

ASEAN Single Window



Asian Forum for Information Technology (AFIT)
Tokyo, Japan
22nd-23rd October 2007



Global Trend for Single Window

- Europe – Finland, Sweden, Denmark and etc
- Electronic SAD for Sweden – Finland – Russia
- Asia – Singapore
- Africa – Senegal and Kenya
- Australia – Government Data Harmonization Project in preparation for National SW

LATEST

- Africa Alliance for E-Commerce (replica of PAA)
- ASEAN Single Window initiatives

Acronyms



- ASEAN
 - Association of Southeast Asian Nations
- ASW
 - ASEAN Single Window
- NSW
 - National Single Window
- IATFASW
 - Inter-Agency Task Force for ASW
- ASW TWG
 - ASEAN Single Window Technical Working Group
- ASW LWG
 - ASEAN Single Window Legal Working Group
- ASW SC
 - ASEAN Single Window Steering Committee



About ASEAN members



■ ASEAN member countries :

- Brunei
- Cambodia
- Indonesia
- Lao PDR
- Malaysia
- Myanmar
- Philippines
- Singapore
- Thailand
- Viet Nam

■ ASEAN + 6

- Brunei
- Indonesia
- Malaysia
- Philippines
- Singapore
- Thailand

■ ASEAN + 4 (CLMV)

- Cambodia
- Lao PDR
- Myanmar
- Viet Nam

Visit www.aseansec.org for more info about ASEAN



Introduction to ASEAN Single Window



Background Information



Introduction



- Recommendations, Bali Concorde II: Enhance competitiveness of ASEAN economies and goods in response -
 - Adopting the Single Window approach
 - Electronic processing of data and information
- Ultimate goal: Accelerating the customs clearance of goods and commodities in achieving higher economic efficiency through -
 - Streamlining and simplifying related procedures
- ASEAN Economic Ministers (AEM) and ASEAN Customs Directors-General
 - 2004: Inter-Agency Task Force (the Task Force) to design and establish the ASEAN Single Window (ASW)



Introduction..cont



- December 9, 2005: AEM signed the Agreement to Establish and Implement the ASW (ASW Agreement) in Kuala Lumpur
- The ASW would be fully operational in Brunei Darussalam, Indonesia, Malaysia, the Philippines, Singapore and Thailand by 2008 and in Cambodia, Lao PDR, Myanmar and Viet Nam before 2012
- Strategic Plan of Customs Development 2005-2010 (adopted by ASEAN Finance Ministers): Target time of release of 30 minutes on average.



- The core of the ASW : Streamlining and simplifying intervention in process, procedures and formalities.
- Synchronized and integration of National Single Windows (NSWs) in securing a timely release of shipments.
- Main agenda of the Inter-Agency Task Force: Standardization of processes, data, information parameters and documentation in line with internationally recognized standards

Latest Development



- IATFASW ended its mandate in 2005
- Replaced by ASW SC (Chaired by Philippines Customs)
 - ASW Technical Working Group (Chaired by Royal Malaysian Customs)
 - ASW Legal Working Group (Chaired by Philippines Customs)



DEFINITION OF ASEAN SINGLE WINDOW



“Definition of the ASEAN Single Window: *For the purpose of the Agreement, the ASEAN Single Window is defined as the environment where national Single Windows operate and integrate. Functions and roles of a National Single Window are based on a single submission of data and information, of a single and synchronous processing of data and information and a single decision making for customs release and clearance. A single decision-making is uniformly interpreted as a single point of decision for the release of cargoes by the Customs on the basis of decisions taken by line ministries and communicated timely to the Customs.”*

*Extracted from the agreement signed by the
ASEAN Economic Ministers in the 11th ASEAN Summit, Kuala Lumpur,
December 2005*



CONCEPTUAL MODEL: National Single Window Systems

ASW = 10 National Single Windows



Structure of the ASEAN Single Window



- Composed of:
 - Technical components,
 - Functional and business processes and standardized data and information, and
 - Necessary legal backgrounds for its effective implementation in a specific environment
- ASW: An integrated environment of collective efforts of all stakeholders



- The ASW structure has been designed on identified functions of individual stakeholders in the international supply chain to facilitate movement of goods and commodities across national borders.
- The ASW functions on relationships of Government-to-Government, of Government-to-Business, of Business-to-Business or Business-to-Government.
- It operates in the simplification and harmonization of customs procedures and formalities and standardization information parameters to international standards.

- The ASW combines major functions of the international supply chain, namely, transportation, commercial transactions, movement of cargoes and means of transport.
- The ASW streamlines intervention of various stakeholders and users with a view to optimize related processes.

- Practically, the National Single Windows (NSWs) and the ASW would form part of a more comprehensive program of e-Government in improving transactional efficiency and effectiveness.
- The NSWs and ASW contribute to improve not only services by customs authorities to the public but also promote good governance in optimizing the intervention by any related stakeholder.

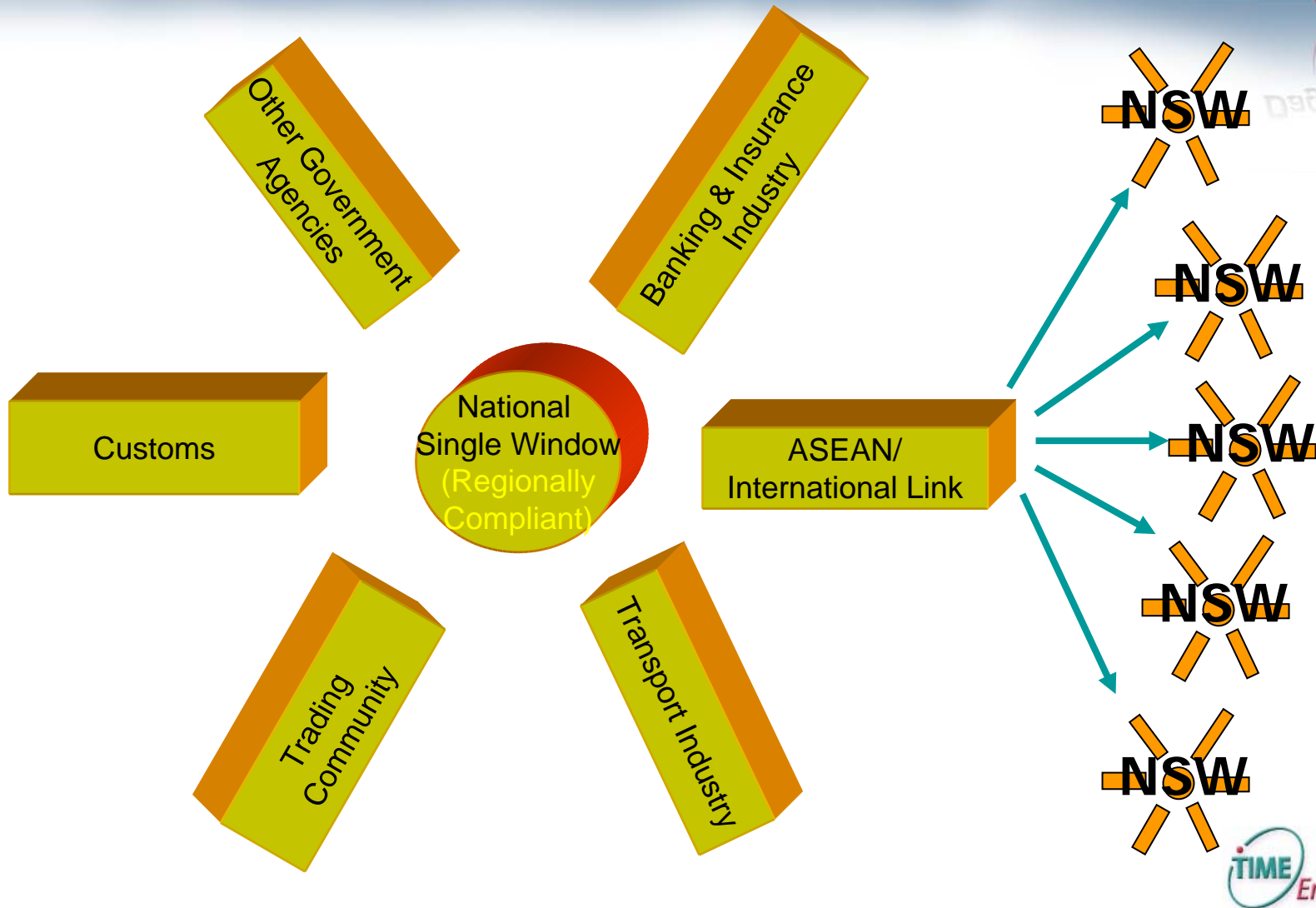
Other achievements

- 8 Customs processes
- ASEAN Customs Declaration & information parameters
- AHTN – ASEAN Harmonized Tariff Nomenclatures
- Comparative Matrix of Customs data requirement for Import & Export of 10 ASEAN countries
- Pilot project between PH & TH Customs
 - Exchange of CEPT Form D & Export Declarations
 - Adopted ebMS (communication protocol) & UNEDocs (messaging standards)

