UNNExT
United Nations Network of Experts for Paperless Trade in Asia and the Pacific

UtradeHub

Connecting your business and the world

UNNExT Capacity Building Workshop
for
Tajikistan Single Window Implementation

KTNET: National Paperless Trade Infrastructure of Korea

18. Nov.2012

Rama S. H. HA

Korea Trade Network

Contents

1. About KTNET
2. e-Trade development
3. Paperless Trade Services
4. Recommendations

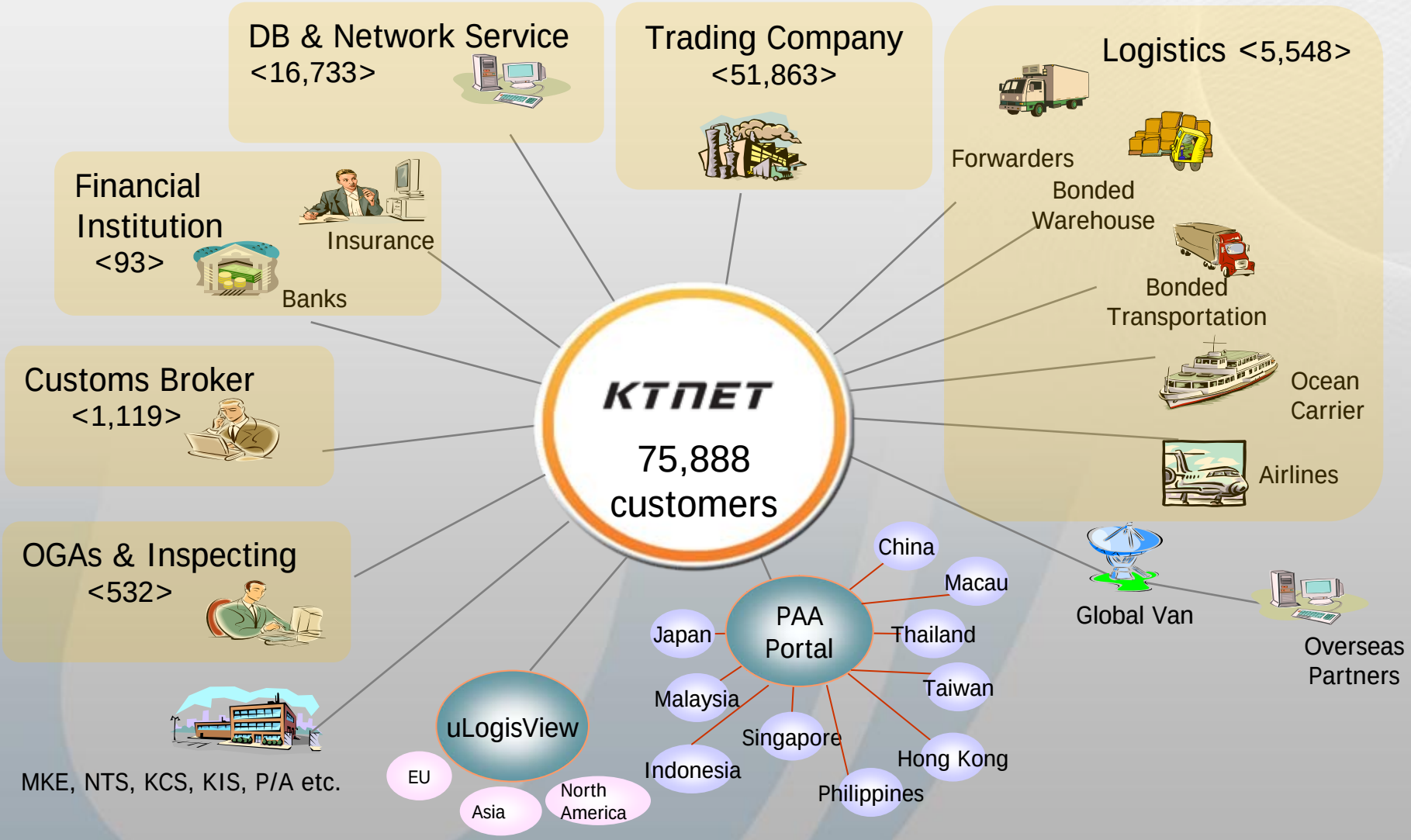
1. About KTNET

About KTNET

Establishment	■ Established in December 1991 by the Law, “Trade Automation Act”
Milestone	■ 1994 : Designated as e-Trade Service Provider by MKE(Ministry of Knoledge Economy) and as e-Customs Service Provider by KCS(Korea Customs Service) ■ 2002 : Designated as National Certificate Authority by MKE ■ 2006 : Designated as National Single Window by MKE ■ 2008 : Designated as Certified e-Data Authority by MKE ■ 2008 : Designated as e-B/L Registration Authority by MOJ(Ministry of Justice)
Revenue[’11]	USD 63 million
Shareholder	KITA (Korea International Trade Association) 100%
Transaction	ABT. 220 Million Transactions/ year
e-Docs	550 kinds of standard electronic documents
User Groups	More than 75,000 users : Trading Firms, Banks, Customs Brokers, Bonded Warehouses, Shipping companies, Airlines, Customs Service and other trade related authoritues

About KTNET

○ e-Trade Network of KTNET



Legal Status and Business Area

Legal Status

National Paperless Trade Infrastructure Provider
- Electronic Trade Facilitation Act

e-Customs Service Provider
- Customs Act

Electronic Bill of Lading(e-B/L) Title Registry
- Commercial Act

Certified e-Document Authority
- Framework Act on Electronic Commerce

Accredited Certificate Authority
- Digital Signature Act

Purchase Confirmation of raw material Export Goods Service Agency
- Foreign Trade Act

Infrastructure Service

- Data Exchange Hub
- Certified e-Document Authority
- Certificate Authority
- e-B/L Title Registry
- DB service

Business Area

Paperless Trade Service
- Trade (B2B & B2G)
- Certificate & Licensing
- Logistics/ Customs
- Trade Finance & Banking

Consulting & SI
- Consulting for Paperless Trade
- Implementing Paperless Trade System
- Knowledge Transfer

Cross-Border Transaction Service
- PAA : Korea-Pan Asian Countries
- ASEAL : Asian-European countries
- Global Cargo Visibility Service
- e-C/O cross border transaction

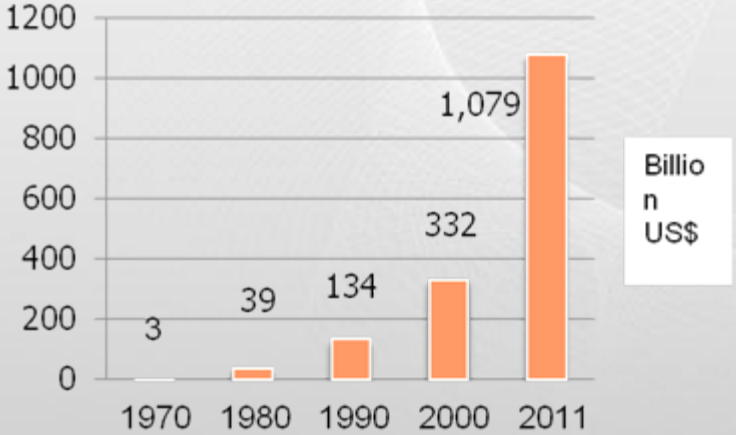
Innovations
- Mobile Application
- WiFi Base LBS (Location based Service)

2. e-Trade Development

e-Trade Development of Korea

Background

- Rapid growth of trade volume during 1970s' ~ 1990s'
  - **13% per year**
  - **From $1bil of 1974 to $129.8bil of 1990**



- Challenge of Business
  - **Limited Resources**
  - **Exploding export & Import documents to be processed**

- Bottleneck in Business community
  - **19 ~ 28 days needed for clearance**
  - **Threat to maintaining competitiveness**

e-Trade Development of Korea

Initiatives

Initiative of MKE (Ministry of Knowledge Economy)

- ‘Comprehensive Trade Automation Plan by MKE in 1989
- ‘Act on Promotion of Trade Automation by MKE in Dec. 1991

* To improve national competitiveness by reducing trade processing time and cost through trade automation

- Scope of the Law

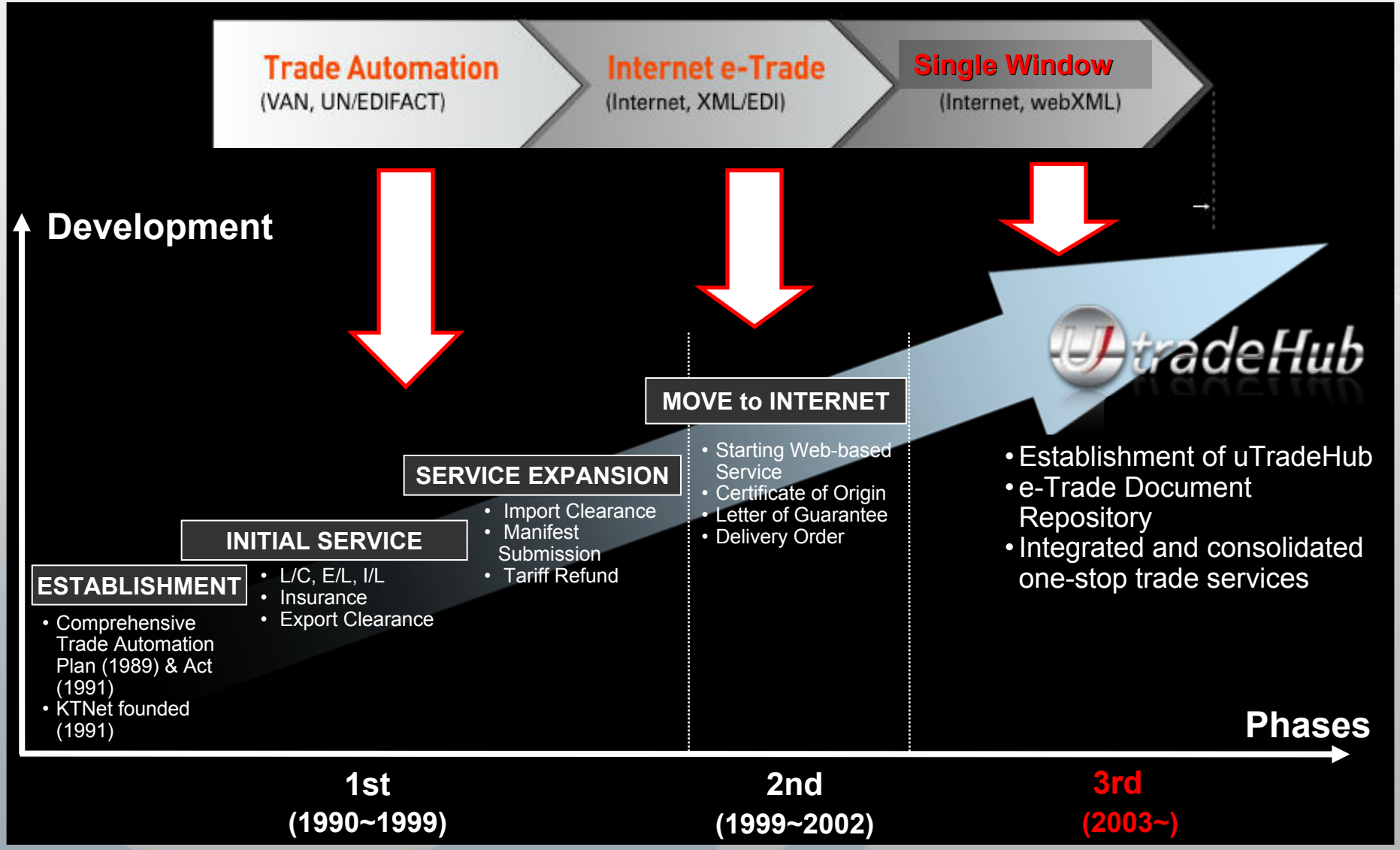
* Trade Administration, Foreign Exchange

Initiative of KCS (Korea Customs Service)

- KTNET is designated as Customs Network Provider by Korea Customs Services (KCS, Nov. 1992)
- Scope of Customs Automation

