



**APEC Symposium On Paperless Trading Capacity
Building And Intellectual Property Protection
People's Republic of China
September 2007**

Paper

Korea's National Single Window Platform for paperless trade and e-logistics



Korea's National Single Window Platform for paperless trade and e-logistics



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1. What is National Single Window?


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Korea Paperless Trade Center



Single Window Definition

- **UN/CEFACT Recommendation 33**

A facility that allows parties involved in trade and transport to lodge standardized information and documents with a single entry point to fulfill all import, export and transit-related regulatory requirements.


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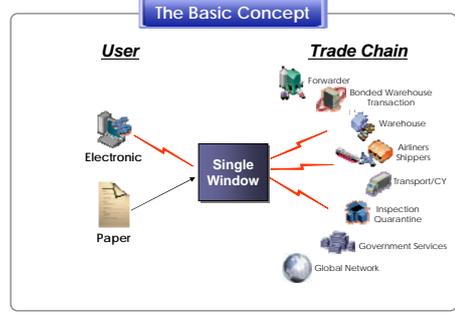

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1. Definition of National Single Window Trade Platform
2. Why Do We Need It?
3. Where Are We Now?
4. e-Trade Korea 2007 Project
5. Korea's e-logistics Services
6. Challenges ahead


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The Conceptual Model of Single Window

The Basic Concept




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Benefits of Single Window

- Process innovation
- Cost reduction
- Time saving/ No delay
- No worries of losing documents
- Prevention of counterfeit
- Transparency of procedures

Trade - Korea's Life Line

Labor-intensive Products → Hi-tech Products

1961 (41M USD total)

1. Iron Ores
2. Tungsten
3. Raw Yarns
4. Coals
5. Cuttlefish
6. Live Fish
7. Graphite
8. Plywood
9. Rice
10. Swine Bristles

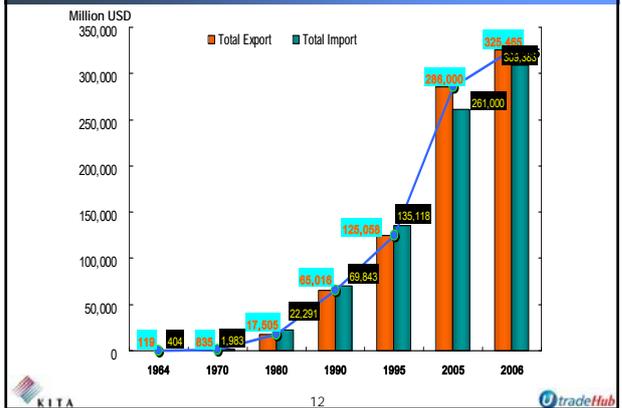
2005 (284B USD total)

1. Semiconductor
2. Automobile
3. Wireless com Apparatus
4. Computer
5. Vessel
6. Petroleum Products
7. Synthetic Resin
8. Steel Flat-rolled Products
9. Video Apparatus
10. Automobile Parts

Global Trends of Single Window

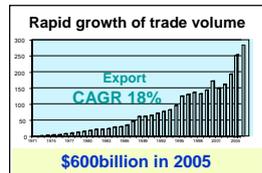
Countries	Summary
Singapore	<ul style="list-style-type: none"> • Organizer of global pathfinder projects (e-C/O) • TradeXchange project launched in 2007
HongKong	<ul style="list-style-type: none"> • DTTN Project of Tradelink and HKSAR * DTTN : Digital Trade and Transportation Network
Taiwan	<ul style="list-style-type: none"> • Total trade service by TradeVan (VAS provider) covering cargo clearance, global logistics, e-Commerce and etc • Efforts to integrate various services into SSO window
Japan	<ul style="list-style-type: none"> • Connection Portal linking various service providers and government agencies for total and integrated trade services