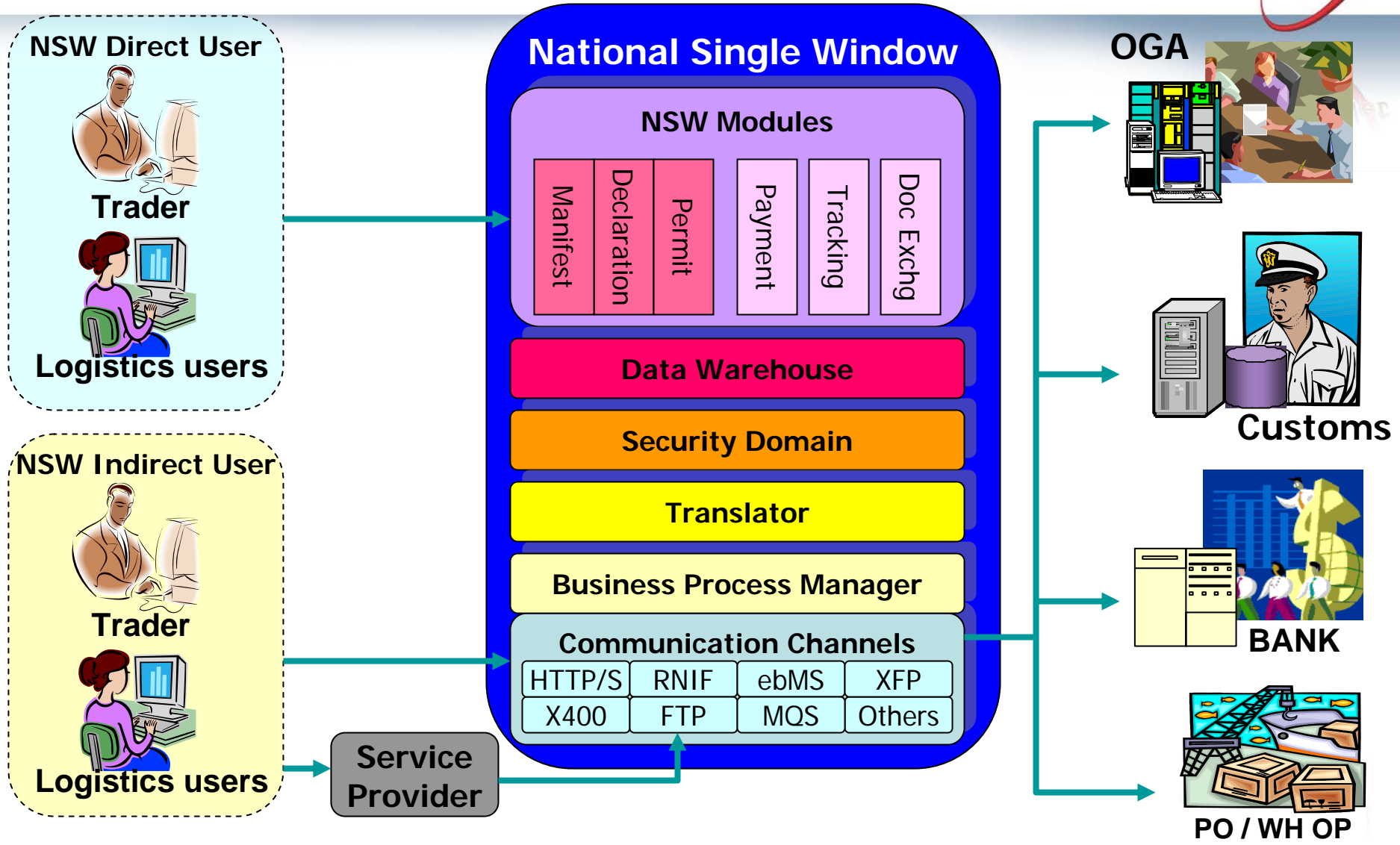
Technical Aspect of ASW



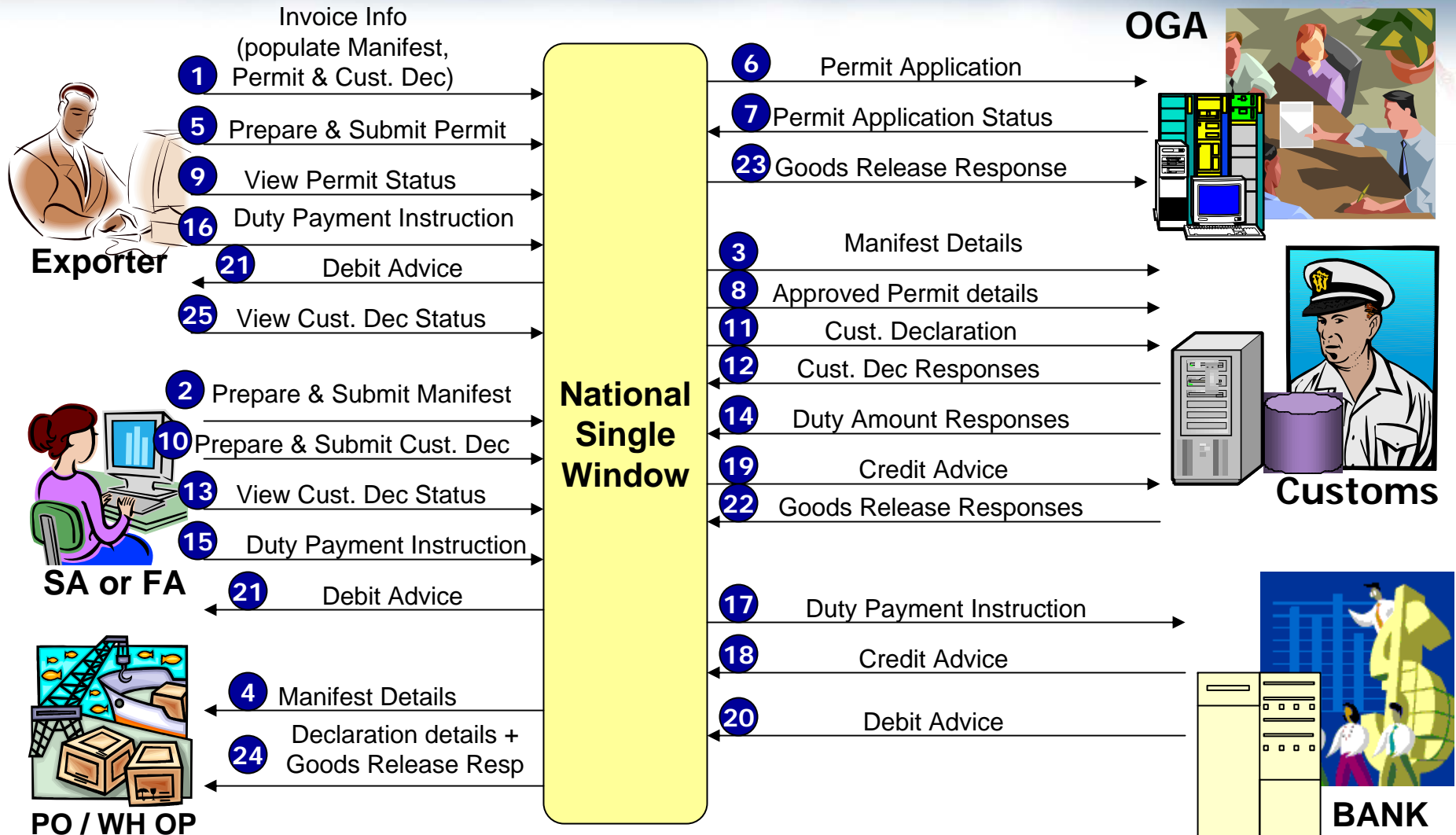
National Single Window Stakeholders



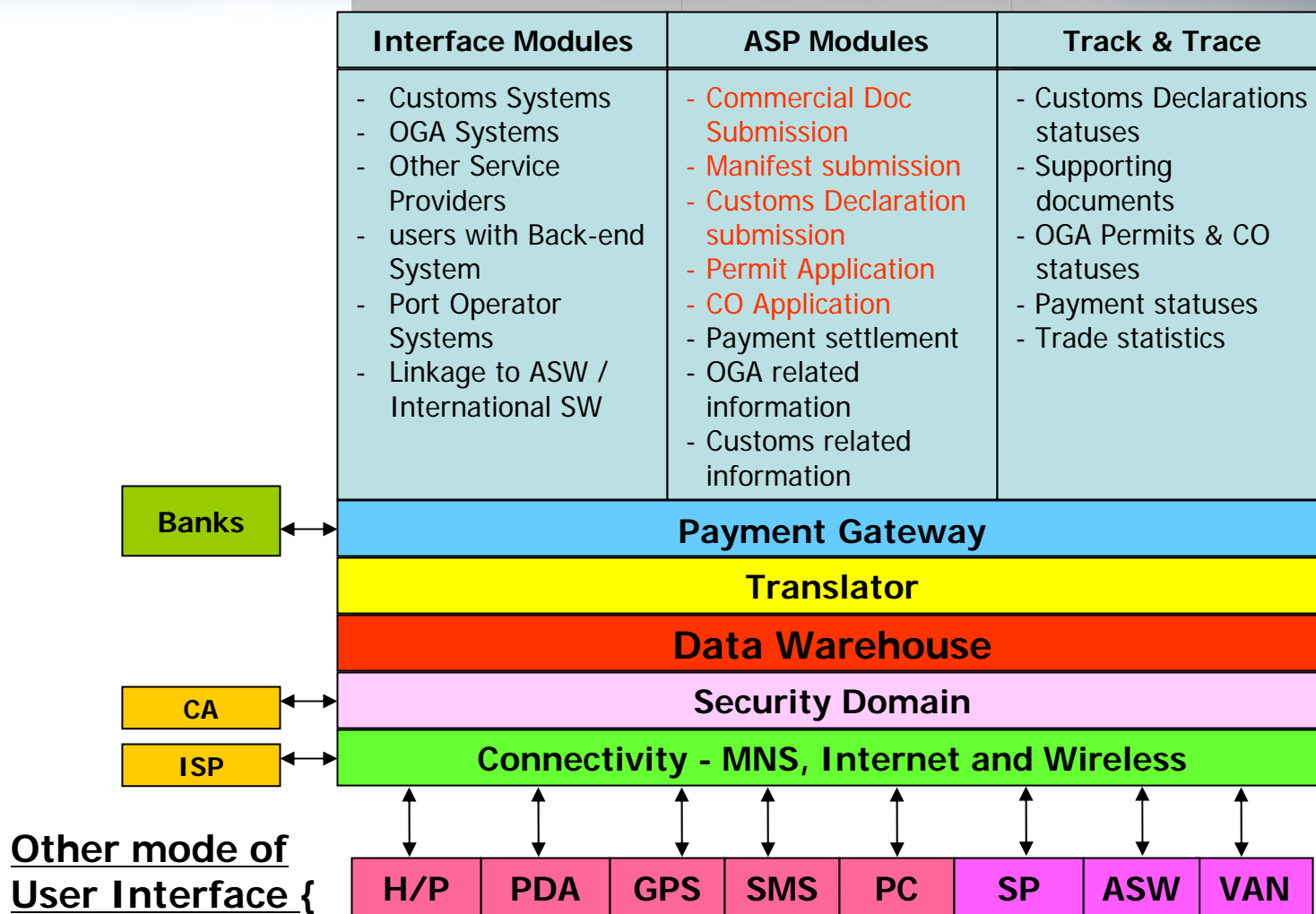
NSW ICT Environment



NSW Process Flow



NSW Architecture

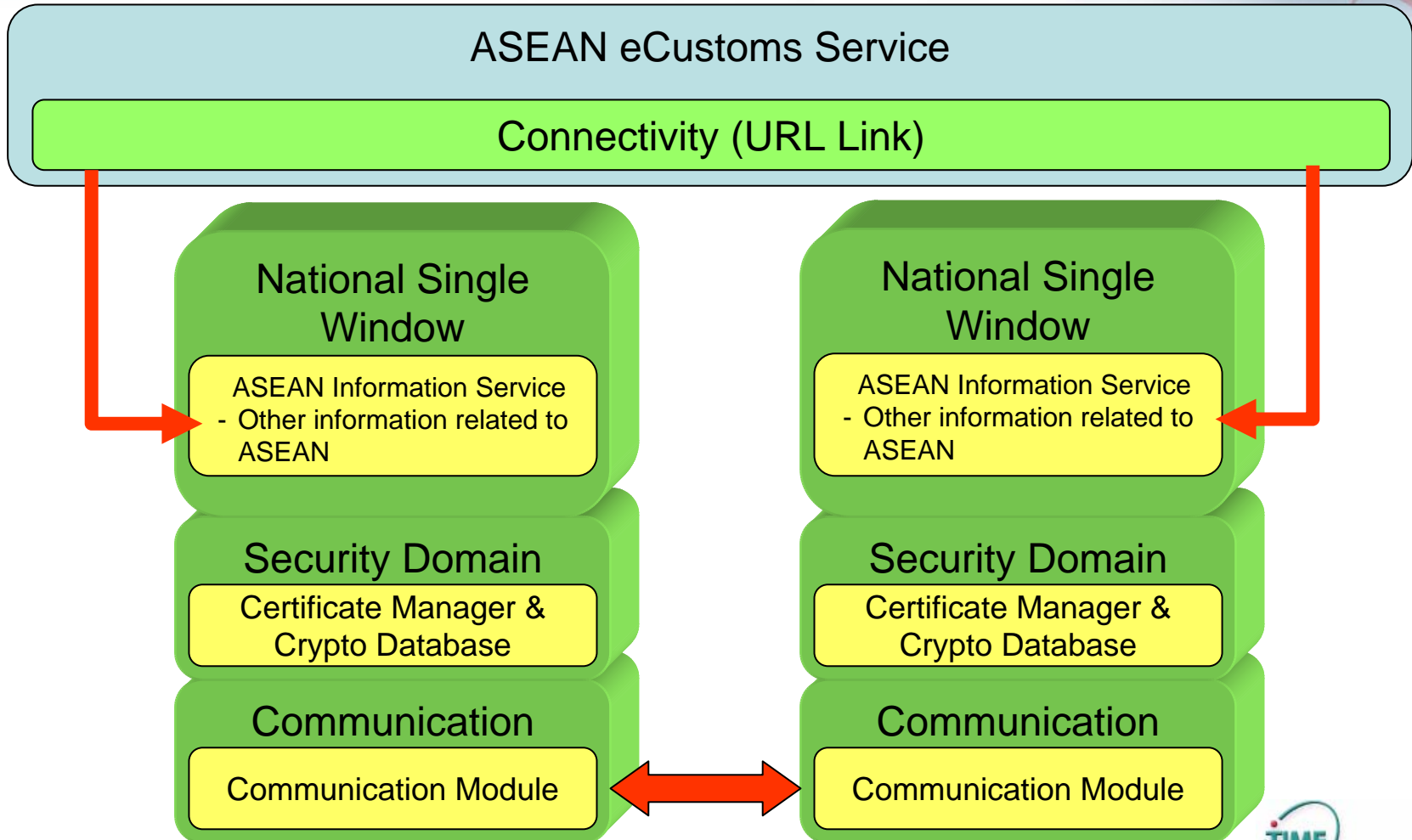




ASW Technical Environment



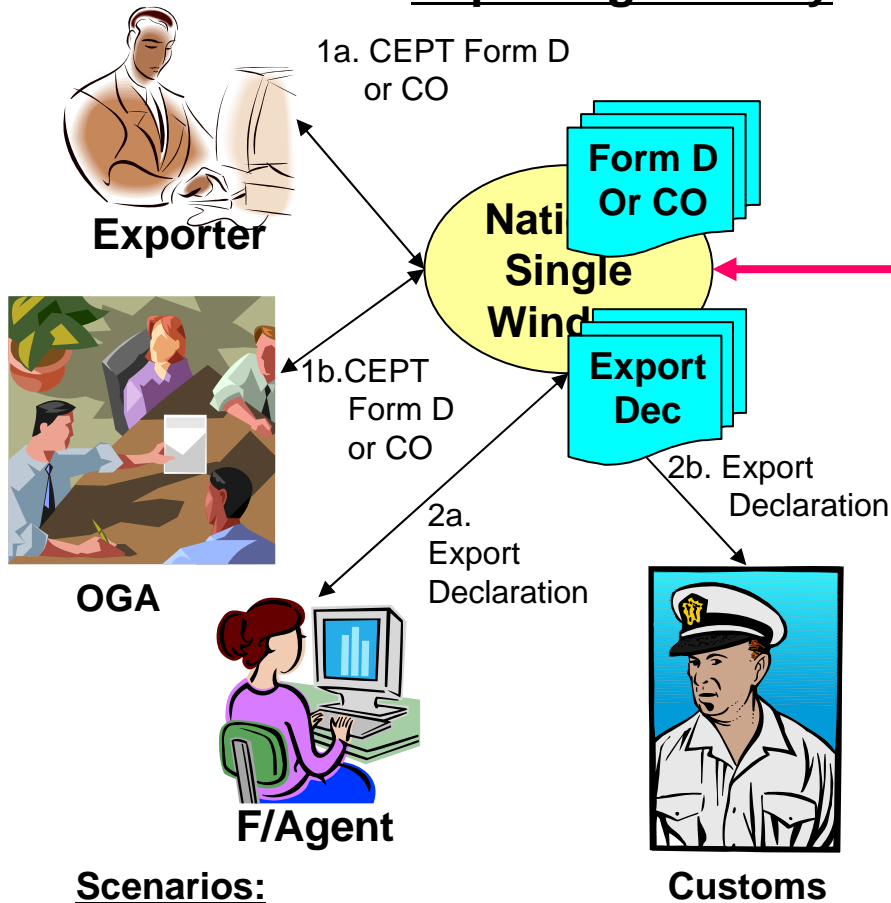
ASW Environment



Exclusive Link – Intra-ASEAN NSW

ASW Process Flow (G2G)

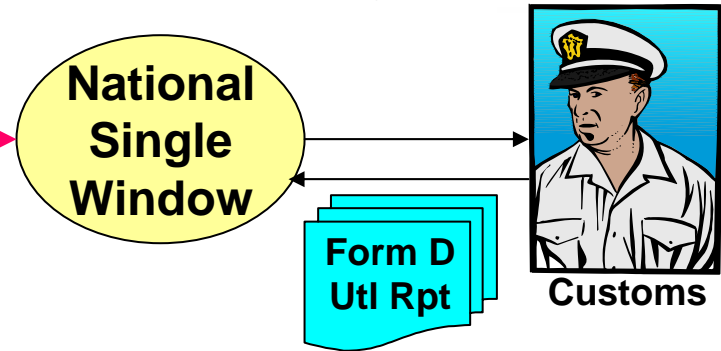
