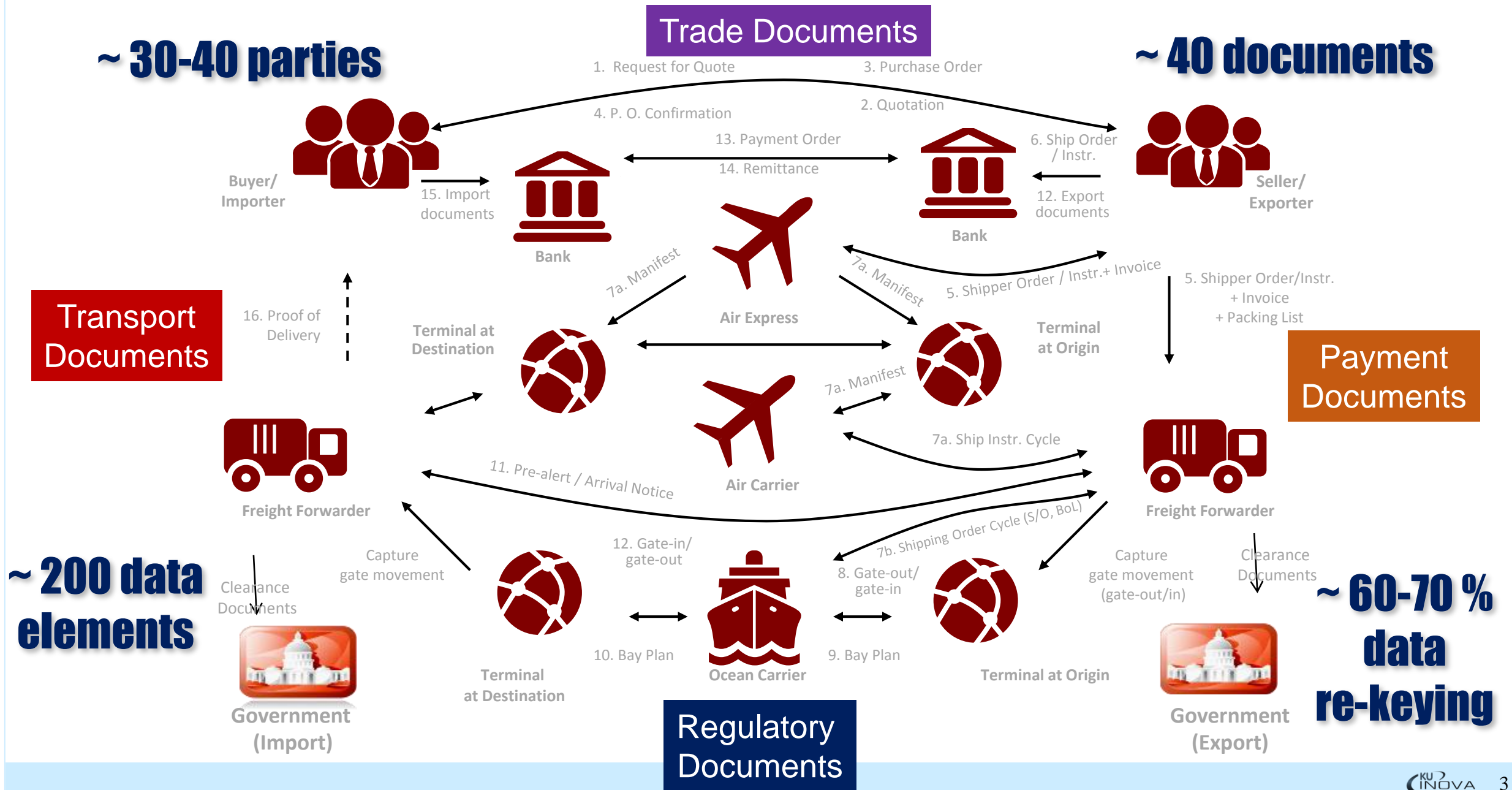
Accra, Ghana - 9th & 10th May 2017

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Kasetsart University - Bangkok, Thailand**

Objective

- **Importance of SW as a trade facilitation tool**
- **Progress made in Thailand**
 - Description of Thai-NSW
 - Indication of the progress
 - Key Factors in achieving this success
 - Potential Impact of Thai-NSW
 - In helping to implement the WTO TF Agreement – its role in achieving the TFA aims related to process simplification, border agency cooperation and transparency
 - Expected impact that Thai-NSW has/will have on trade and economic development in Thailand
- **Recommendations**

Export and Import Procedures are very complicated.