* Customs Clearance, Cargo Management, Duty draw back

e-Trade Development of Korea

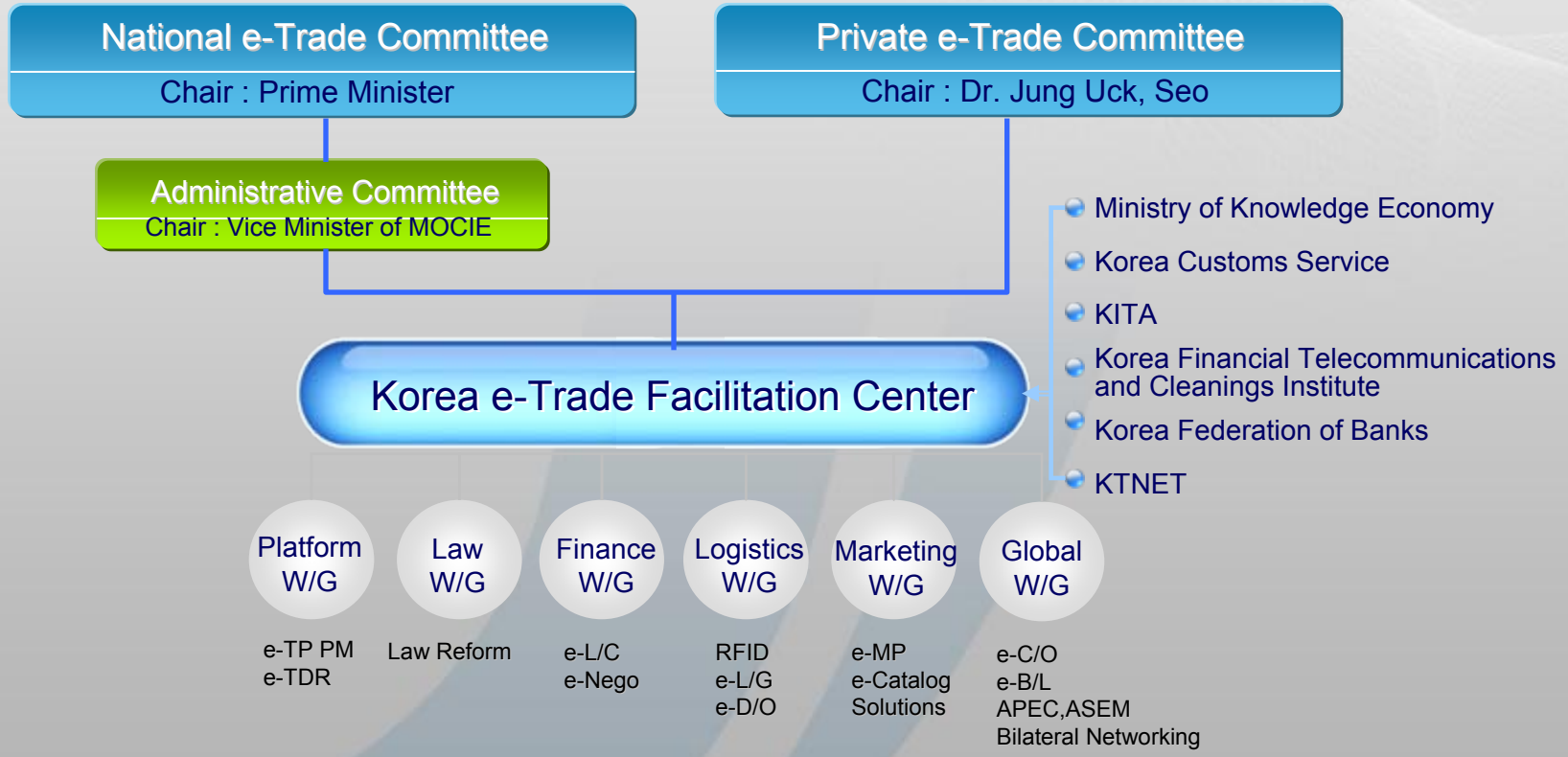


e-Trade Development of Korea

Conventional Trade		e-Trade
Traveling	Information	Search Engine, B2B Marketplace
Catalogue, Media Marketing, Exhibition	Marketing	Homepage, B2B Marketplace, Cyber Convention
Tel·Fax, Mail, Traveling	Nego, Contract	Internet conference, e-mail
Paper Document	Customs	Trade Automation
Paper Document	Logistics	
Paper Document	Payment, Negotiation	
Competitiveness by Quality and Price		Competitiveness by Marketing and Process

e-Trade Development of Korea

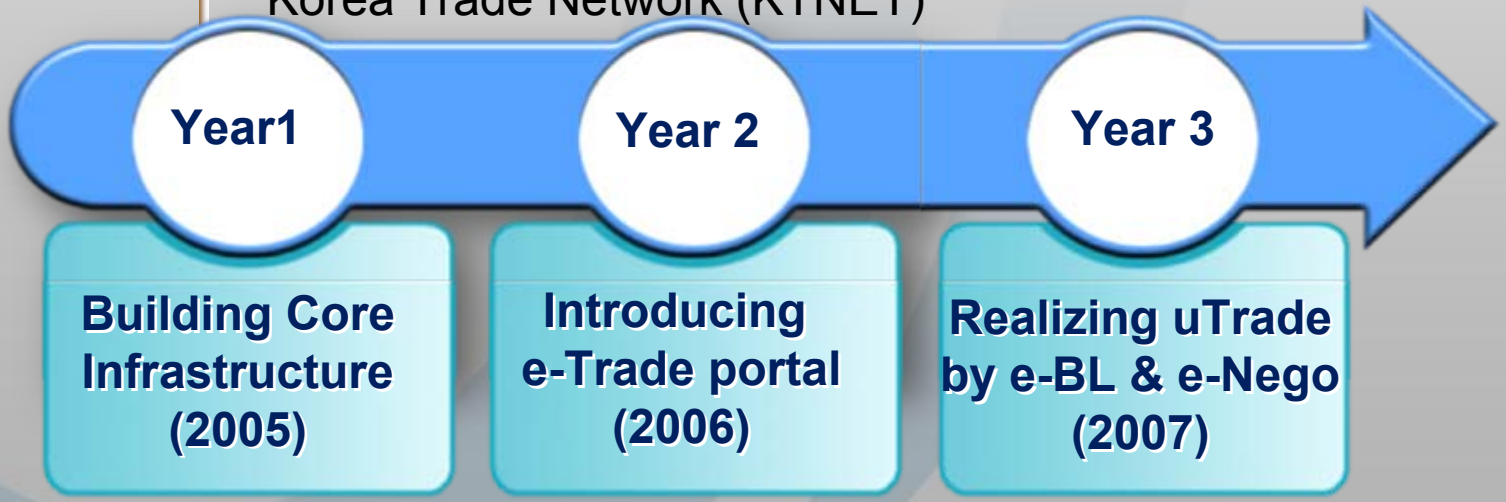
- **National e-Trade Committee**
  - National e-Trade Committee was established in 2003
  - Private e-Trade Committee was established in 2005
  - Korea e-Trade Facilitation Center to implement 33 tasks from '**e-Trade Korea 2007 Plan**'



e-Trade Development of Korea

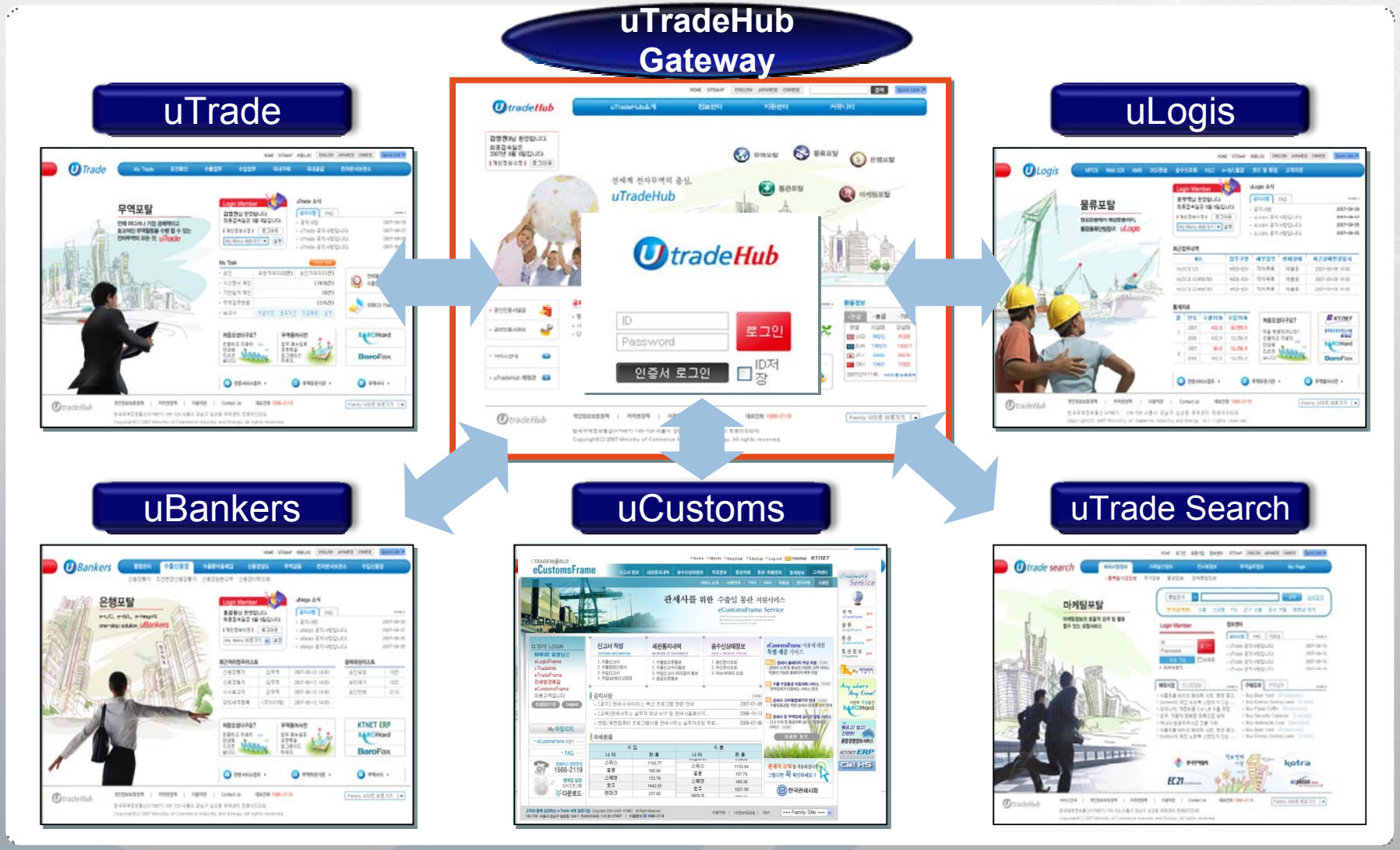
uTradeHub Project

Goal	To cope with Korea's growing trade volume by upgrading the Electronic trading system into a single window system
Project Period	2005 ~ 2008
Project Cost	About 30 million (USD)
Leading Agencies	Ministry of Knowledge Economy (MKE) Korea International Trade Association (KITA) Korea Trade Network (KTNET)



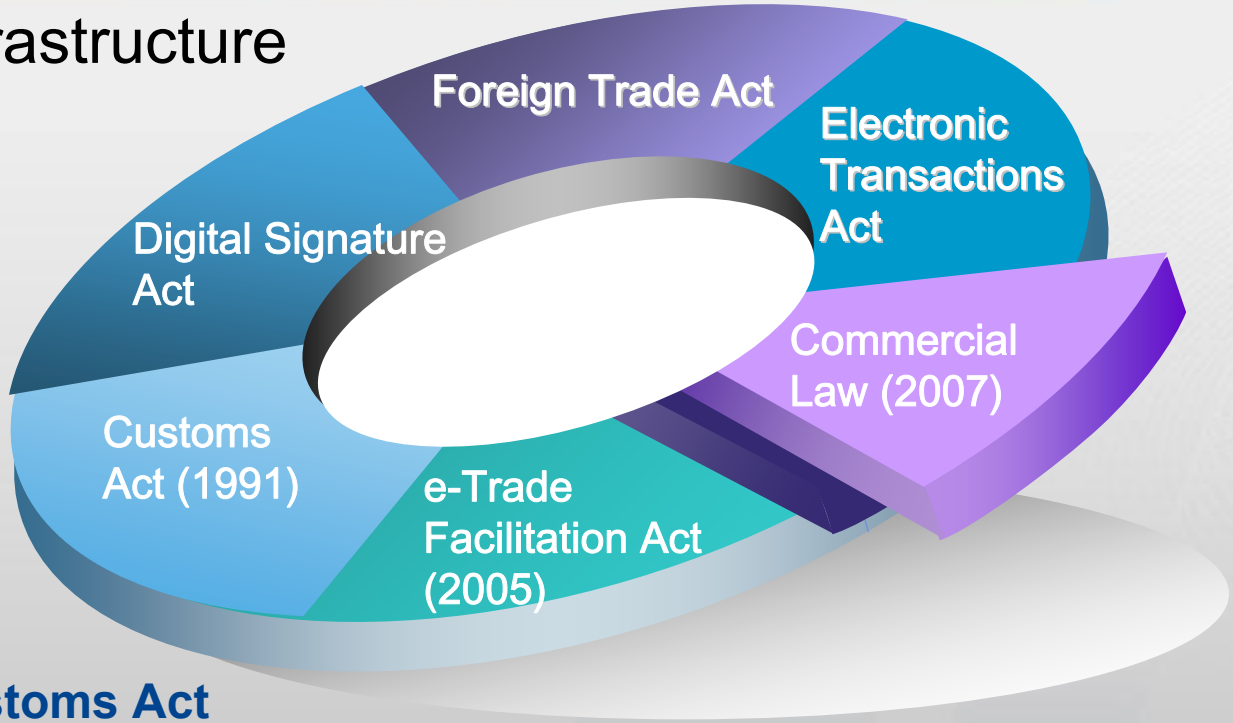
e-Trade Development of Korea

uTradeHub Portal



e-Trade Development of Korea

Legal Infrastructure



- **Customs Act**
- **Enacted Trade Automation Act(1991) and revised the Act into 'e-Trade Facilitation Act (2005)**
  - Established legal basis for circulation of e-Trade documents
  - Defined role of 'e-Trade Infrastructure Operator
- **Revised 'Electronic Transaction Act (2006)**
- **Revised Commercial Law (2007)**
  - Introduced electronic bill of lading and specified the operating rules including title registry

e-Trade Development of Korea

Legal Infrastructure – 8 trade documents

- Obligation of using 8 trade related documents through Paperless Trade Infrastructure

- Article 12 of Electronic Trade Facilitation Act defines that a trader or trade related agency seeking to carry out below 8 kinds of trade business affairs by means of electronic trade documents shall carry out those affairs only via Paperless Trade Infrastructure;

1. Notifying letters of credit
2. Issuing letters of guarantee
3. Opening local letters of credit
4. Issuing written requirement confirmations
5. Issuing written purchase confirmations
6. Issuing certificates of origin
7. Issuing marine cargo insurance policies
8. Issuing written cargo delivery instructions

* Above 8 trade-related documents were selected as they are the most widely used and repeatedly submitted to many trade-related agencies.

e-Trade Development of Korea

Legal Infrastructure – 8 trade documents

- This Obligation of using Paperless Trade Infrastructure about 8 trade-related documents is only valid when seeking to carry out trade business affairs by means of electronic documents. So it is possible to carry out that trade business affairs by means of paper trade documents, and that became an obstacle to facilitation of Paperless Trade.