Exporting Country



Importing Country

Scenario 1:

Verification against Import Dec and its supporting doc



Scenario 2:

1. Pre-arrival clearance process
2. Verification against Import Dec

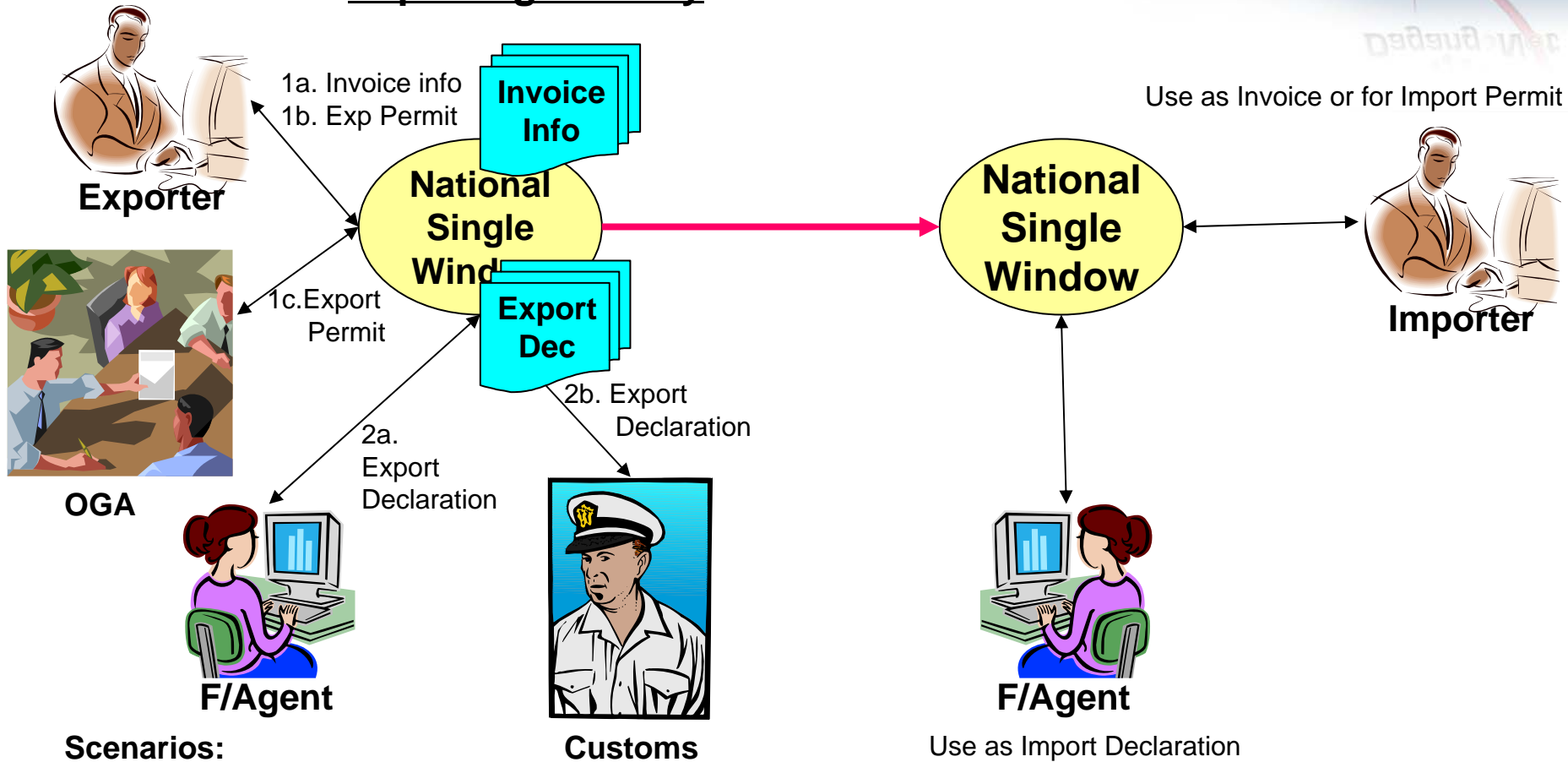
Scenarios:

1. CEPT Form D or CO Info (Exporting OGA to Importing Customs)
2. Exp Dec Info (Exporting Customs to Importing Customs)

ASW Process Flow (B2B)

Exporting Country

Importing Country



Scenarios:

1. Invoice Info (Exporter to Importer)
2. Exp Dec Info (Exporting FA to Importing FA)

ASW / NSW ICT Requirement



NSW Technical Requirement



- Data harmonization
 - Customs
 - Other Government Agencies
 - Commercial documents
- Business process re-engineering
 - Roles and responsibility of stakeholder
 - Trade Facilitation and Supply Chain business requirement
 - Aligning / re-engineering of business processes or flow
- Standards
 - A recommended set of NSW & ASW standards
 - Communication protocols
 - Messaging
 - PKI
 - Code lists