Export Procedures of an agriculture product

From purchasing time till the vessel leaving the sea port

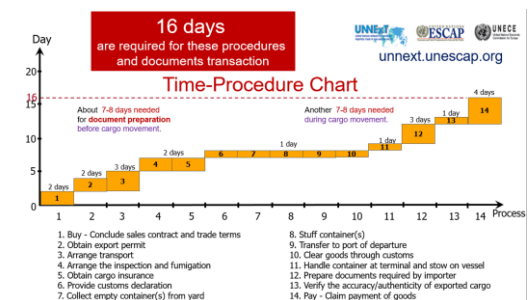
- 36 required documents
- 15 Stakeholders involved
- 14 main procedures (123 detailed steps)
- 16 days needed
 - About 6 days for **regulatory** procedures
 - About 7 days for **transport-related** procedures
 - About 12 days for **traders, banks and insurance** procedures

Poor Trade Competitiveness

Unpredictable/Long Delay

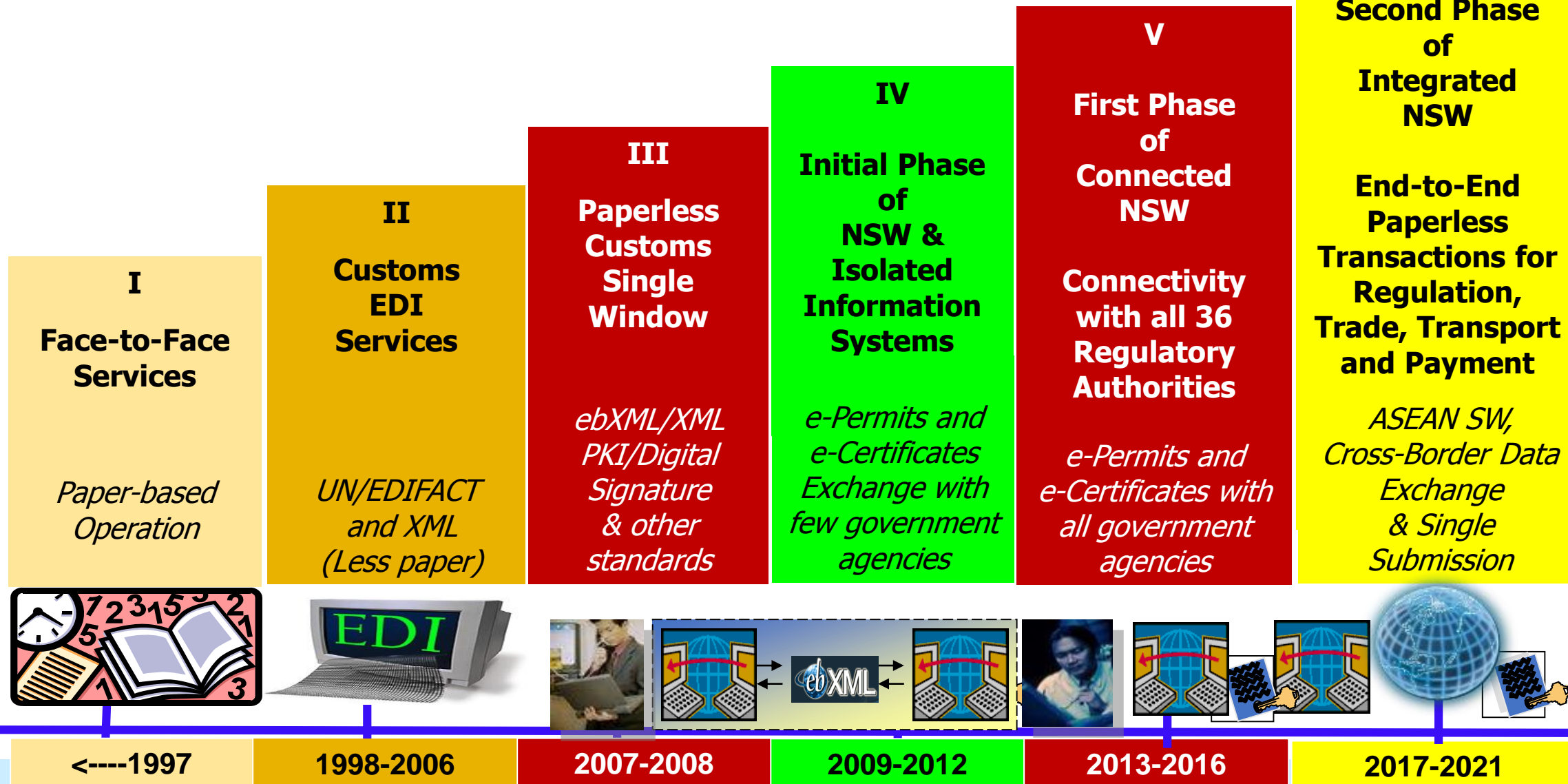
Error Prone

High Cost



Evolution of Thailand National Single Window

Continuous Improvement Journey for
Process Simplification and Stakeholder Cooperation