Korea's Trade Volume



2. Why Do We Need It?

International trade in Korea



Bottleneck in trade process

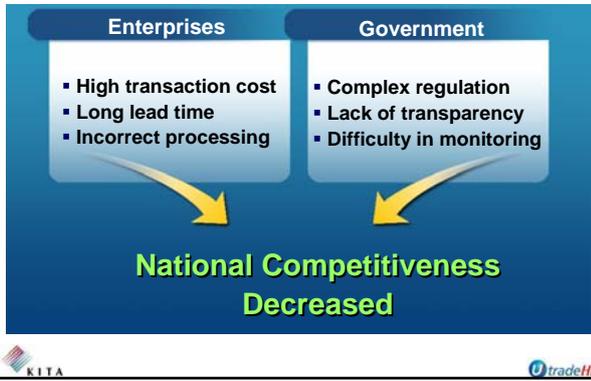


Delays in customs clearance

Tons of trade documents



Problems of Paper Based Trade

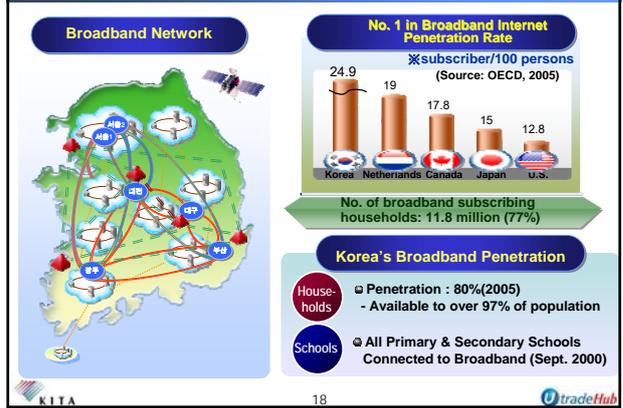


Korea's Single Window Model (u Trade Hub)



3. Where Are We Now?

IT Infrastructure of Korea



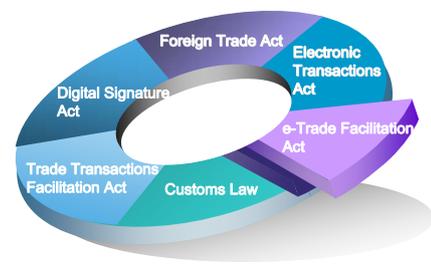
Korea's Status in Paperless Trade

The Development Level of APEC Economies



2005 APEC Symposium on the Assessment and Benchmark of Paperless Trading

Legal Infrastructure



In 1991, Enacted 'Trade Automation Act'

In 2005, Enacted 'e-Trade Facilitation Act'

Strong Leadership and PPP



A typical Working Group meeting held by KITA



Government - Bank Leaders meeting organized by KITA (JUN '05)

Vision

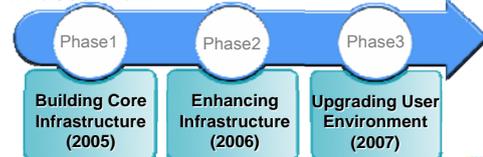
Vision

e-Trade KOREA, Innovation 2007

A leading e-Trade nation in the 21st century

- Every company can trade in the most economic and efficient way via the internet
- Simplify the process, higher productivity, deregulation
- Economic effects → Cut trade cost by US\$14.5 billion
→ Increase exports by US\$7.9 billion

3 Phases Plan



4. e-Trade Korea 2007 Project

Organization(Korea Paperless Trade Center)

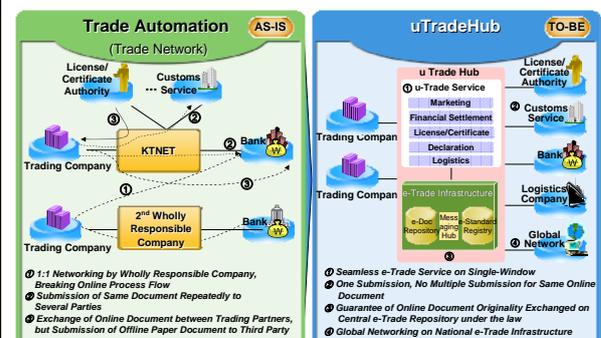
- Foundation
 - Founded in Jan. 2005 in KITA after BPR/ISP Project(Jun. 2004)
- Role : Project Management Office
 - Implementation of 33 tasks from 'e-Trade Korea 2007' roadmap
 - Secretariat of National e-Trade Committee