- Recognizing these problems, Amendments of laws which provides legal basis of trade-related documents including above 8 documents are underway

- Article 37(2) of "Foreign Trade Administration Regulation" amended in January 2011 defines that "purchase confirmations on raw materials for export goods"("Purchase Confirmation") among above 8 documents shall be applied and issued only in the form of electronic documents.
- Local letters of credit(back-to-back L/C) shall also be opened only in the form of electronic documents from February 2013 as related regulations of Bank of Korea were amended(February 2012).

e-Trade Development of Korea

Legal Infrastructure – 8 trade documents

- So, the two documents will be completely gathered and distributed through Paperless Trade Infrastructure.
- Amendment for electronic Advice of letters of credit is being prepared.

- Paperless Trade Infrastructure Operator as single window is becoming an issuing authority of trade-related documents

- With amending of "Enforcement Decree of the Foreign Trade Act" in November 2008, Paperless Trade Infrastructure Operator became an issuing authority of Purchase Confirmations beyond intermediary role between traders and trade-related agencies.
- It was possible because most trade-related data is centralized into Paperless Trade Infrastructure as single window.

e-Trade Development of Korea

■ **Designated Infrastructure Service Provider for paperless trade**

(Legal Support for 6 Business areas by the government)

- Pursuing efficiency of trade process & national competitiveness

- National Paperless Trade Infrastructure Provider (Electronic Trade Facilitation Act
- e-Customs Service Provider (Customs Act)
- Electronic Bill of Lading (e-B/L) Title Registry (Commercial Act)
- Purchase Confirmation of raw materials for Export Goods Service Agency (Foreign Trade Act)

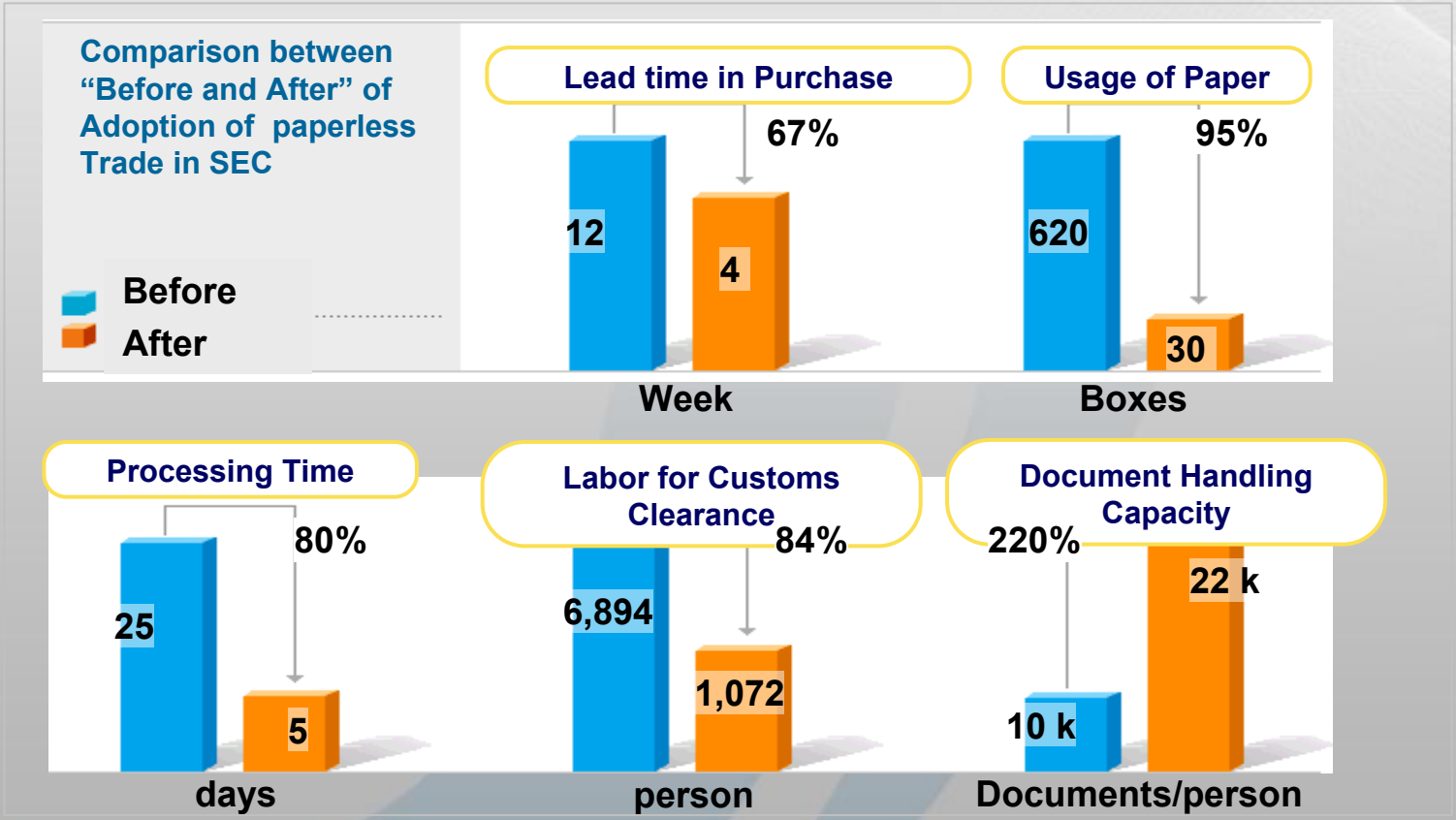
- Customer-Oriented Convergence Services

- Certified e-Document Authority (Framework Act on Electronic Commerce)
- FTA C/O Service (FTA Korea)
- Accredited National Certificate Authority (Digital Signature Act)
- Wi-Fi indoor RTLS and LBS
- B2B Cloud Service

e-Trade Development of Korea

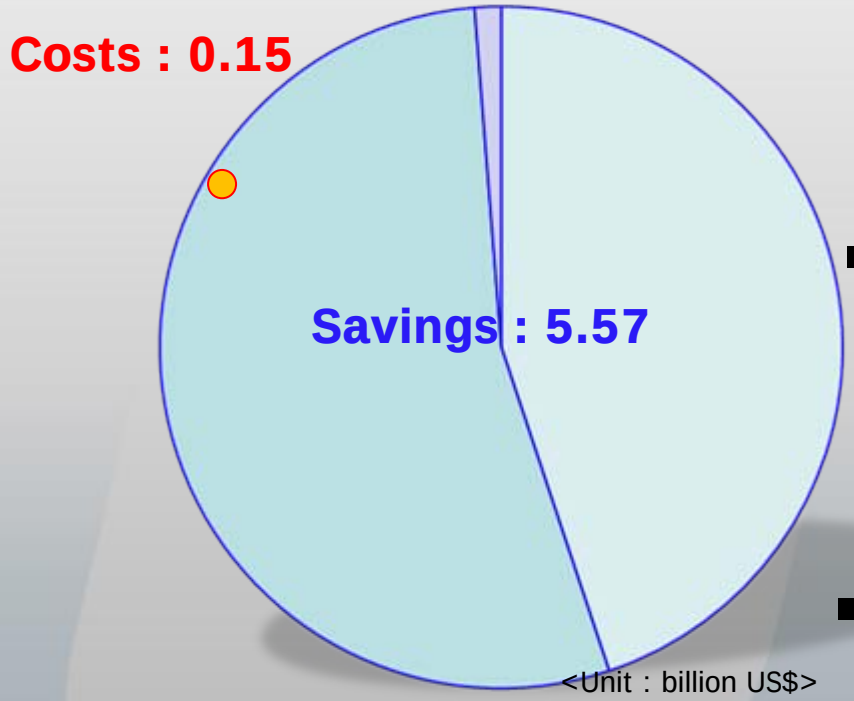
How much resources Samsung Electronics saved?

- SEC has reduced 67% of lead time, 80% of processing time, 84% of labor and 95% of papers in overseas purchase.



e-Trade Development of Korea

< Total Economic Effects in Korea >



■ **Savings : US$ 5.57 billion**

- Direct Cost (2.5 billion) : Labor, Printing, Delivery
- Incidental Expense (3.0 billion) : Cargo, Clearance Terminal (Storage) Expenses, Tariff Refund
- Other Cost (0.07 billion) : Document management

■ **Costs : US$ 0.15 billion**

- Paperless Trade Service Fee (0.03 billion)
- System (0.12 billion) : Construction & Maintenance of H/W & S/W
- Public Sector (5 million) : Initial investment

■ **Net Effects : US$ 5.42 billion**

* Reference
1. Trade Focus Vol.6, No.64, Institute for International Trade, KITA, Dec. 2010
2. Hyundai Research Institute, Feb. 2006

3. Paperless Trade Services

B2B Service/Trade Financing/ Certification & Licensing

Main Service	Contents
Trade Financing service	Providing trade financing service between trading companies and banks
e-Negotiation Service	All transactions related to negotiation of export bill of exchange
e-Certification and licensing Service	Service for processing certification and licensing electronically for import/export goods that requires the permission from government agencies
Cargo Insurance Service	Service for issuing and viewing Cargo Insurance with non-life insurance firms and export insurance
e-T/B (eTradeBill) Service	Service for issuing and transfer Bills and Tax Invoices electronically

Logistics

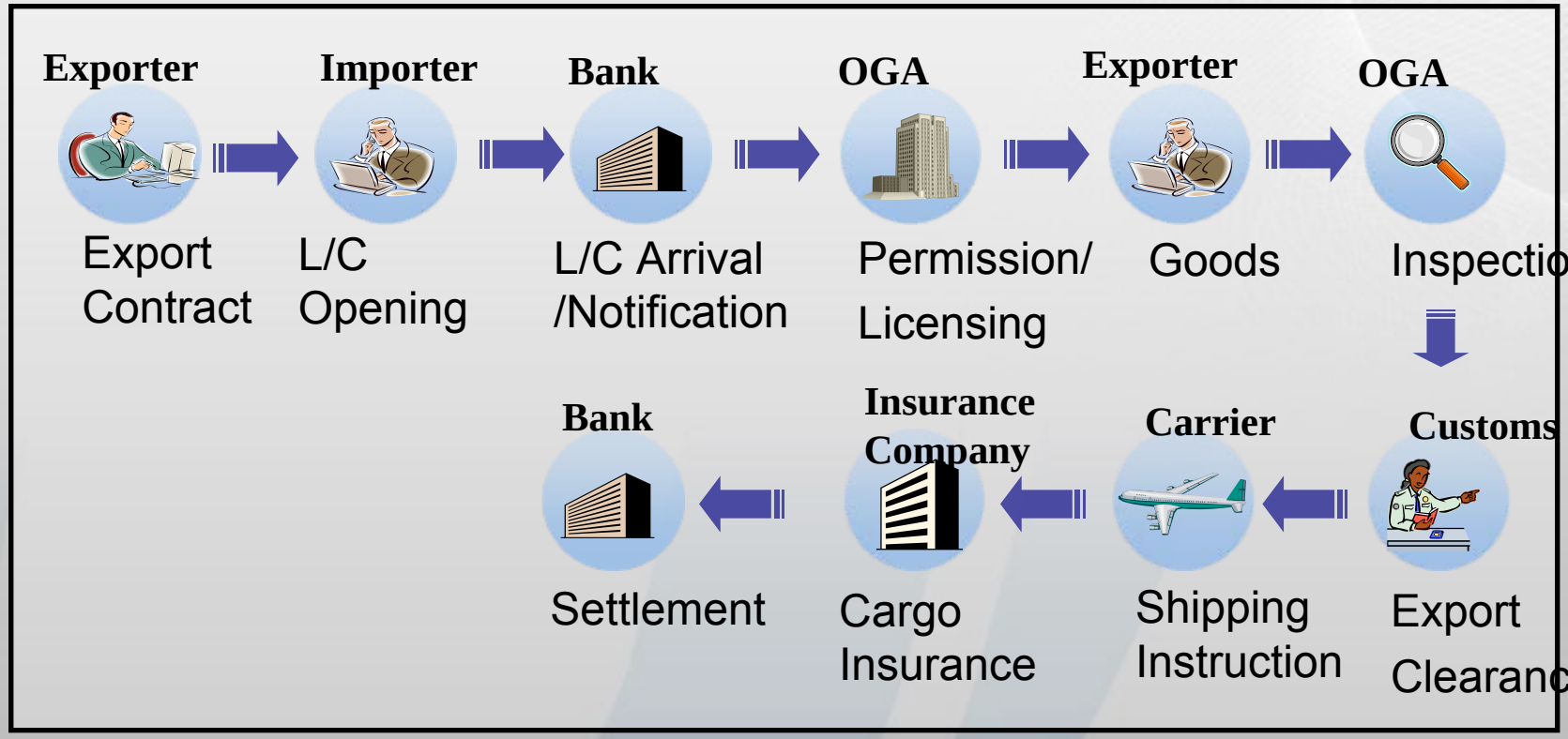
Main Service	Contents
e-Logistics Document Exchange Service	Converts various reports that occur in logistics area into various electronic document standards(EDIFACT, XML…) and relays to related public authorities and private entities
MFCS (Manifest Consolidation System)	Consolidating cargo manifests submitted by airlines, shipping companies and forwarders
e-B/L (electronic Bill of Lading)	Issuance and Legal Distribution of B/L's electronically
e-D/O (Delivery Order)	Issuance and delivery of "Delivery Order" in electronic way
AMS (Automated Manifest Service)	Cargo manifests to the countries (USA, China, etc.) that implement an advance cargo manifest report system
Airline Passenger Information Service	Providing Airline passenger information to various government agencies for securities and sanitation

Customs Clearance

Main Service	Contents
Customs Clearance-related Document Exchange Service	Exchanges e-documents that are related to customs clearance and administration by connecting customs brokers, trading companies to KCS System
Trade statistics service	Provision of diverse kinds of general and tailor-made statistics reports on a real-time basis