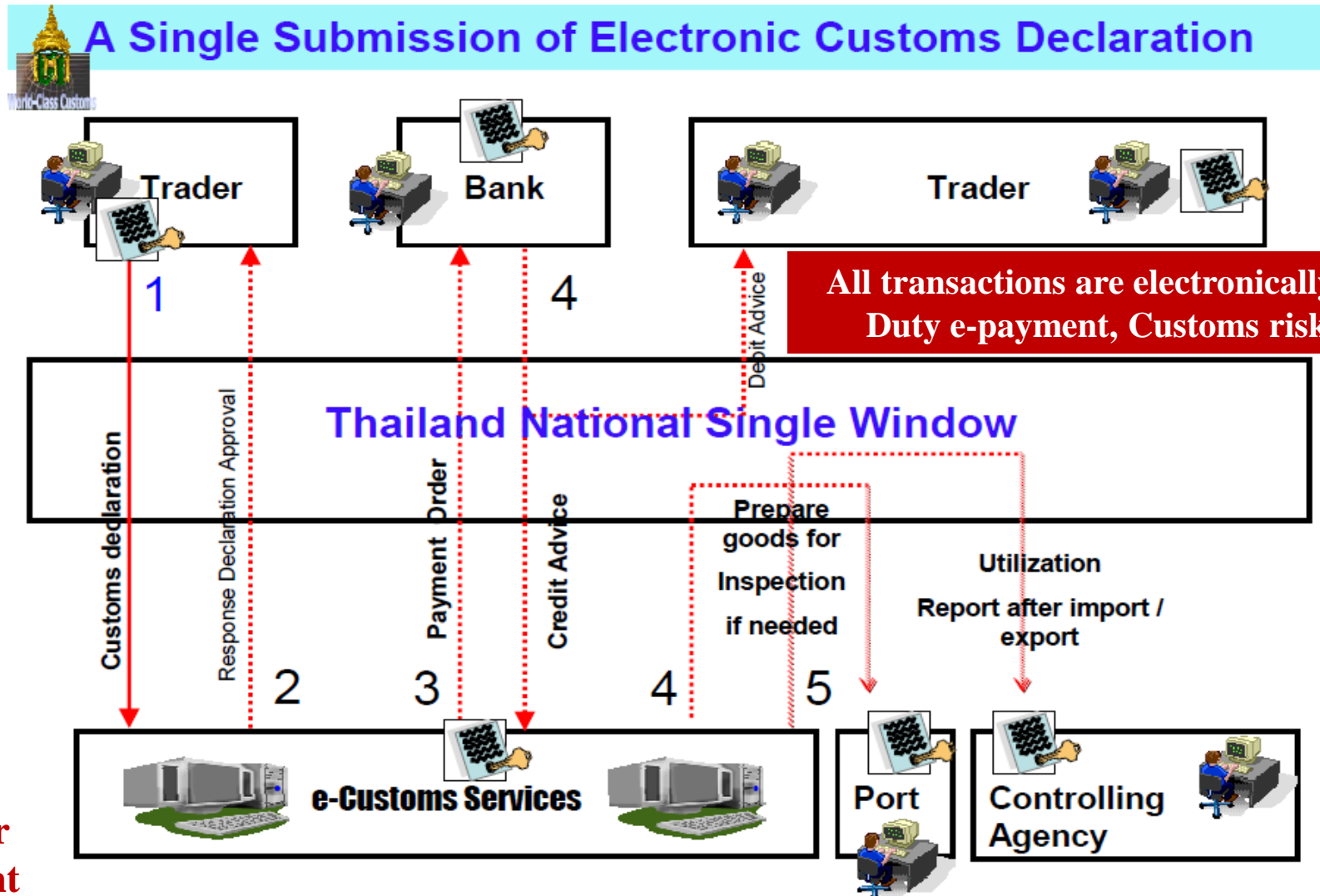
Key Milestones

Establishing Electronic Platforms for Facilitating Trade (by simplifying and automating import/export/transit procedures)

- **December 2005** – The Cabinet mandated **Thai Customs Department** to lead the collaboration among participating government agencies to establish national data linkage system for facilitating import/export/transit procedures
- **February 2007** – The Cabinet endorsed a holistic National Logistics Plan (Phase 1) including the **National Single Window Development Plan Phase 1 (2007-2011)** for enhancing trade facilitation
- **Mid Year 2007** – **Paperless Customs Single Window** established and in operation
- **As of December 2016** – 31 regulatory agencies (government and business) establishing connectivity and having electronic e-Permits/e-Certificate exchange with Thai Customs Department through the **Thai NSW Platform Phase 1**

Paperless Customs Single Window (operational since 2007)

[streamlining all key operations within Customs Department with electronic platform]



Electronic
Customs
Declaration
Submission
with
Digital
Signature

Import/Export
Declarations
and Approval
are conducted
online with better
Risk Management

All transactions are electronically processed e.g. Customs
Duty e-payment, Customs risk analysis, and reporting.