NSW Technical Requirement...cont



- Robust infrastructure
 - Message translator
 - Capability to transform message from any to any format
 - Vast range of communication channels
 - Ability to support wide range of communication protocols
 - Business Process flow engine
 - Ability to respond promptly to new requirements and change in ASW / NSW processes e.g. Revised Kyoto conventions
 - Security domain
 - Capability to ensure network security – pre-emptive and preventive
 - Messaging security – digital certificate – data encryption at server, message header, or/and data level



NSW Technical Requirement...cont



- **Payment gateway**
 - Interfaces to banking services to facilitate the financial settlement
- **Data warehouses**
 - Capacity to store large volume data for services such as Track & Trace, statistical report or customer support



Malaysia's Scenario



Dagang Net Group of Companies



The Suggested NSW Environment



- **Single Submission**
- **Single and Synchronous Processing of Data**
- **Single Decision**





Reality Check



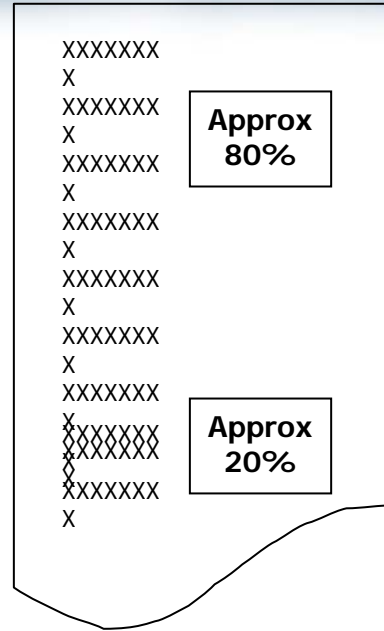
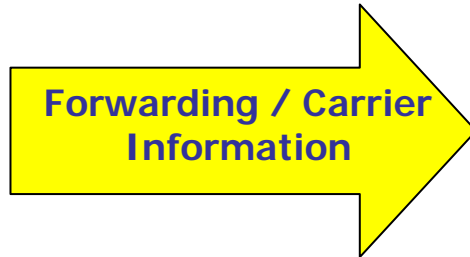
Case Study



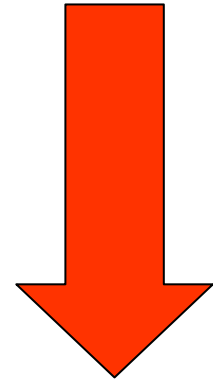
Importer /
Exporter



Forwarding
Agent / Carrier



100% CUSDEC
Information



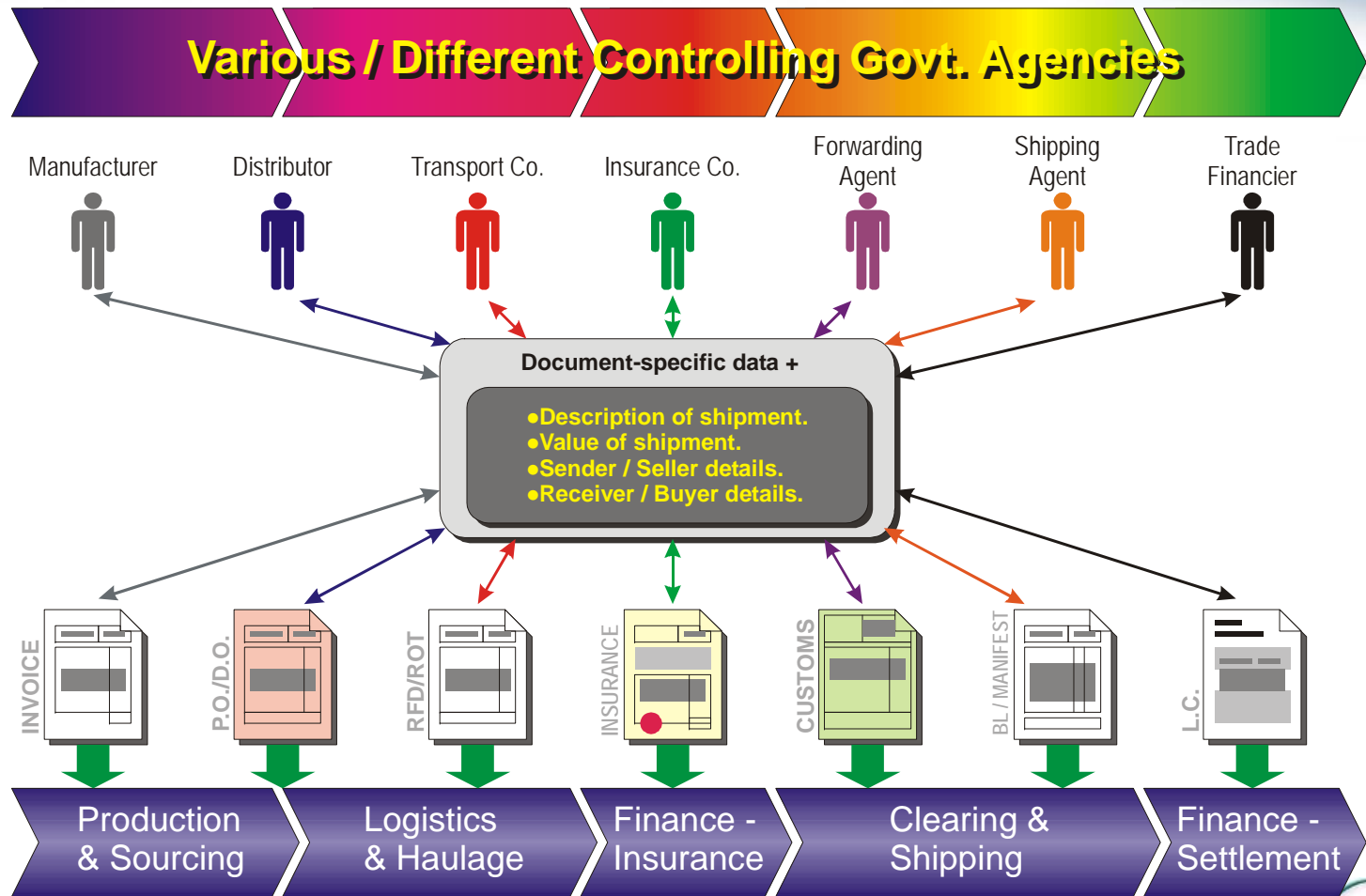
No one party can produce
complete CUSDEC Information