Milestones of Korea's Paperless Trade

- In 1989, Korean government initiated - "Comprehensive Trade Automation Plan"
- In 1991, Korea enacted "Trade Automation Act"
- In 1991, Korea Trade Network (KTNET) was established by KITA
- In 1992, Korea Customs Service designated KTNET as sole customs automation service provider
- In 1996, KTNET provided logistics service through MFCS - Korea realized a 100% electronic customs clearance system(VAN/EDI)
- In 2003, National e-Trade Committee was established (Chair :PM)
- In 2004, BPR/ISP for e-Trade Process Innovation
- In 2005, enacted 'e-Trade Facilitation Act' 'e-LC service' launched for the 1st time in the world
- In 2006, e-Trade Service Project, 2nd Stage
- In 2007, 'uTradeHub™' Launched

Principles of u Trade Hub



The uTradeHub Portal Site

The screenshot shows the uTradeHub portal interface. At the top, there are navigation tabs for 'Trade Building Projects', 'uTrade Hub', 'Trading related Affairs', 'Services', 'Trade-related Organization', and 'Directory'. A search bar is located on the left. The main content area features a large banner for 'UBIQUITOUS TRADE HUB' with the tagline 'Connecting your business and the world'. Below the banner, there are sections for 'Background and Goals', 'Promotion Strategy', 'Actions Taken', and 'Promotion System'. At the bottom, there are buttons for 'Export/Import Process' including 'Marketing', 'Foreign Exchange', 'Regulatory Confirmation', 'Logistics', 'Customs Clearance', and 'Settlement'.

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eLogistics Service > Concept



- Web-based import /export related logistics management system
- Electronic data submission/sharing among traders, Customs, government agencies, transportation companies, warehouses and forwarders

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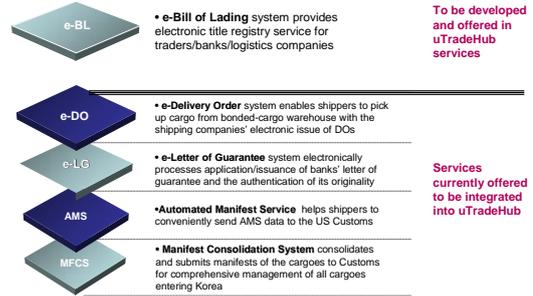
Ex) Export Contract Menu

The screenshot shows the 'Export Contract Menu' interface. On the left, there is a sidebar with task management options: 'Task Urgently needed to handle', 'Task No need to process', 'Task For the next step', and 'Task already done'. The main area displays a table of contract details. The table has columns for 'Contract No.', 'Contract Date', 'Contract Type', 'Contract Status', 'Contract Value', and 'Contract Currency'. The table lists several contracts, including one for '수출계약서' (Export Contract) with a value of USD 500,000.00.

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eLogistics Service > Services Offered

e-Logistics Services



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5. Korea's e-Logistics Services

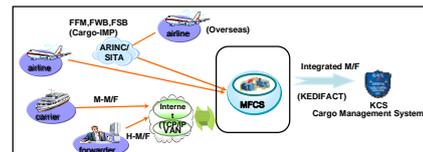
KITA

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uTradeHub

eLogistics Service > MFCS

□ **Manifest Consolidation System (MFCS)** collects manifest information from air lines/ocean carriers/forwarders to consolidate and submit data to the Customs.