Faster Customs
Clearance
with less than
5% physical
inspection

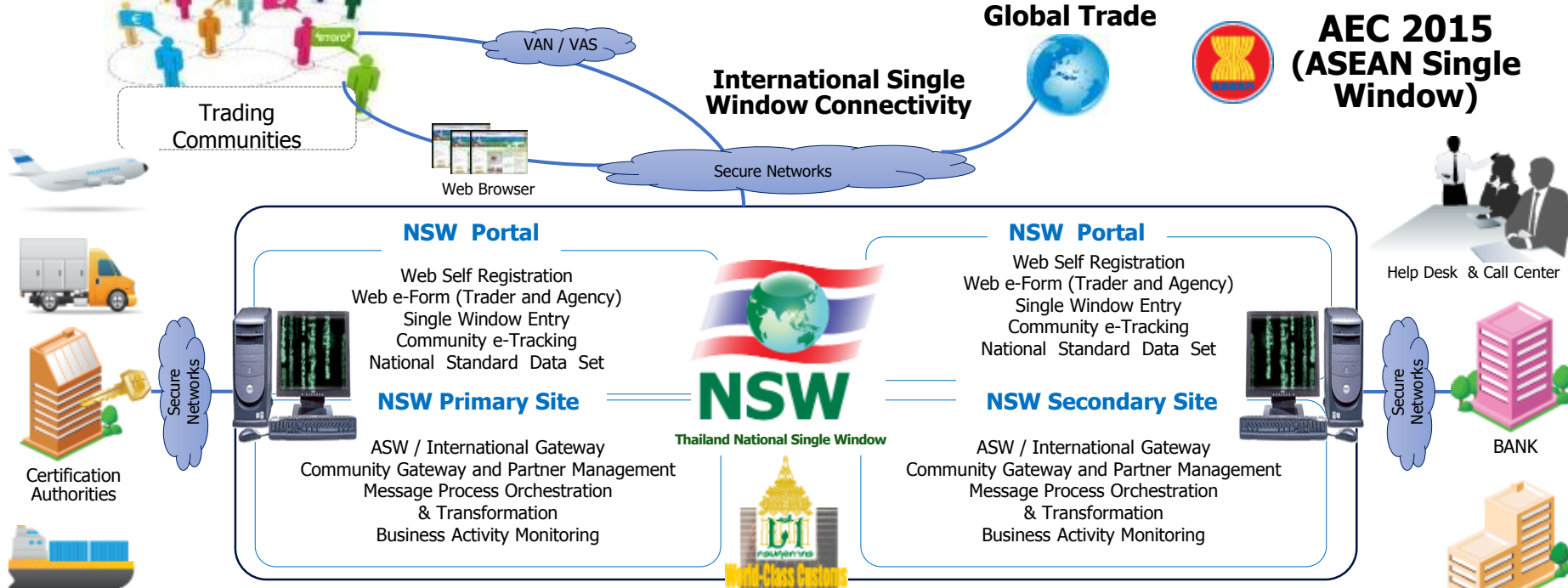


Thailand National Single Window 2016



Border Agency
Cooperation

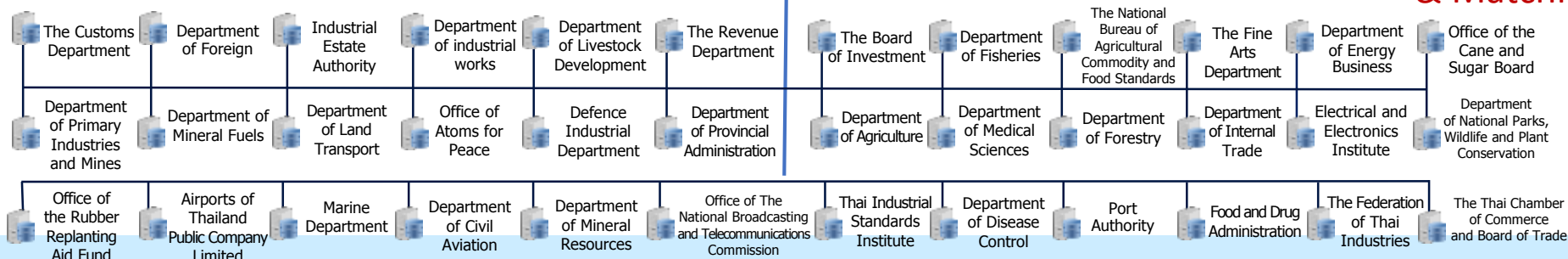
Better Transparency



e-Application Submission &
e-Permit/e-Certificate Issuance
of 36 regulatory agencies

e-Permit/e-Certificate
Information Exchange
& Matching with

Corresponding
Customs
e-Declaration



Impact - Trade Efficiency Improvement through Thai-NSW

Trading across border	2007	2008	2009	2010	2011
Export					
No. of Documents to Export (number)	9	7	4	4	4
Time to Export (days)	24 → 17		14	14	14
Cost to Export (US\$ per container)	848 → 615		625	625	625
Import					
No. of Documents to Import (number)	12	9	3	3	3
Time to Import (days)	22	14	13	13	13
Cost to Import (US\$ per container)	1042	786	795	795	795

(Source: Doing Business, World Bank).