1. Export

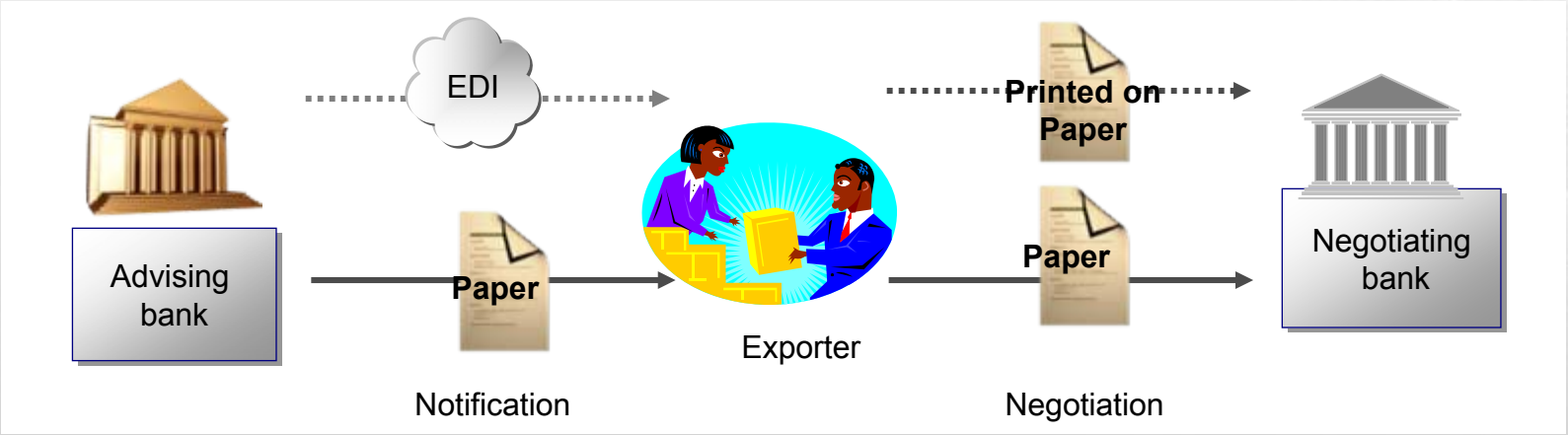
■ Export


Exporter
Export Contract
Importer
L/C Opening
Bank
L/C Arrival /Notification
OGA
Permission/ Licensing
Exporter
Goods
OGA
Inspection
Customs
Export Clearance
Carrier
Shipping Instruction
Insurance Company
Cargo Insurance
Bank
Settlement

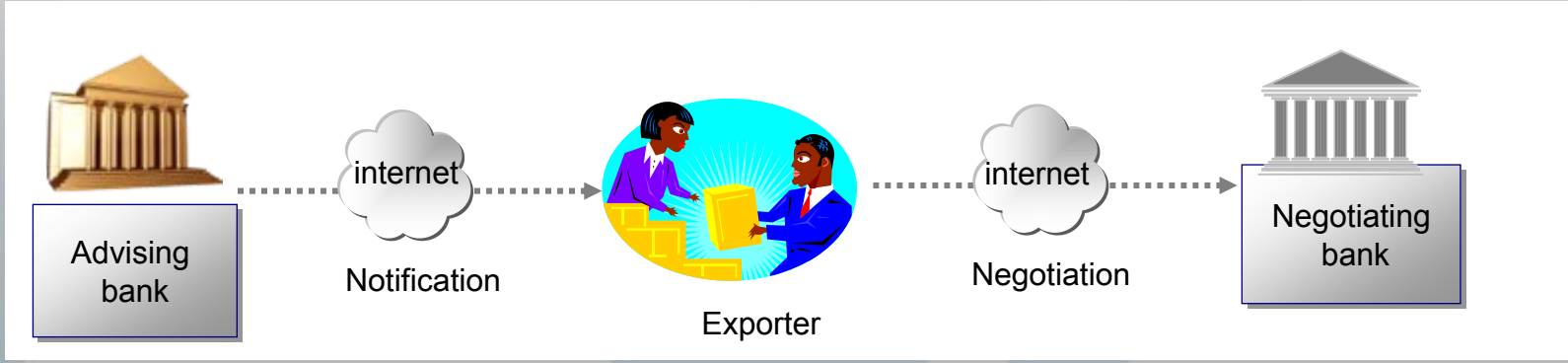
Featured Service : e-L/C

Trade Finance: e-L/C

- **EDI-L/C work process before e-L/C**



- **L/C work process after e-L/C**

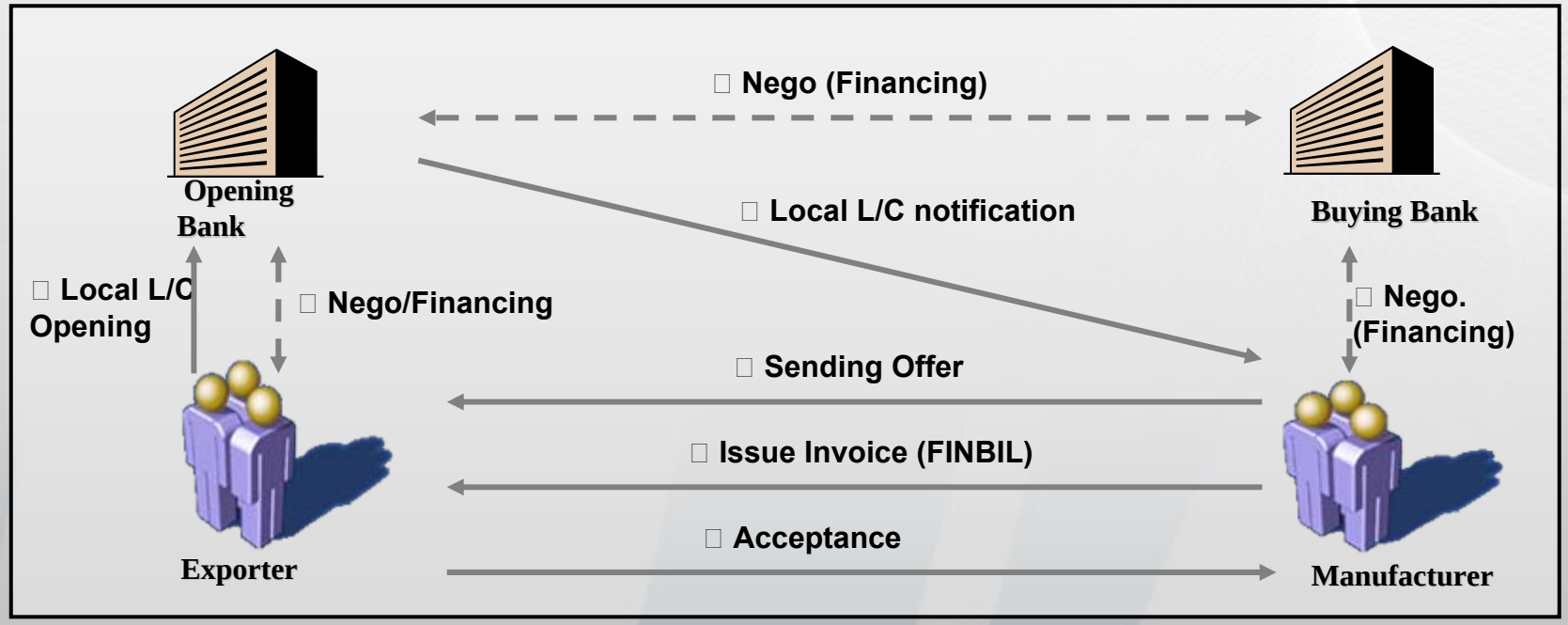


- e-L/C information saved in Trade Document Repository (TDR) and shared by banks
- All processes (notice, transfer & negotiation) are electronically handled and recorded
- As the negotiation result is shared by all banks, no risk of fraudulence or loss of L/Cs

Featured Service : Local L/C Opening

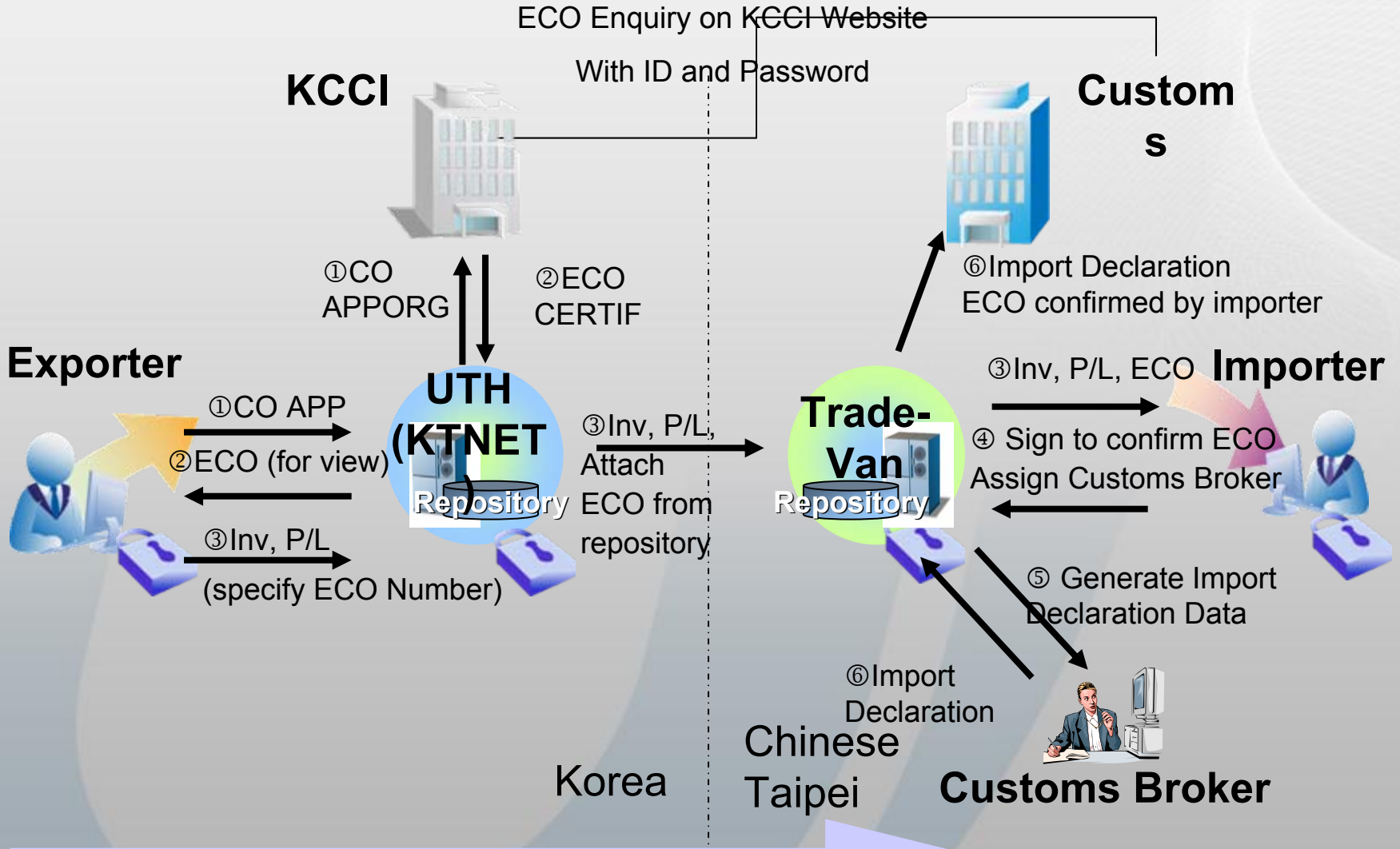
1. Local L/C Opening/Notification, Offer notification, FINBIL, etc..

2. Flow



Featured Service : e-C/O

E-CO Service [Korea ▶ Chienese Taipei]



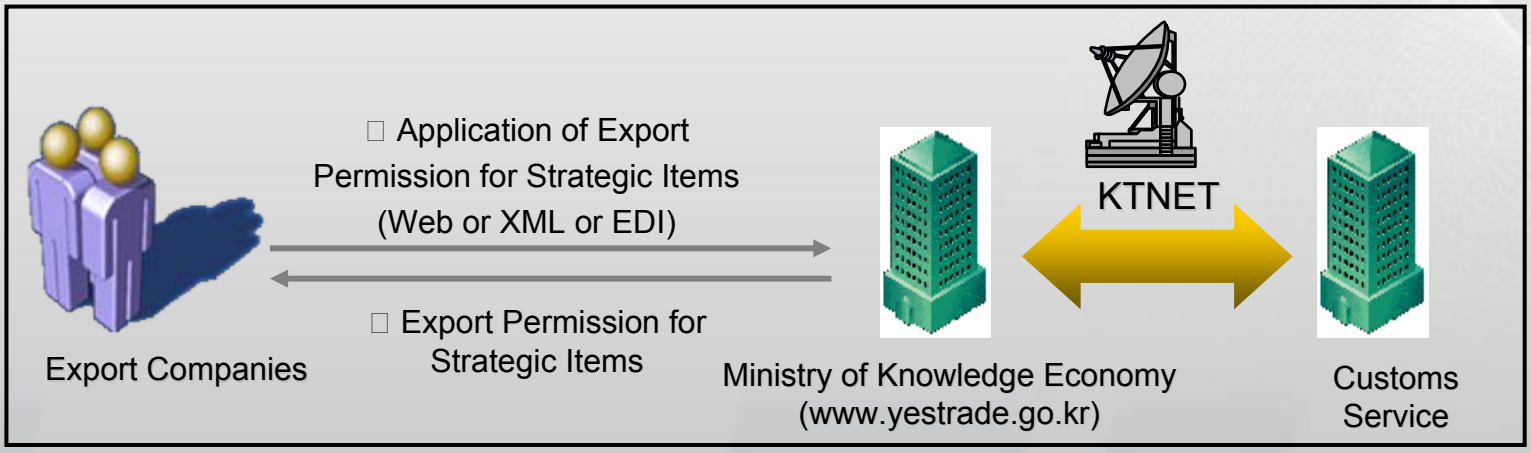
New developments: cross border eSPS exchange

Featured Service : Permission on Strategic Item

Licensing/Certificate: Export Permission on Strategic Item

1. Export Permissions for Items

2. Flow



3. Relevant Electronic Documents

- Application/Approval of Export Permission for Strategic Items, Declaration of Items, Trade Report of Items, etc.