- **Functions**: automatic collection of manifest information, conversion of data into EDI documents, automating cargo allocation operation, offering cargo tracking/arrival notice/APIS (Advanced Passenger Information System)
- **Benefits**
 - Reducing cost of managing/distributing documents related to arrival and departure of ships, loading/unloading of cargo
 - Increasing effectiveness/correctness of cargo related information

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KITA

uTradeHub

eLogistics Service>e-DO/e-LG

- *e-DO and e-LG service* provide traders with time and cost savings in pick-up imported cargo

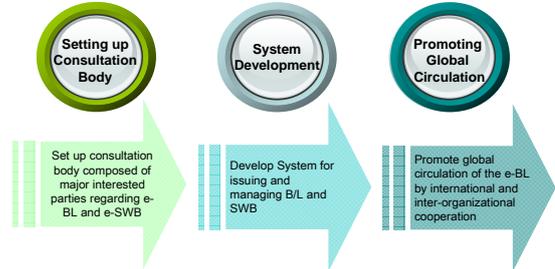


Benefits

- Saving time and cost by electronic application/issuance/notification of LG and DO
- Safe and transparent transactions free from forgery documents

eLogistics Service>e-BL (Cont'd)

- Steps to Implement e-Bill of Lading System

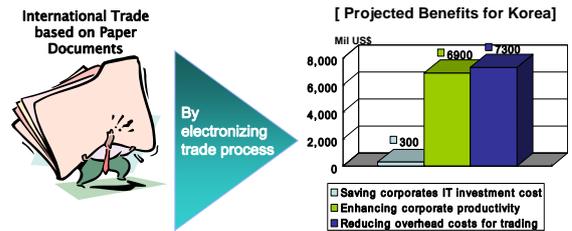


eLogistics Service>e-BL

- *e-Bill of Lading System* will be a final step of paperless trade and logistics services
- It will pave the way for e-Negotiation.

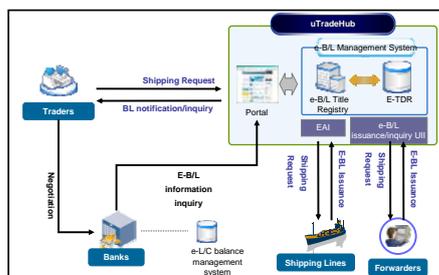


Projected Benefits of Paperless Trade



eLogistics Service>e-BL (Cont'd)

- e-BL System Workflow



Critical Success Factors

- Legal Framework readiness
- Strong leadership by government
- Public & Private cooperation
 - Covers not only B2B but B2G, G2G
- Enough Budget
- IT infrastructure (Network, Hardware, Software)
- Adopting International standards and trends
- User-friendly system (Easy, Simple and Intuitive interface)
 - ex) My Trade™ at uTradeHub™
- Adopting State-of-the-Art Technology
 - BPM (Business Process Management)
 - Trusted Platform of reinforced security technology
 - Supporting industry SCM with Global visibility and RFID

6. Challenges Ahead -Global Proliferation-

Multilateral Cooperation



APEC 2005 PPP Dialog



UN/CEFACT TBG Meeting



UN/CEFACT 2006 Forum



APEC 2005 Busan Summit

Connectivity to the global trade

- Best Practices & International Standard
 - ebXML
 - the UN Trade Data Elements Directory (UNTDDED)
 - UN EDIFACT
 - WCO Data Model etc.
- Hub to Hub connection among National SWs
 - Mutual Authentication
 - Pilot Projects for e-C/O, e-B/L etc
- Multilateral cooperation
 - APEC, UN, ASEM
 - Public and Private Cooperation



Korea's Initiatives as e-Trade Leader

On-Going Agenda

- e-C/O Pathfinder Project
 - Korea-Chinese Taipei
 - Korea-Singapore Customs

Upcoming Issues

- e-B/L Project
 - Connecting national SWs for title documents
 - APEC Initiative by Korea
 - Singapore's TradeXchange as a potential partner
 - Projected to share experience and system with CIECC
- E-Nego Project
 - China-Korea cooperation project to realize paperless trade

Expansion and proliferation of u-Trade



Thailand

Vietnam

Canada



China

Japan

Chinese-Taipei

Thank you !

Q&A