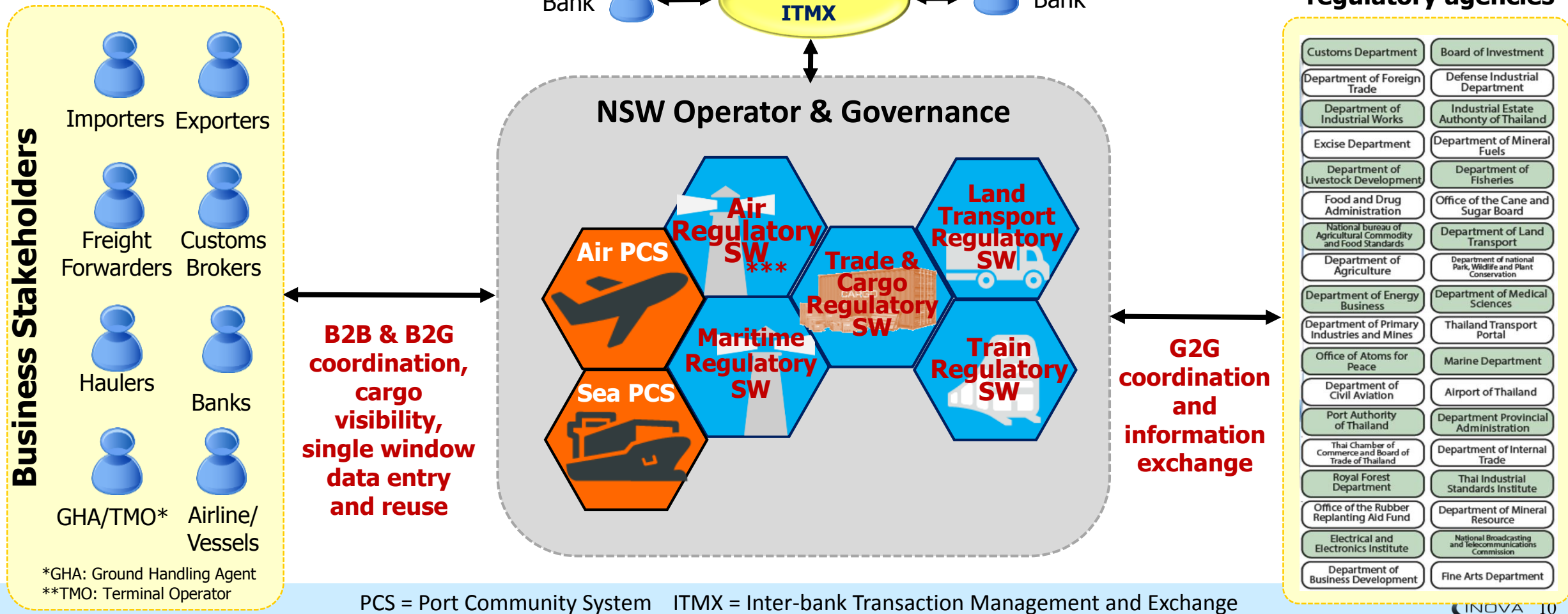
→ Transaction Cost Reduction: ~233 USD per container (less cost)
Transaction Time Reduction: ~7 days (faster)

A Way Forward – Thai NSW the next generation

Integrating “trade/transport/regulation and payment” transactions within the current G2G NSW platform

Expected Impacts (by 2021)

- ~50% Faster Trading Across Border
- Cost saving ~800 Million USD/year
- Multiple modal transport revenue increase