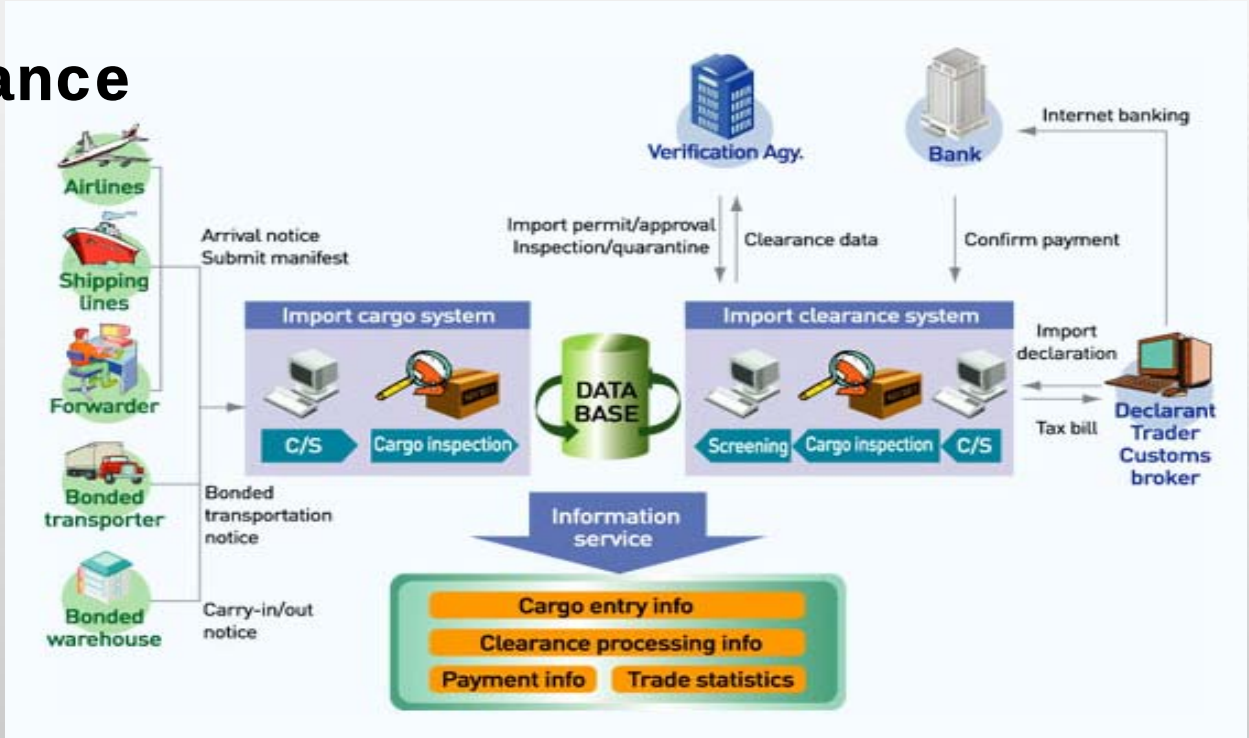
* Task of Export Control on Strategic Items

Strategic Items means Weapons of mass destruction or items which can be used to manufacture or to develop a weapon for double purposed items. These items are strictly controlled under article 21 of the Foreign Trade law for the purpose of international peace, safety, and national security.

Featured Service : E-CLEARANCE

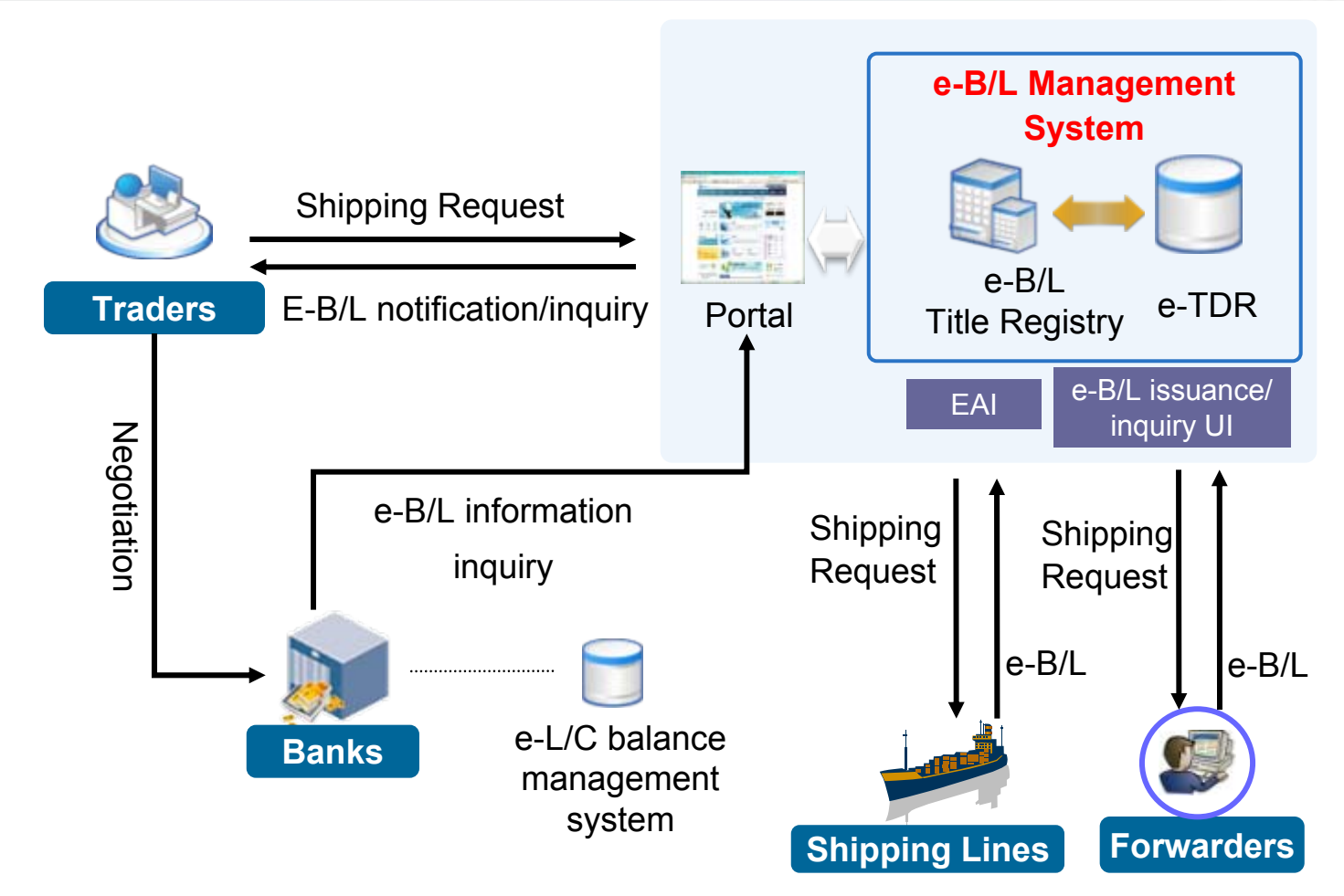
Customs:

e-Clearance



- **Functions**
  - Collects declarations from Customs Brokers or Traders and returns the result by connecting traders, Customs brokers, carriers, and trade-related agencies
  - With banks and verification agencies connected to the system, duty can be paid through the internet and requirement verification requests are submitted electronically
  - Once accepted, the declaration is transferred to the post-audit system for further examinations

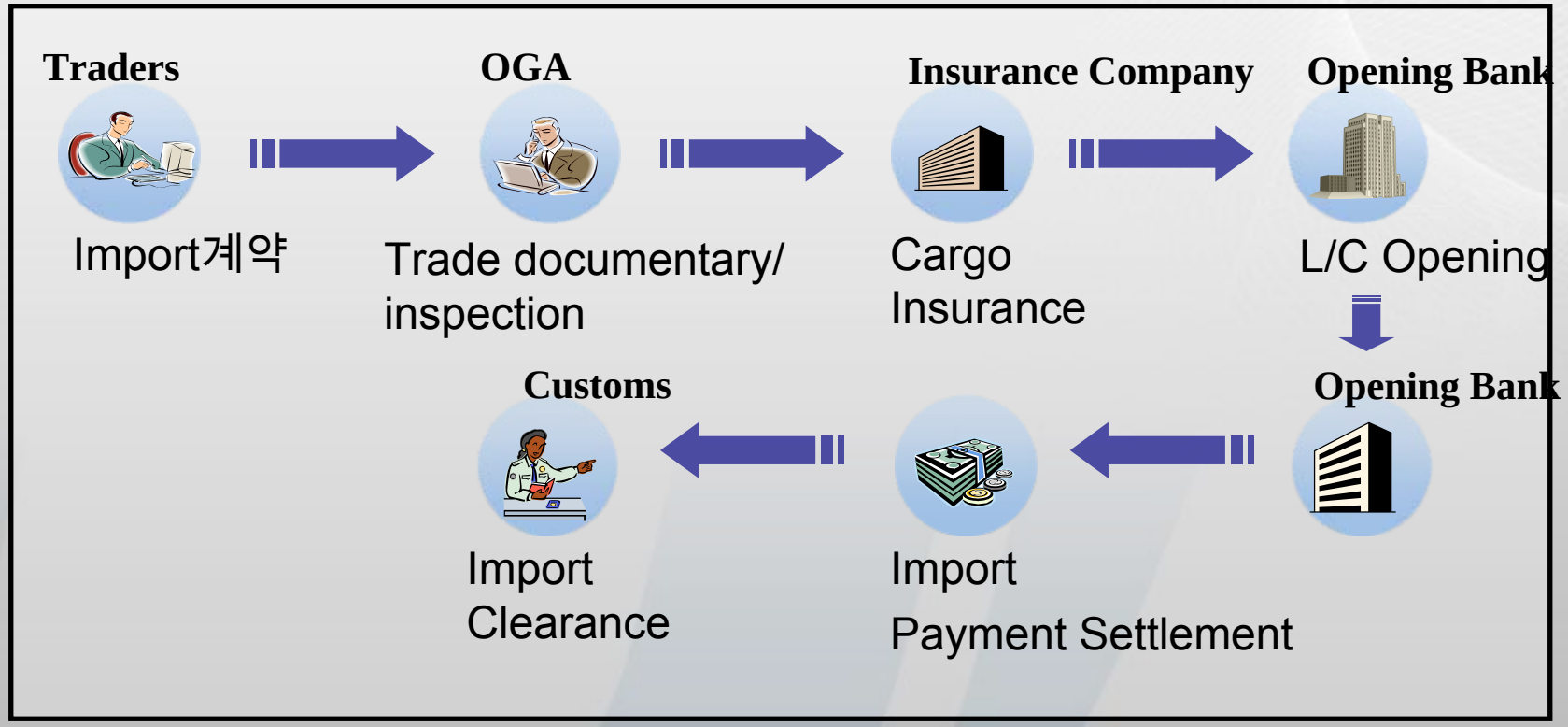
Featured Service : e-B/L Service



- Create and transfer BL electronically
- Remove paper based operation
- Manage related endorsement records