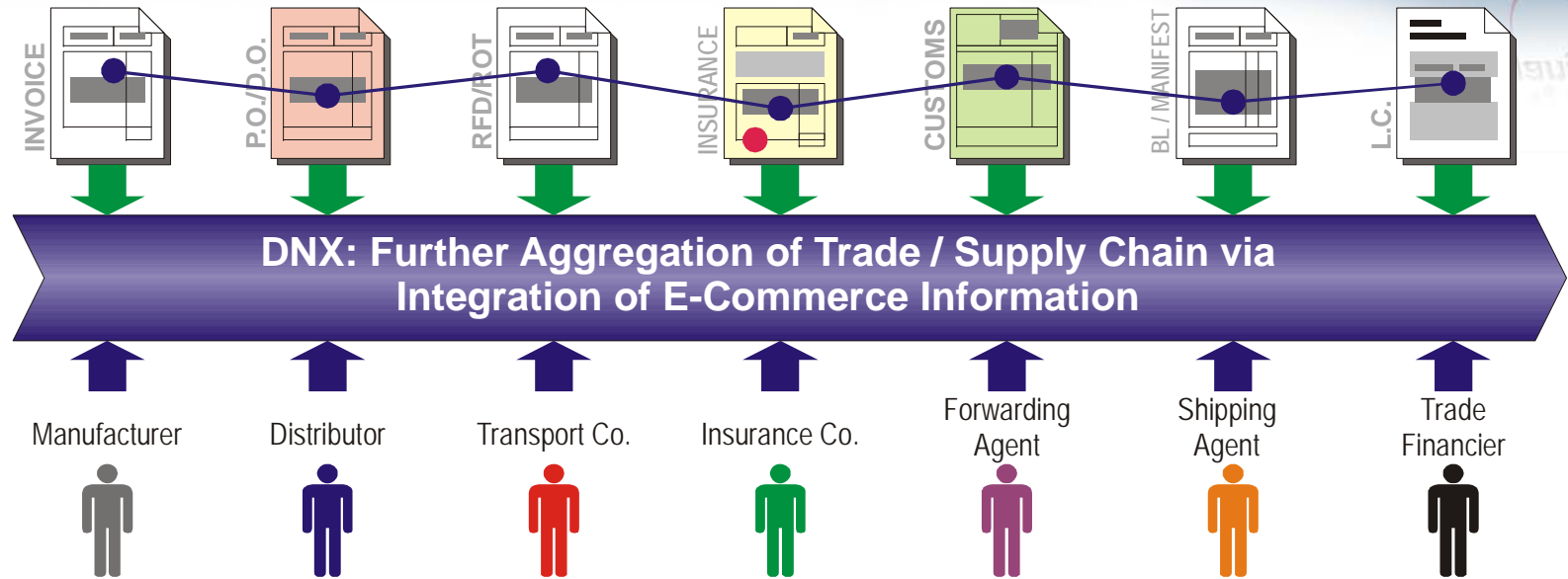
Complexity of Procedures



Lateral Data Flow Across Traditional Vertical Industry Cultures / Common Data Flowing Through A Segmented (Disjointed) Value Chain



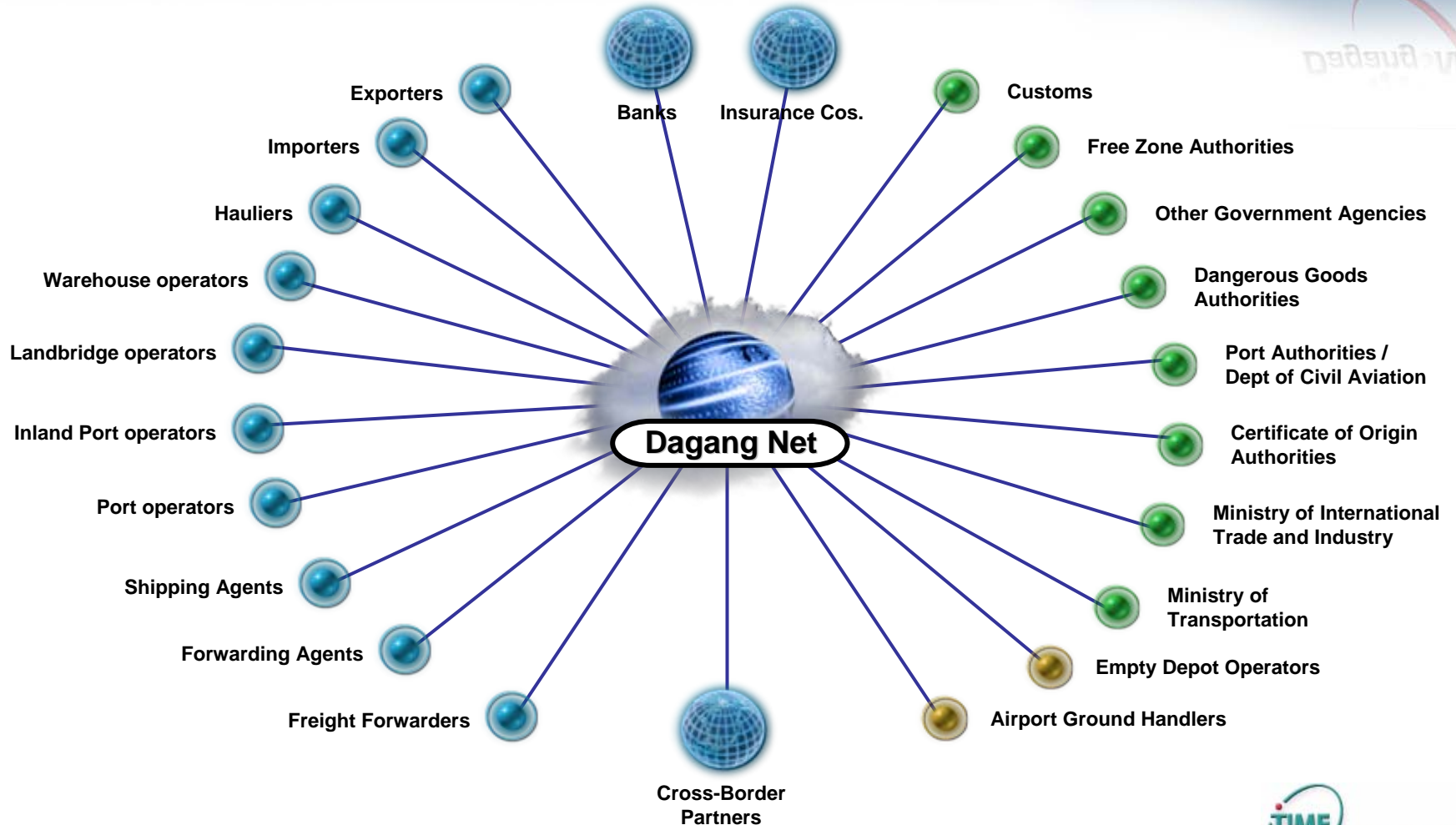
Dagang Net Exchange's role in Trade / Supply Chain Aggregation



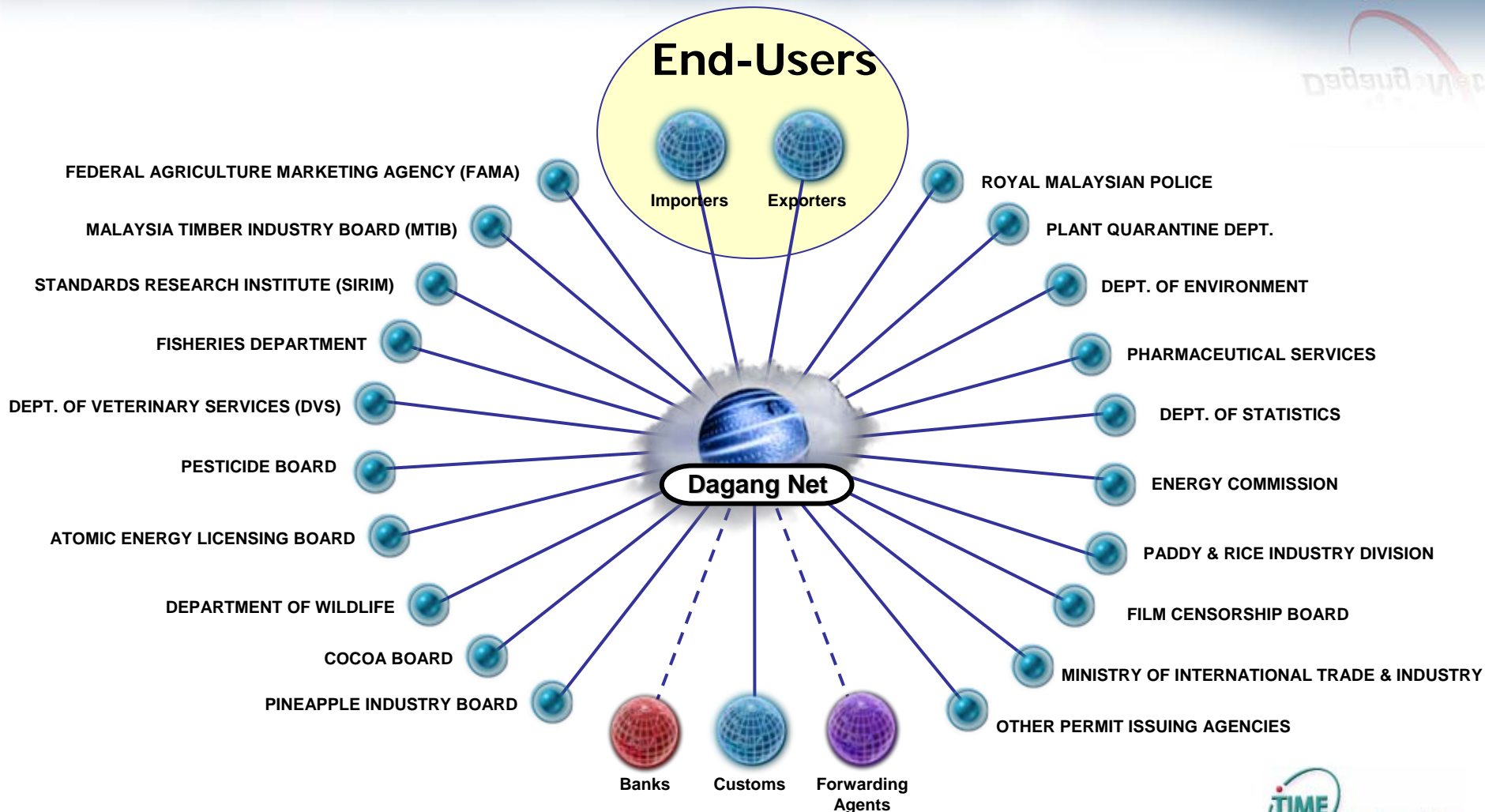
- Extended Data Re-use
- Accuracy
- Efficiency
- Speed
- Single point-of-reference
- Cost Savings