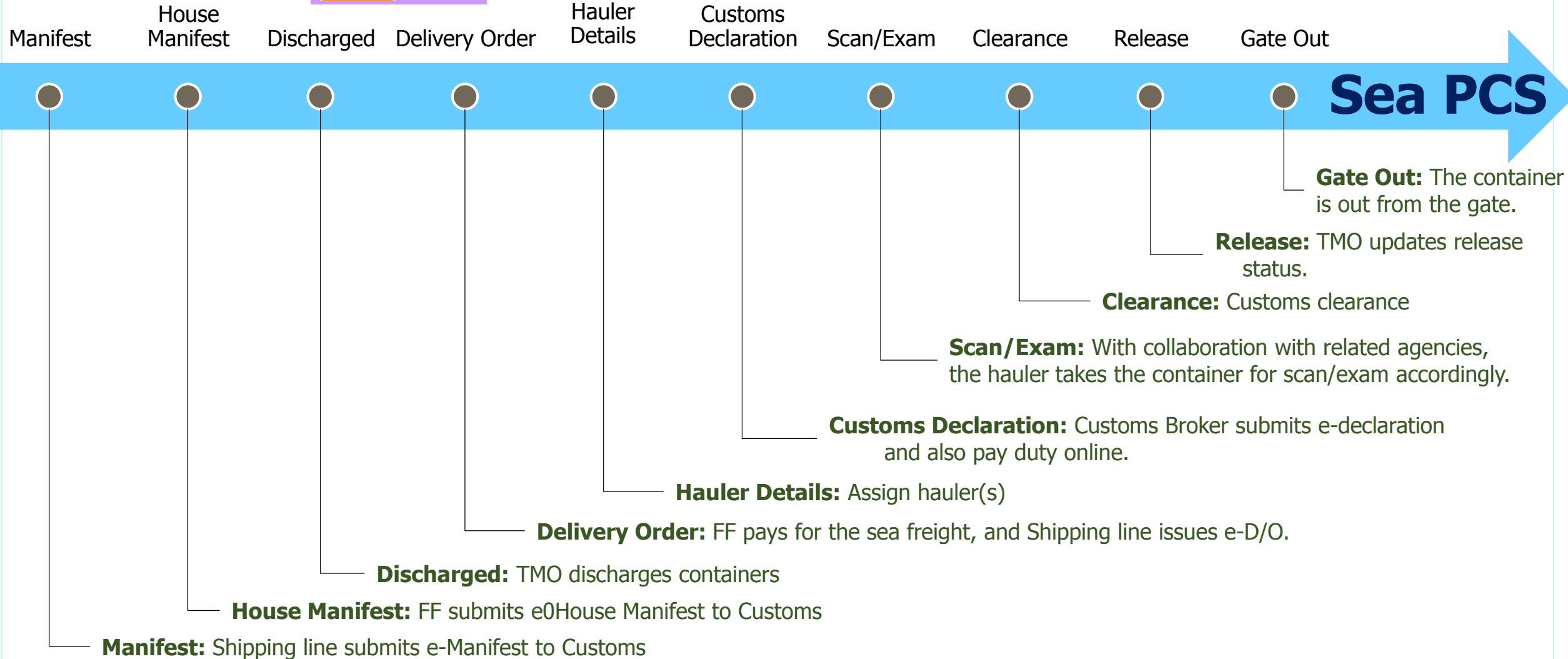
Key Success Factors/Recommendation

- Continuous High-Level Political Support
- Strong Lead Agency and Supporting Team
- Active Collaboration among Participating Government Agencies and Business Sector
- Simplifying and streamlining business processes
- Harmonizing of trading data/international standards
- Revising relevant laws and regulations
- Integrating among different ICT platforms, e.g. connecting the regulatory SW and PCS (Port Community System)

Better integrating/coordinating among **B2B** freight stakeholders and also among **government agencies** are needed to further improve trade facilitation.



- Example: Sea Cargo Import Process -



DATA EXCHANGE, NOTIFICATIONS & ALERTS are generated at each stage and accessible by respective stakeholders.

Thank you for
your kind attention

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Somnuk Keretho is an assistant professor of Computer Engineering Department, and the founding Director of Institute for IT Innovation (INOVA), a research and development institute of Kasetsart University, Thailand. He is specializing in ICT-enabled innovation, trade facilitation and e-logistics initiatives including National Single Window strategic planning and implementation, enterprise information architecture for e-government and e-business, business process analysis and improvement, data harmonization and modeling, ICT-related standards and interoperability, and process-oriented software engineering.

He led several ICT strategic projects at organizational, national and regional levels. For the past ten years, he has assisted Ministry of Digital Economy, National Economic and Social Development Board, Ministry of Transport, Port Authority of Thailand, and Ministry of Agriculture in architecting “Thailand National Single Window” related projects including its national e-logistics strategy, implementation plans, interoperability and standards, harmonization and simplification of trade and transport-related documents and procedures, automatic electronic-gate systems development for the Bangkok Port and the Leamchabang Sea Port, and related software development projects.

Several of those projects are extended with regional and international collaborations, in which Dr. Keretho has actively engaged mostly related to trade facilitation, single window and paperless trading initiatives through UNESCAP, UNECE, APEC, ASEAN and GMS. He has played several roles in catalyzing the creation of and actively contributing to the United Nations Network of Experts for Paperless Trade in Asia and the Pacific (www.unescap.org/unnext). He is the main author of the UNNExT Business Process Analysis Guide, the UNNExT Data Harmonization Guide and the UNNExT Guide for Single Window Planning and Implementation.