2. Import

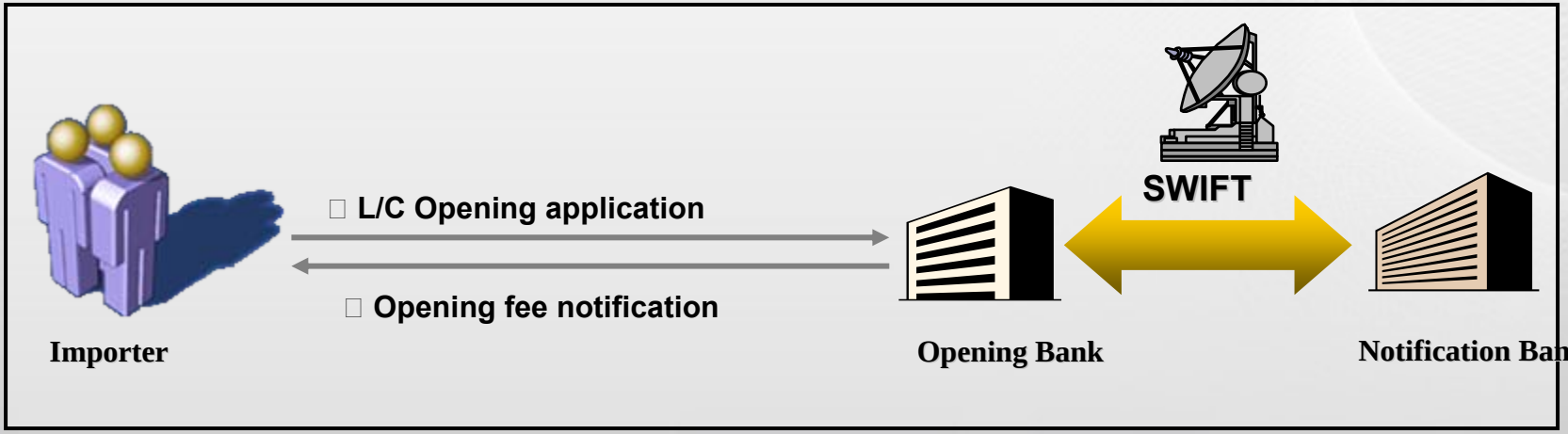
■ Import Process



Featured Service : L/C Opening

1. L/C Opening, Opening fee notification

2. Process



3. Available Banks: domestic and foreign banks

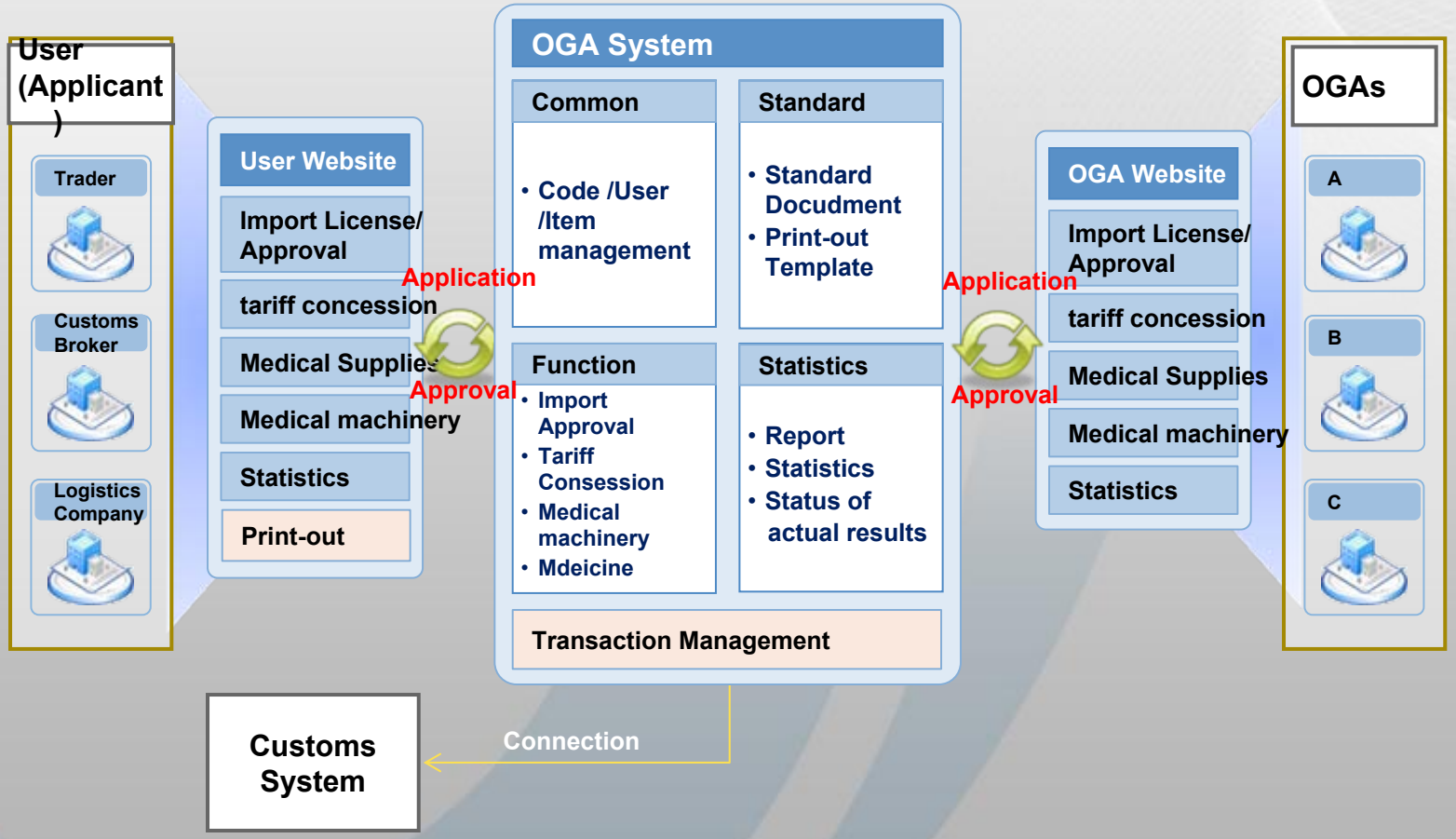
4. Related documents

- L/C opening application/response, L/C terms modification application, FINBIL

Featured Service : Licensing and Certificate

KTNET has developed ‘ASPLine’, providing e-license / approval / quota service

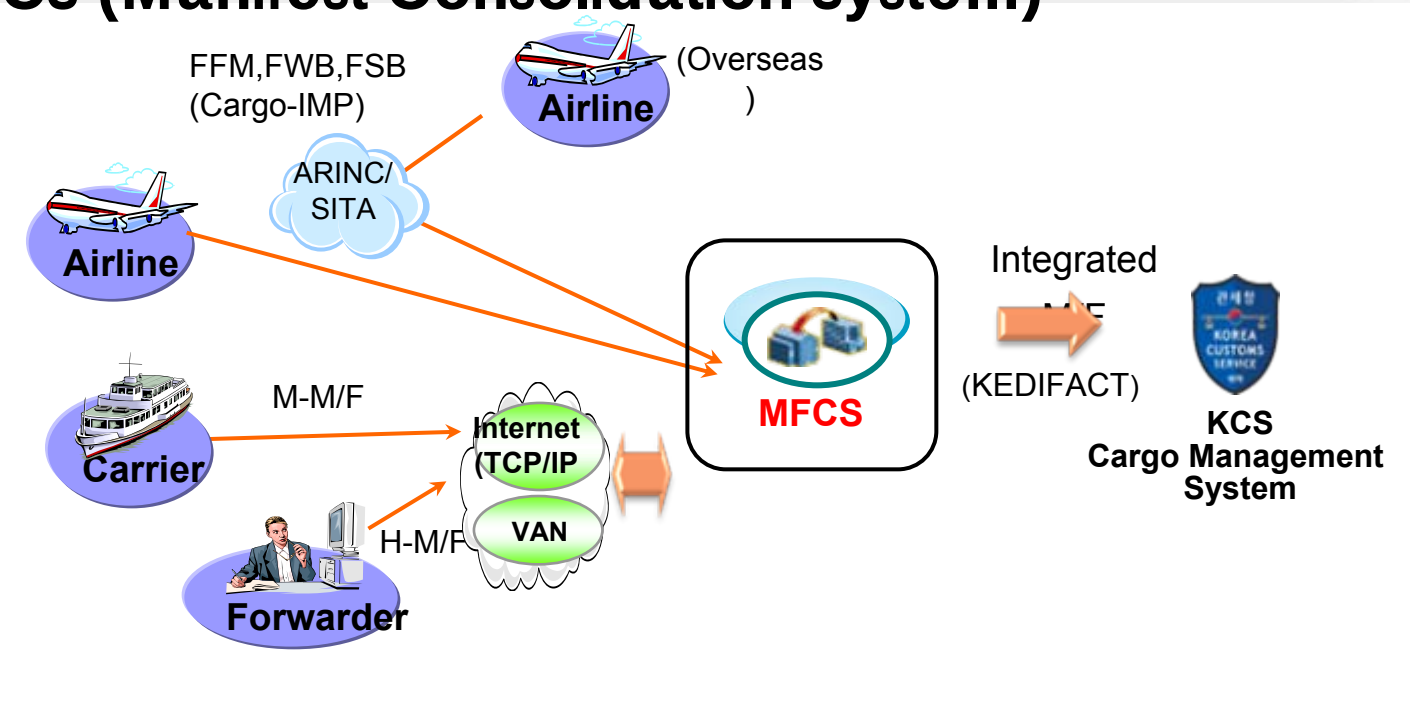
Over 40 government agencies are connected to uTradeHub for one-stop on-line service



Featured Service : Manifest Consolidation

Logistics:

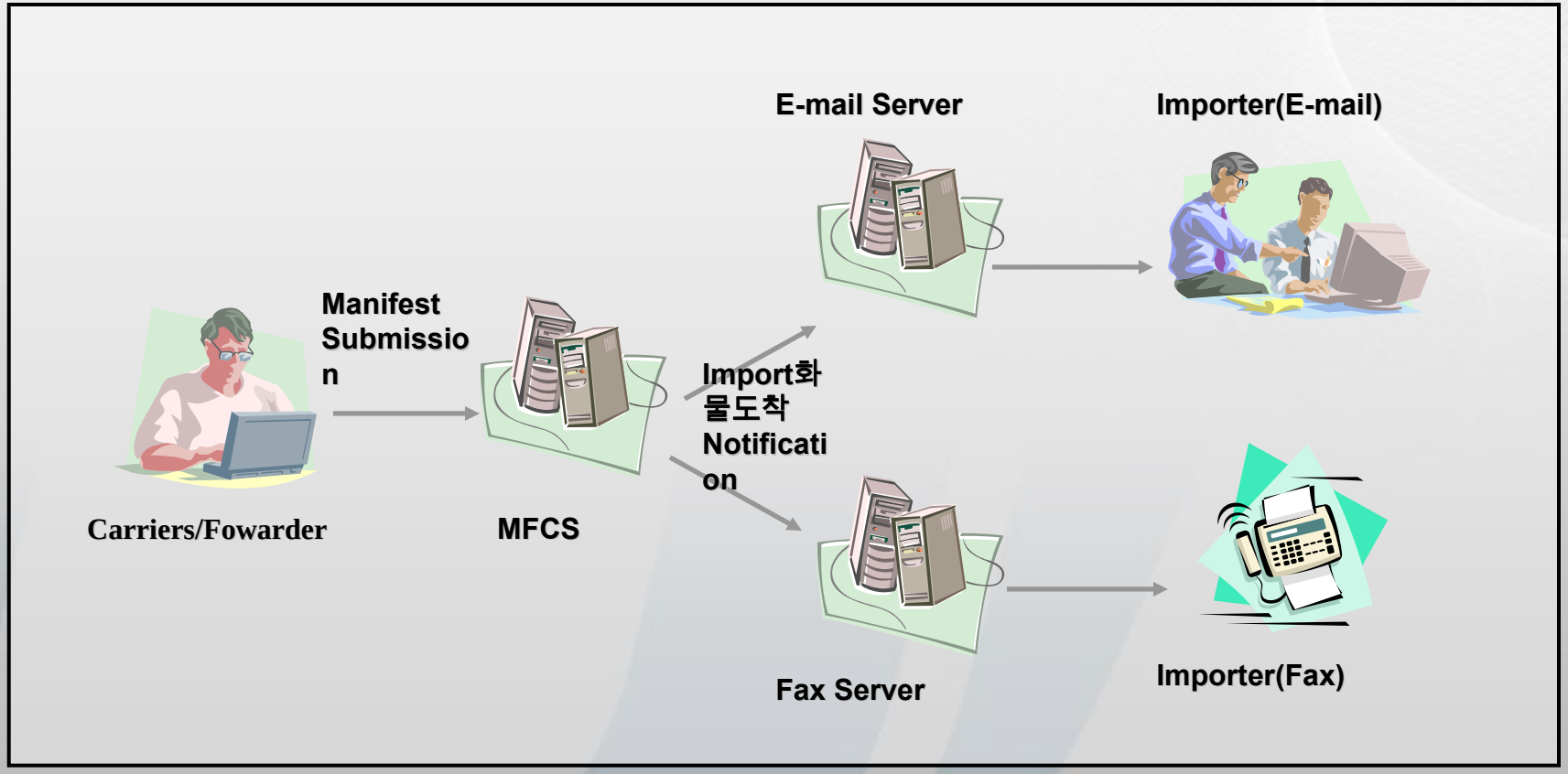
MFCS (Manifest Consolidation System)



- **Functions**
  - Collects manifest information from air lines/ocean carriers/forwarders
  - Consolidate data and submit to the Customs for comprehensive management of all cargoes entering/exiting Korea.
- **Benefits**
  - Reduces cost of managing/distributing documents related to arrival and departure of ships, loading/unloading of cargo
  - Increases effectiveness/correctness of cargo related information

Featured Service : Import Cargo Notification

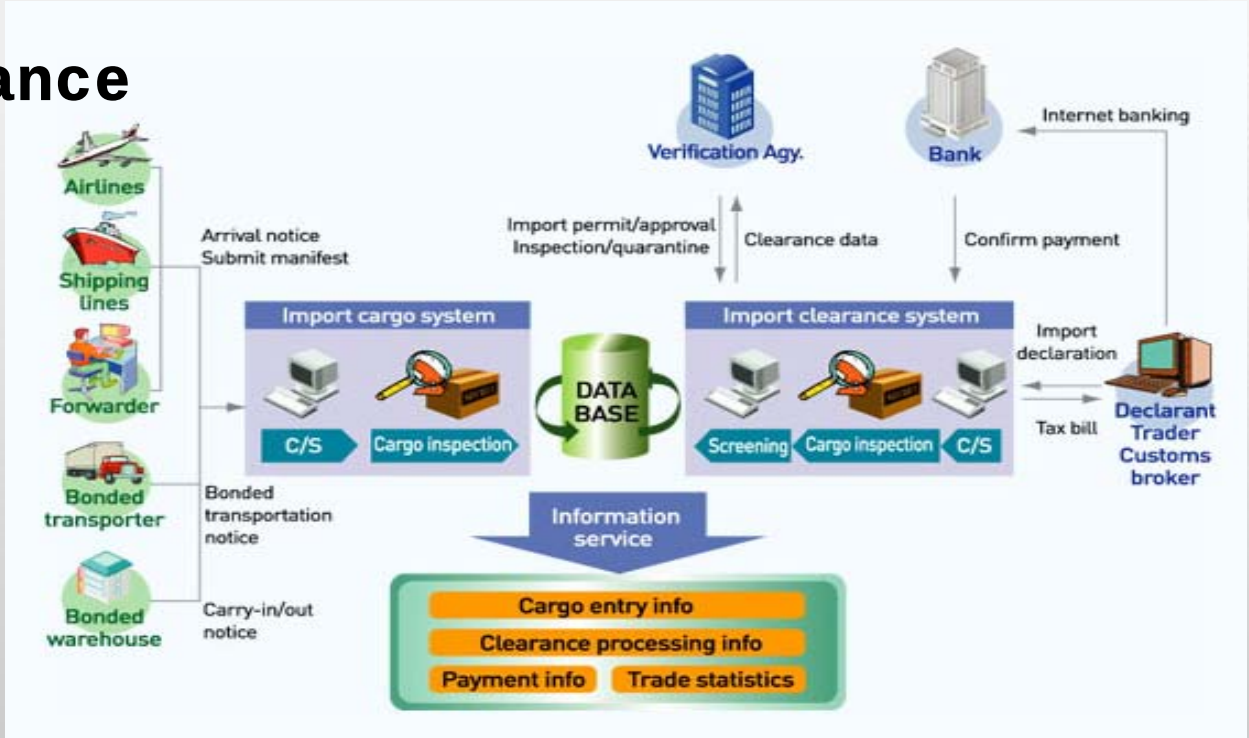
- Notification of Imported Cargo



Featured Service : e-Clearance

Customs:

e-Clearance



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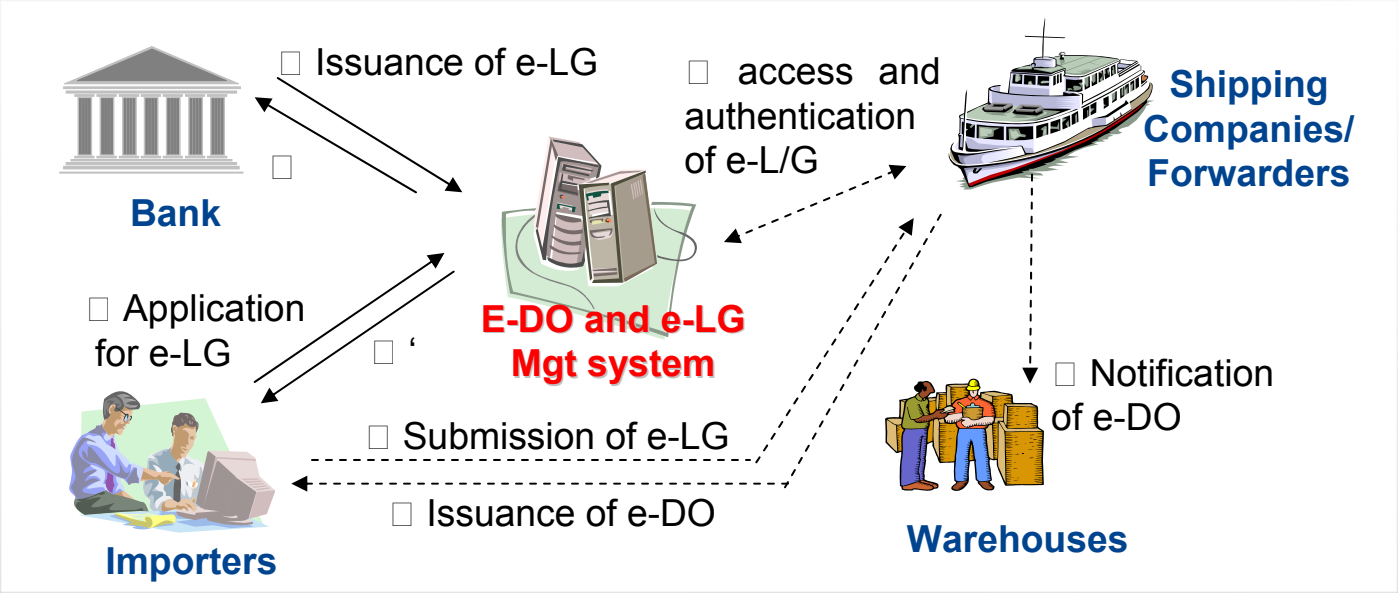
  - Once accepted, the declaration is transferred to the post-audit system for further examinations

Featured Service : e-DO & e-LG

Logistics:

e-D/O & e-L/G



- **Functions**
  - provides convenient and timely ways for traders to pick-up import cargo without full set of shipping documents required for the pick-up of the cargo
- **Benefits**
  - Saves cost by electronic procedure of application/issuance/notification of LG and DO
  - Convenient authentication of originality of LG and DO by way of electronic password methods, thus streamlining offline procedures
  - Increases effectiveness/correctness of cargo related information

4. Recommendations

Ready for implementation?

Once the system development starts,
there is limited time to handle the issues below:

- Clear vision?
- Stakeholder coordination mechanism?
- Clear scope/time frame? And deliverables?
- Reform of business process?
- Enough capability to take over the platform?
- Business model? Financial plan?

Vision and Stakeholder coordination mechanism

- Share the Vision among key stakeholders
- Create High-level Single Window committee or utilize current trade/logistics facilitation committee (UN/CEFACT Recommendation No. 4)
- Effective inter-agency co-ordination
- Public Private partnership
- A good plan—Single Window Master plan through institution al stake-holder mechanism

Scope and time frame

- Clear stakeholders' requirements

- Clear understanding of deliverables of the project by each time frame

Reform of business process

- Conduct BPR/ISP (5 ~15% of development resource)

- Benefits of successful implementation of Single window

  => 80% from business process reform

  20% from functionality of the platform

- Another 80:20 rule

  => Focus on simplification of major bottle neck - business pro cesses that traders mostly encounter in reality

Ready to take over the platform?

- Good Single Window should be able to evolves its functionality by itself -> Sustainable Single Window
- Simulate the operational resources

  => Prepare for capacity building programs and recruit local experts (Recommend open-source)
- Input as many Tajikistan IT resources into the development

Business model and Financial plan

- Simulation and projection of expected cost for operation

=> The smaller, the better to maintain

=> Huge system will be a burden to operator as well as traders

- Study business model of other Single Window

=> Operation costs by Government? Or by traders?

=> Transaction model, Clouding service model

- Add more value added services

=> IDC, CA, Repository service, and cargo tracking

Sharing Korean Experience with others

- On the basis of mutual benefits, KTNET is sharing its experience on Paperless Trade and e-Customs with Overseas Governments

Feasibility Study for Mongolian Single Electronic Window ; 2010

Kazakhstan “BPR/ISP Consulting on Customs Modernization” ; 2005

Uzbekistan “F/S for Building up Paperless Trade Platform”; 2008

Romania “F/S on Romanian Paperless Trade System”; 2009

Philippines “F/S on Paperless Trade system Implementation” 2012

General Single Window Implementation Framework

1. Initiatives for Single Window Implementation Environment

1.1 Concept Note ⇨ 1.2 Feasibility Study ⇨ 1.3 High Level Single Window Master Plan ⇨ 1.4 Institutional Arrangement (National Single Window Committee or National Trade Facilitation Committee) ⇨ 1.5 Financial Plan

2. Single Window Designing

2.1 Project Management Office (Group) ⇨ 2.2 Single Window Implementation Action Plan ⇨ 2.3 Business Process Reengineering (Innovation) and Single Window Business Modeling ⇨ 2.4 Data Harmonization and Standardization • Revision of Laws and Regulations ⇨ 2.5 Information Strategy Planning

3. Development and Operation of Single Window Infrastructure

3.1 Development of Single Window Infrastructure and Application ⇨ 3.2 Change Management and Capacity Building ⇨ 3.3 Single Window Operation and Expansion

What is Feasibility Study?

■ Five areas of feasibility that determine whether a project should run or not

- T - Technical - Is the project technically possible? Or what technical options are available?
- E - Economic - Can the project be afforded? Will the project be benefit?
- L - Legal - Is the project legal? Or what are the gaps between a deliverable of a project and current legislation?
- O - Organizational (Operational) - Will the organization accept the change? Or will the solution work properly in the organization if implemented?
- S - Scheduling - Can the project be done in time? Or what is the expected time frame to undertake the project successfully?

■ F/S for Single Window implementation?

- Coordination of the interests of stakeholders from public and private sectors
- Simplification of procedures of data and document exchange including data harmonization and standardization for trade facilitation
- A national level large scale ICT Project

Methodology for F/S on S/W

- Building Study Group
  - Develop F/S plan, build a Study Group, develop a F/S action plan
- Environment Analysis implications (improvement opportunity)
  - Analyze general environment for S/W such as related laws/regulations, stakeholders, and national level ICT plan/environment
- AS-IS Analysis implications (improvement opportunity)
  - Conduct Business Process Analysis on trade procedures such as customs, logistics, licensing and certification, banking and trade finance
  - Conduct ICT Status Analysis on System and application level of stakeholders ICT infrastructure (H/W and N/W)
  - Define improvement opportunities(factors) and stakeholder demands
  - Analyze best practices and business/technical trends, and define the gap
- Future Model and Feasibility Analysis
  - Define the vision, key words, strategy and future Single Window architecture
  - Analyze 5 areas of the feasibility and develop implementation strategy
- Reporting

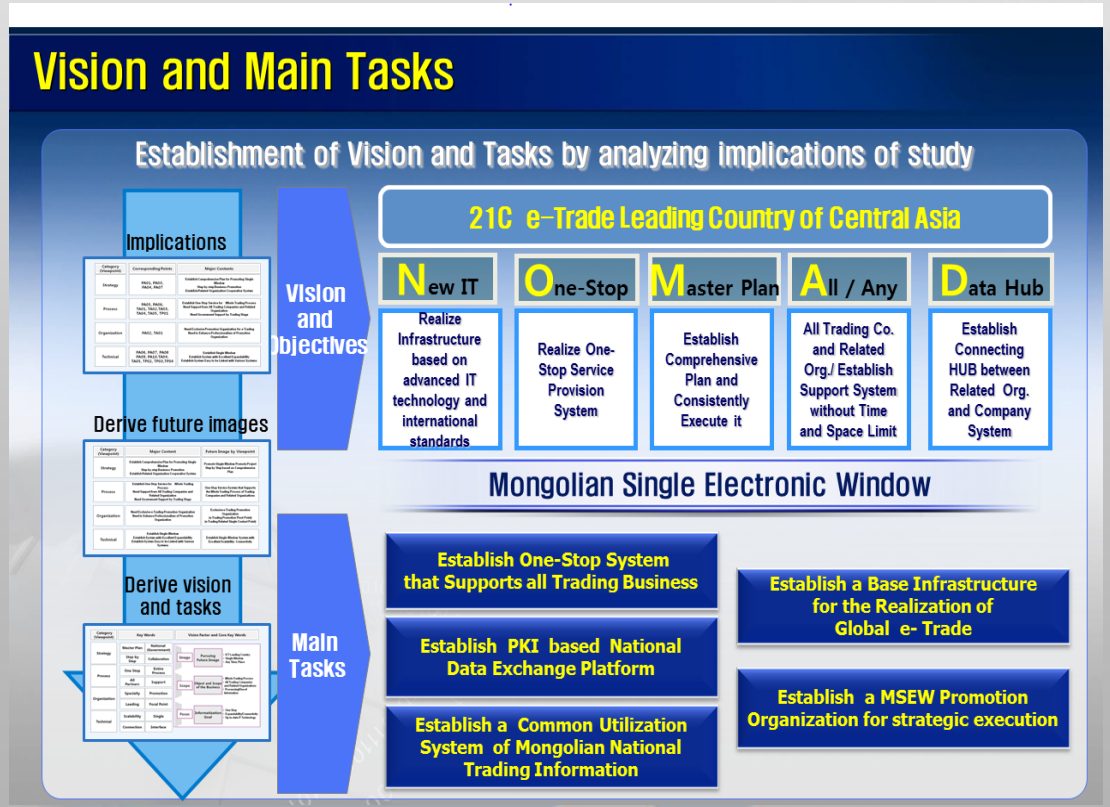
Case : F/S for Mongolian Single Electronic Window

■ F/S for MSEW

- MGCA and NIPA(National ICT Promotion Agency) of Korea
- September 2010 ~ November 2010

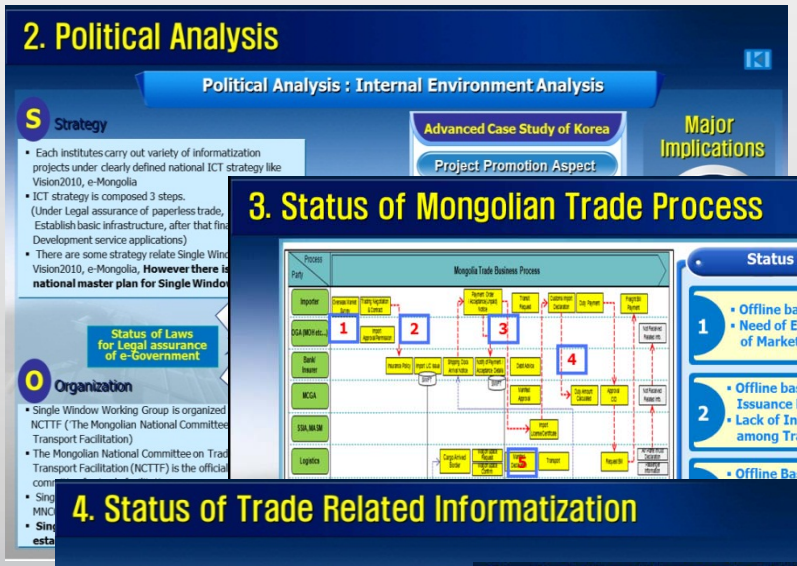
□ NIPA provides feasibility Study to other countries in needs as part of Korean Government's intergovernmental cooperation measure

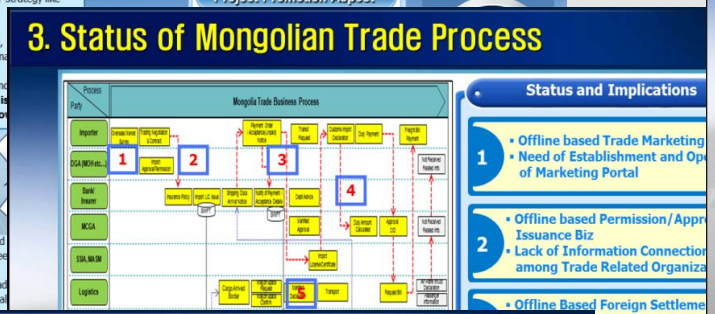
■ Vision, key words and main tasks were derived from study