Single Connectivity, Multiple Access



ePermit's Web of "Single Window"

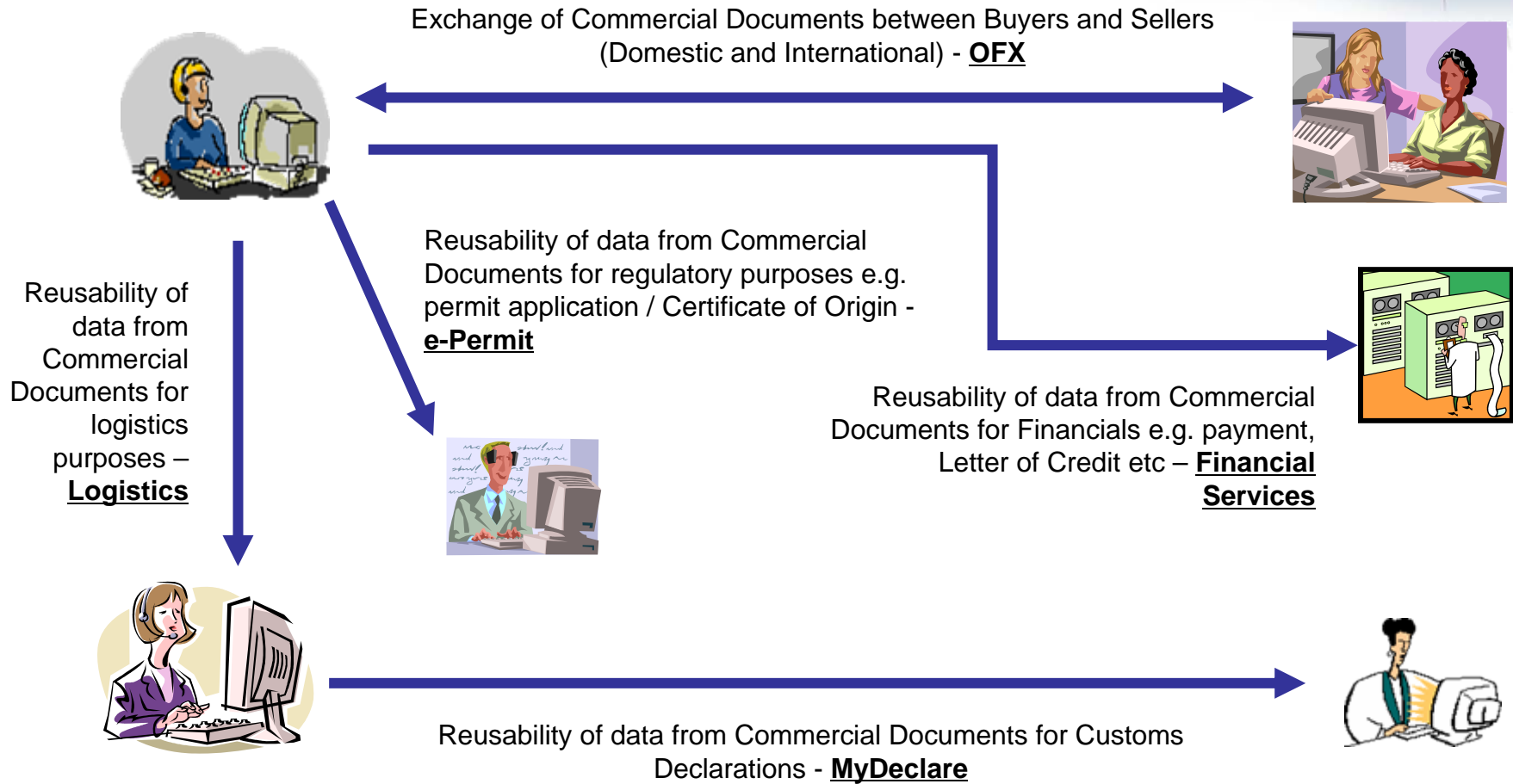




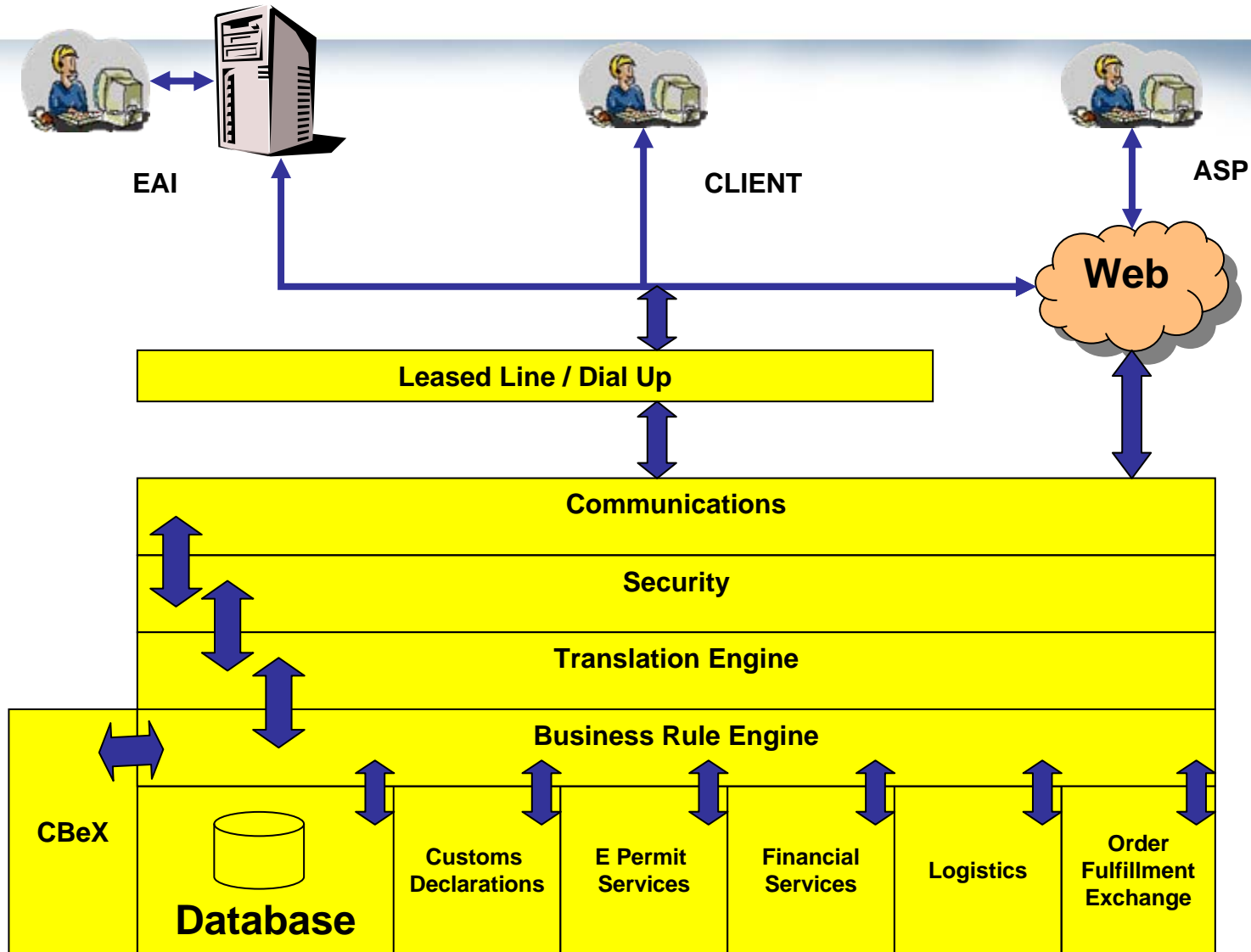
Holistic Approach



Capturing the Source Information...going UpStream



Eco-Environment



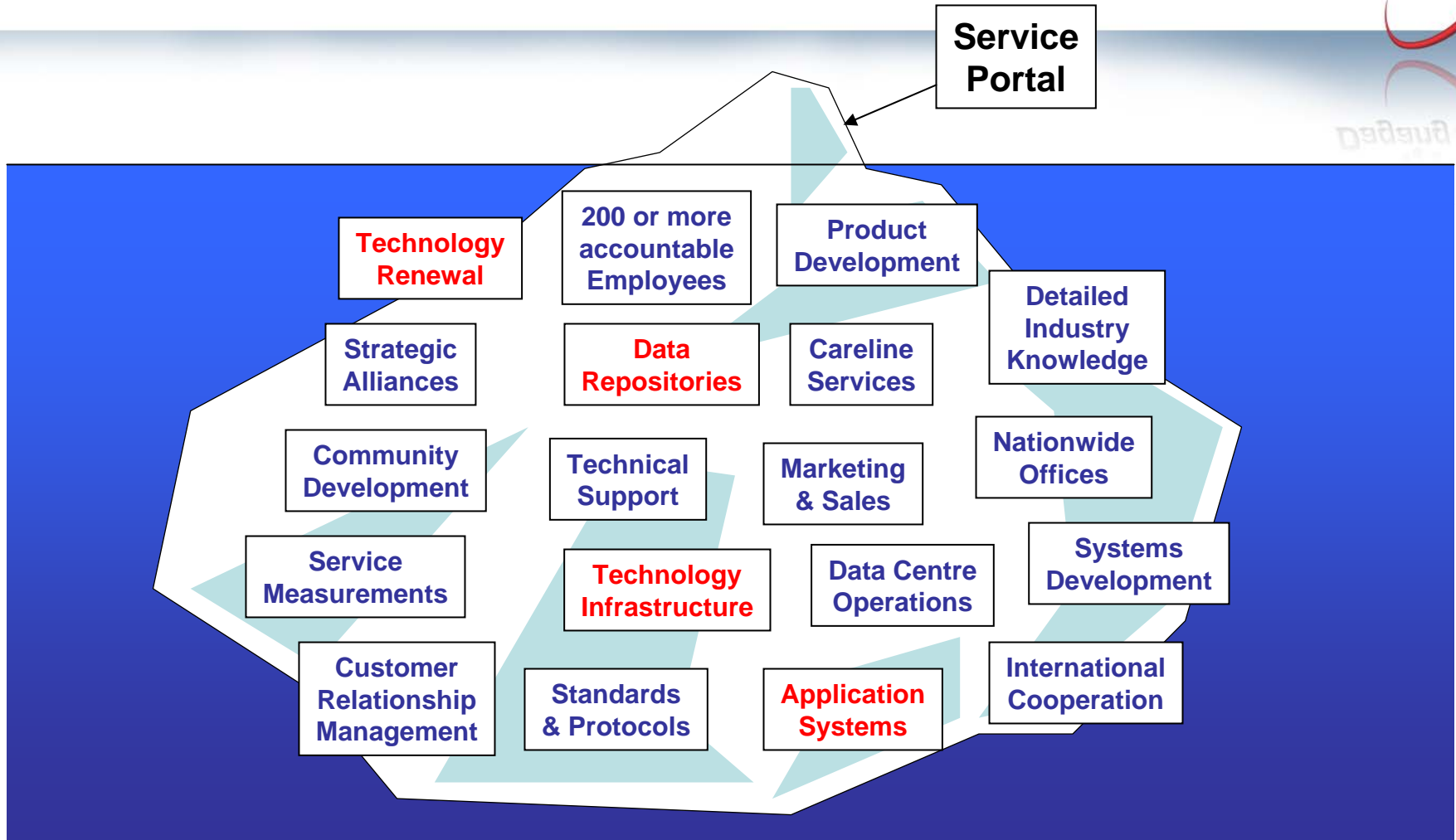
Dagang Net's Support Infrastructure



Knowledge and Expertise



What It Takes...



Single Submission – Multiple Usage

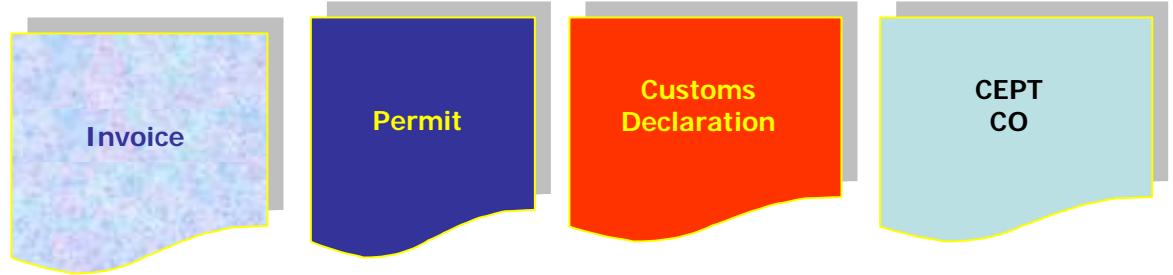


ASEAN Single Window – National Single Window



The Flow of Information

Seller



Dagang Net

Dagang Net				
Order Fulfillment Exchange	e Permit / e CO Services	Customs Declaration Services	ASEAN Single Window	Cross Border Extension



Buyer



OGA



Customs

Overseas



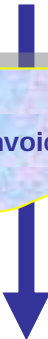
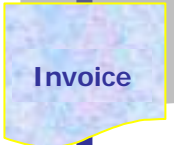
Buyer



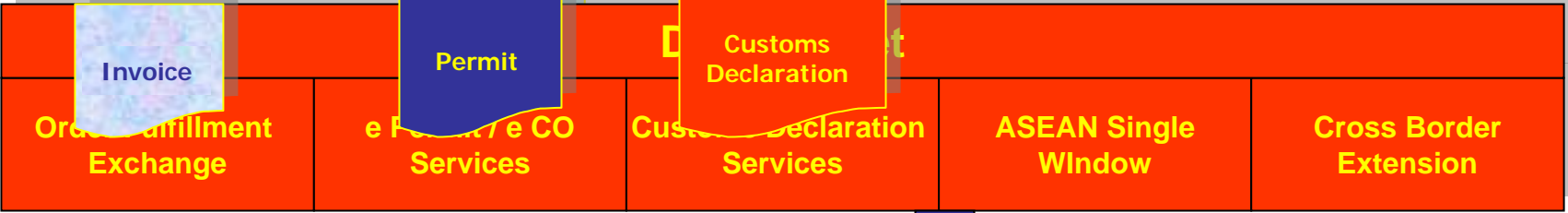
The Flow of Information



Seller



CEPT
CO



Invoice

Permit

Customs Declaration

Order fulfillment Exchange

e Permit / e CO Services

Customs Declaration Services

ASEAN Single Window

Cross Border Extension



Buyer



OGA



Customs

Overseas



Buyer



The Flow of Information

Seller



CEPT
CO

Dagang Net

Order Fulfillment Exchange	e Permit / e CO Services	Customs Declaration Services	ASEAN Single Window	Cross Border Extension
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OGA

Overseas



The Flow of Information

Seller



CEPT
CO

Dagang Net

Order Fulfillment Exchange	e Permit / e CO Services	Customs Declaration Services	ASEAN Single Window	Cross Border Extension
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Overseas



Buyer



Thank You



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