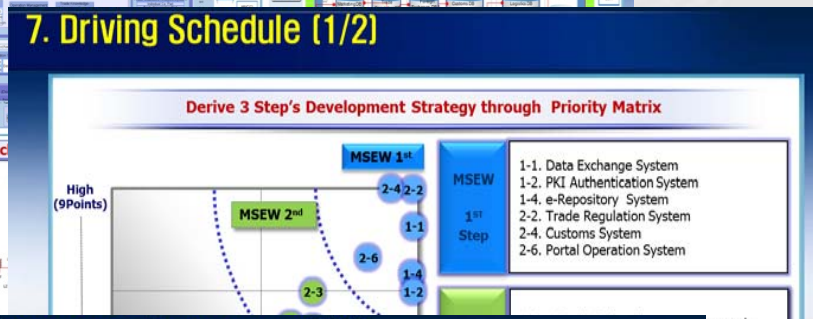


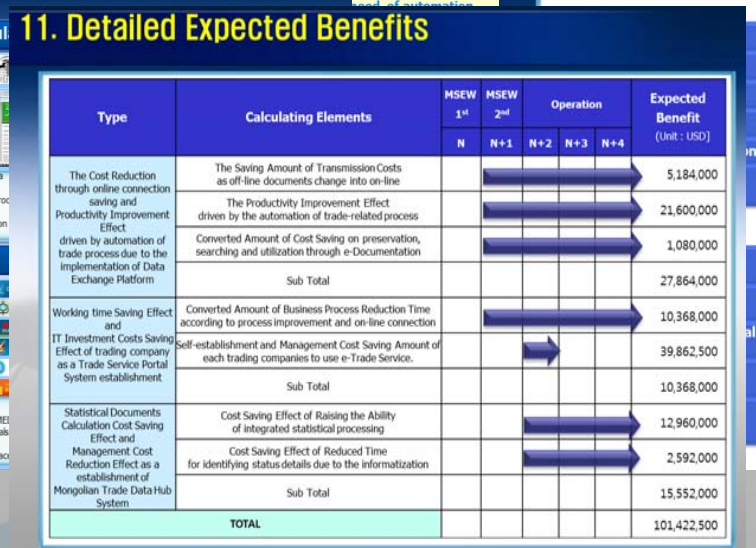
Case : F/S for Mongolian Single Electronic Window

■ Result of F/S for MSEW



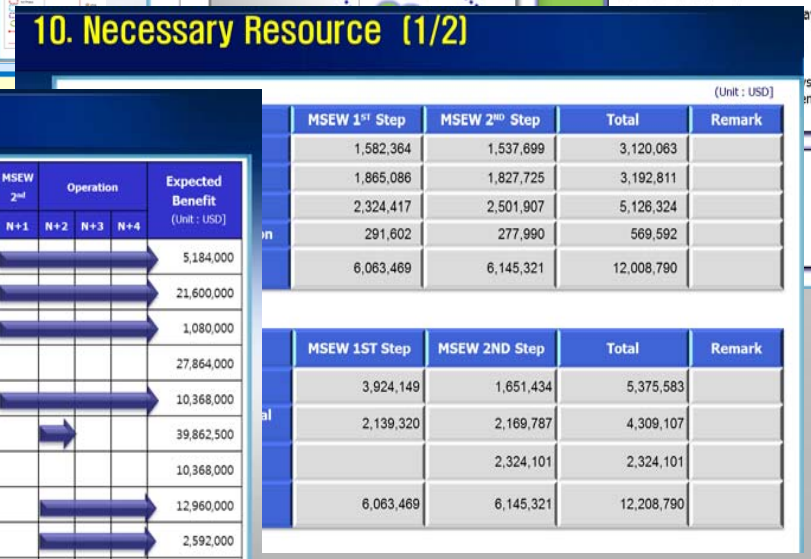






11. Detailed Expected Benefits

Type	Calculating Elements	MSEW 1st	MSEW 2nd	Operation			Expected Benefit (Unit : USD)
		N	N+1	N+2	N+3	N+4	
The Cost Reduction through online connection saving and Productivity Improvement Effect driven by automation of trade process due to the implementation of Data Exchange Platform	The Saving Amount of Transmission Costs as off-line documents change into on-line						5,184,000
	The Productivity Improvement Effect driven by the automation of trade-related process						21,600,000
	Converted Amount of Cost Saving on preservation, searching and utilization through e-Documentation						1,080,000
	Sub Total						27,864,000
Working time Saving Effect and IT Investment Costs Saving Effect of trading company as a Trade Service Portal System establishment	Converted Amount of Business Process Reduction Time according to process improvement and on-line connection						10,368,000
	Self-establishment and Management Cost Saving Amount of each trading companies to use e-Trade Service.						39,862,500
	Sub Total						10,368,000
Statistical Documents Calculation Cost Saving Effect and Management Cost Reduction Effect as a establishment of Mongolian Trade Data Hub System	Cost Saving Effect of Raising the Ability of integrated statistical processing						12,960,000
	Cost Saving Effect of Reduced Time for identifying status details due to the informatization						2,592,000
	Sub Total						15,552,000
TOTAL							101,422,500



10. Necessary Resource (1/2)

(Unit : USD)

MSEW 1st Step	MSEW 2nd Step	Total	Remark
1,582,364	1,537,699	3,120,063	
1,865,086	1,827,725	3,192,811	
2,324,417	2,501,907	5,126,324	
291,602	277,990	569,592	
6,063,469	6,145,321	12,008,790	

MSEW 1ST Step	MSEW 2ND Step	Total	Remark
3,924,149	1,651,434	5,375,583	
2,139,320	2,169,787	4,309,107	
	2,324,101	2,324,101	
6,063,469	6,145,321	12,208,790	

What is the Master Plan for Single Window implementation?

■ Objectives

- To align Single Window objectives with the current As-Is status, and to define clear paths for development and deployment of the target To-Be Single Window including an institutional mechanism. After a S/W high-level master plan is initially established, it would become the reference for future implementation and deployment initiatives responding to SW requirements

Key Elements of a Master Plan (1)

Key Elements	Description
Single Window Vision and Objectives	A clear statement of the project's Vision, goals and objectives. **The vision and objective should be set for the benefit of trade community** but not for Government.
Project Needs	Define **Gap** between AS-IS and the Goal
Single Window Model an d Scope	A clear statement of **Single Window model and scopes** to be implemented
Expected Benefits of Single Window	Describe the **benefits** of private sectors as well as that of public sectors involved
Institutional arrangemen t and political commitme nt for stakeholder coordination	This is essential to keep **all stakeholders informed and "on-board**" throughout the project. Formal institutional arrangements should be addressed to facilitate the participation of all stakeholders in the development of the Single Window – relevant government agencies and private sector representatives. The participation of the private sector, as the ultimate user of the services provided by the SW, is critical in order to gain information from the user perspective.
Business Process Reengineering (Innovation)	In the High Level Master Plan, **the importance of and needs for the BPR**, in alliance with the Single Window scope, should be defined and arranged in advance to actual designing the system and implementation of it.

Key Elements of a Master Plan (2)

Key Elements	Description
Revision of legal infrastructure	Achieve the required legislative changes to operate a Single Window; - Develop, or modify where necessary, existing legacy systems
Major Components or Functionalities of Single Window	Identify components and functions essential to carrying out its responsi bilities of related government agencies in the Single Window scope
Single Window Busines s and Operation Model	Identify a Business Case for the establishment of a Single Window un der each proposed scenario, including **an estimate of the initial(deve lopment) and operating costs, value of the benefits, sustainability , possible mechanisms for revenue collection** and time frames for i mplementation;
Project Budget and Source	Expected Project Implementation **Budget and Source**
Development approach and schedule	In consideration of the implementation strategy, scope, readiness and b udget of the Single Window implementation, full or phased approach m ethod and schedule should be defined.
Human Resources and Training	Define human resource inputs and capacity building needs
Promotion plan	Recommend a promotion strategy for the development and operation of the Single Window A 'Compulsory' or a 'voluntary' use of the Single Window services coul d be considered as a part of promotion plan

UN Network of Experts for Paperless Trade in Asia-Pacific Region

UNNExT
United Nations Network of Experts for Paperless Trade in Asia and the Pacific

"ongoing community of knowledge and practice to facilitate the implementation of single window and paperless trade in the Asia-Pacific region "

UtradeHub
Thank you

#Services and documents

Export

Process	업무내역	From	To	전자문서	문서명
L/C Notification	L/C Notification	Bank	Exporter	ExportL/CNotification서	ADV700
				ExportL/C선Notification서	ADV705
				해외양도L/CNotification서	ADV720
				타행L/CNotification서	ADV710
	L/C Amendment Notification	Bank	Exporter	ExportL/C 조건변경 Notification서	ADV707
	수수료 Notification	Bank	Exporter	계산서	FINBIL
Export Insurance	Credit research 의뢰	Exporter	보험공사	Credit research 의뢰서	APPCRE
	Credit research 통보			Credit research 통보서	CREINS
	선적 Notification	보험공사	Exporter	보험선적 Notification서	APPEIC
	보험증권 Notification			보험결과 Notification서	EICADV

Export

Process		업무내역	From	To	전자문서	문서명
물품확보	Local L/C	Local L/C Opening Application	Exporter	Bank	내국L/C Opening Application서	LOCAPP
		Local L/C Notification	Bank	Exporter,생산자	내국L/C Notification	LOCAPP
		Local L/C Amend Application	Exporter	Bank	내국L/C 조건변경 Application	LOCAMA
		Local L/C Amend Notification	Bank	Exporter,생산자	내국L/C 조건변경 Notification	LOCAMR
	구매 확인서	Purchase Confirmation Application	Exporter	Bank	구매확인 Application	APPPCR
		Purchase Confirmation Notification	Bank	Exporter	Purchase Confirmation	PCRLIC/PCLADV
Clearance		Export Clearance	Customs Broker	Customs	Export Clearance서	CUSDEC
		Export Clearance 수리	Customs	Customs Broker	Export Clearance 수리서	CUSRES
		Export Clearance 의뢰	Exporter	Customs Broker	Submission의뢰서	EXPREQ
		Export Clearance 의뢰 통보	Customs Broker	Exporter	수리내역 Notification서	EXPRES
C/O Issuance		C/O Issuance Application	Exporter	Chamber of Commerce	원산지증명Issuance Application서	APPORG
		C/O Notification	Chamber of Commerce	Exporter	원산지증명서	CERORG
		Invoice 공증 Application	Exporter	Chamber of Commerce	상업송장Issuance Application 서	APPINV
		Invoice 공증	Chamber of Commerce	Exporter	상업송장증명서	CERINV

Export

Process		업무내역	From	To	전자문서	문서명
Cargo Insurance		Cargo Insurance Application	Exporter	Insurance	Cargo Insurance 청약서	APPCIP
		Cargo Insurance증권 Notification	Insurance	Exporter	Cargo Insurance증권 IssuanceNotification서	CIPADV
		Amend Application	Exporter	Insurance	Cargo Insurance 배서 청약서	APPEND
		Amend Notification	Insurance	Exporter	Cargo Insurance 배서 IssuanceNotification	ENDADV
Settlement	L/C(Nego)	Nego 의뢰	Exporter	Bank	Export환어음 매입 Application서	APPEG
		Nego 내역통보	Bank	Exporter	계산서	FINBIL
		인수(하자)내역통보			Export환어음 처리결과 통보서	ACNOTC
		입금내역Notification			입금Notification서	CREADV
	무L/C(송금)	입금 Application	Exporter	Bank	타발송금입금 Application서	APPSOF
		입금내역통보	Bank	Exporter	입금Notification서	CREADV
Local Settlement	Local L/C	Nego Application	생산자	Bank	판매대금추심의뢰서	APPSPC
		인수증	Exporter	생산자	물품수령증명서	LOCRCT
		세금계산서	생산자	Exporter	세금계산서	VATBIL
		Nego 내역통보	Bank	생산자	판매대금추심처리응답서	SPCNTC
		환어음도착통보			내국L/C어음도착통보서	LDANTC
Duty drawback		환급 Application	생산자 ,Exporter	관세청	환급 Application서	CUSDRW
		Duty drawback 오류통보	관세청	생산자 ,Exporter	Duty drawback 오류통보서	CUSAPE
		접수/완료 통보	관세청	생산자 ,Exporter	접수/완료통보서	CUSRES
		환급 Application 부분제전송	생산자 ,Exporter	관세청	환급 Application 부분재전송	CUSDPA

Import

Process		업무내역	From	To	전자문서	문서명
계약	L/C Opening(L/C)	L/C Opening Application	Importer	Bank	L/C Opening Application서	APP700
		L/C Opening 응답서	Bank	Importer	L/C Opening 응답서	INF700
		L/C Amend Application	Importer	Bank	L/C조건변경 Application서	APP707
		L/C Amend 응답서	Bank	Importer	L/C조건변경 응답서	INF707
		Opening fee Notification			계산서	FINBIL
Import Permission		Import Permission Application	Importer	조합/협회	Import Permission Application서	APPIMP
		Import Permission	Association	Importer	Import Permission서	IMPLIC
Cargo Insurance		Cargo Insurance Application	Exporter	Insurance	Cargo Insurance 청약서	APPCIP
		Cargo Insurance증권 Notification	Insurance	Exporter	Cargo Insurance증권 Issuance Notification	CIPADV
		Amend Application	Exporter	Insurance	Cargo Insurance 배서 청약서	APPEND
		Amend	Insurance	Exporter	Cargo Insurance 배서 Issuance Notification	ENDADV
Clearance		Import Clearance	Customs Broker	Customs	Import Submission	CUSDEC
		Import Clearance 통보	Customs	Customs Broker	접수통보	CUSRES
		Import Clearance 의뢰	Import사	Customs Broker	Clearance의뢰 Application서	IMPREQ
		Import Clearance 의뢰 통보	Broker	Import사	Clearance의뢰응답서	IMPRES
L/G, D/O		L/G Application	Importer	Bank	Import화물 선취보증 Application서	APPLOG
		L/G	Bank	Importer/Carr	Import화물 선취보증서	LOGUAR

Import

Process		업무내역	From	To	전자문서	문서명
Settlement	L/C, D/A D/P	선적서류 도착통보	Bank	Importer	선적서류 도착통보서	DOANTC/ANOSDC
		Banker's Usance L/C 디스카운트내역Notification	Bank	Importer	Import어음할인내역서	DISCHG
		Pay Order	Importer	Bank	Pay Order	PAYORD
		Debit Notification	Bank	Importer	Debit Notification서	DEBADV
	T/T	지급 Application(사후)	Importer	Bank	지급확인 Application서	APPCOP
		Pay Order(사전,사후)			Pay Order	PAYORD
		Debit Notification	Bank	Importer	Debit Notification서	DEVADV
		Settlement내역 통보			계산서	FINBIL