



Single Window and Standardization in case of Korea's uTradeHub

Dr. Jaehyun Lee (tree@kita.net)

Managing Director, Korea International Trade Association

Korea e-Trade Facilitation Committee



❖ **Policy and Strategies of uTradeHub**

- **Vision and Plan**
- **Organization**
- **Milestones**
- **Model and Services**

❖ **uTradeHub and Standardization**

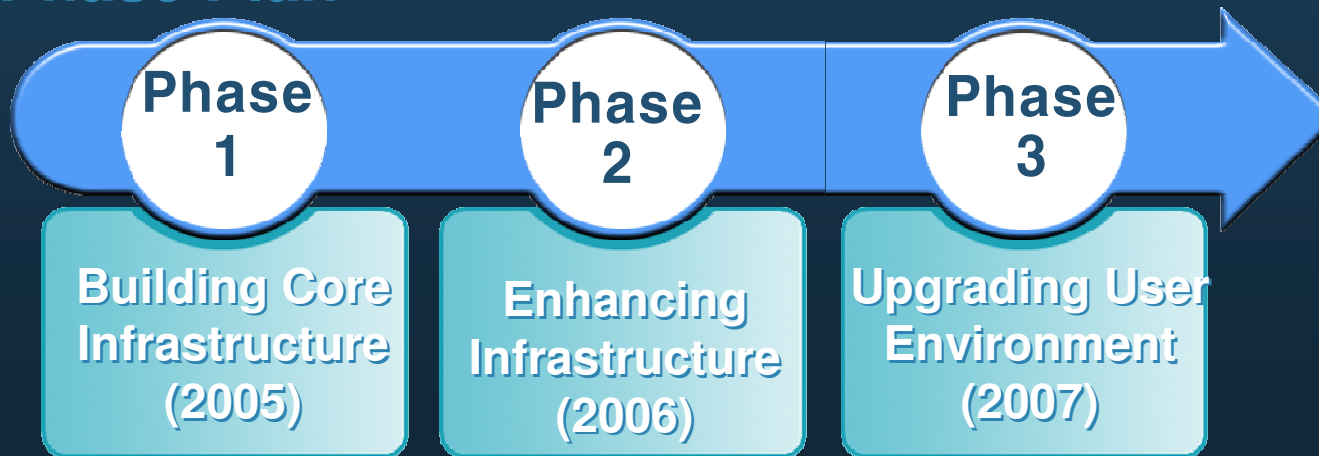
- **Summary**
- **Business Process within uTradeHub**
- **Evaluation and registration process**
- **Standardization in Progress : e-B/L**

➔ Vision

e-Trade KOREA, Innovation 2007 *A leading e-Trade nation in the 21st century*

- Build Internet-based national paperless trade infrastructure
- Innovate on existing trade services and processes
- Lead international cooperation to realize global wide paperless trade
- Reform laws and regulations to accelerate the dissemination of paperless trade

➔ 3 Phase Plan



❖ 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



- ❖ 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 Korea International Trade Association (KITA)
- ❖ In 2003, National e-Trade Committee was established (Chair :Prime Minister)
- ❖ In 2004, BPR/ISP for e-Trade Process Innovation
- ❖ In 2005, World’s first e-LC system launched
- ❖ In 2006, uTradeHub portal site opened
- ❖ In 2007, e-BL system and e-Nego system being developed in uTradeHub service

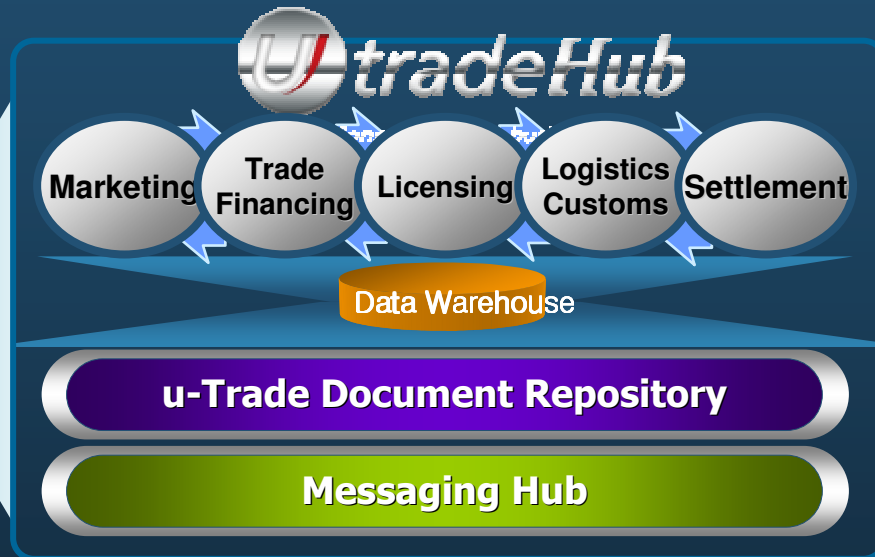


Marketing Information

- e-Market Place
- e-Biz Site
- Credit Evaluation Co.
- Korea Export Insurance Corporation

License & Certificate

- Over 50 Licensing Institutions connected
- KCCI (e-CO)
- Quarantine Station
- Inspection agencies



Financial Institution

- KFTC
- Banks
- Cargo Insurance Companies

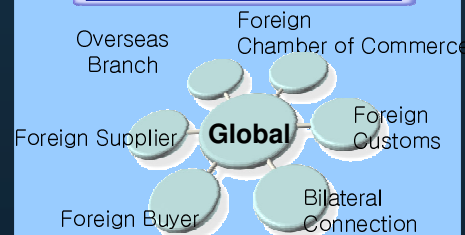
Logistics

- Shipping Line/ Airline
- Forwarder
- Bonded Warehouse

Customs

- Korea Customs Service
- Customs Broker

Global Networking



Int'l Financial Settlement



- ❖ **Marketing**
 - **integrated marketing information hub**
- ❖ **Licensing/Certification**
 - **licensing/certification procedures required for import/export**
- ❖ **Trade Finance**
 - **e-LC Service to finance exporters**
- ❖ **Customs Clearance**
 - **export/import related customs clearance operations via the Internet.**
- ❖ **Logistics**
 - **Logistics services for traders, shipping lines, forwarders etc.**
 - **Electronization of BLs**
- ❖ **Payment**
 - **Paperless presentation of negotiation documents and payment**

[HOME](#) | [SITEMAP](#) | [ENGLISH](#) | [JAPANESE](#) | [CHINESE](#) |

UtradeHub
UtradeHub소개
정보센터
지원센터
커뮤니티

[개요](#)
[서비스안내](#)
[무역포털소개](#)
[물류포털소개](#)
[e-L/C포털소개](#)
[사업참여기관](#)
[무역유권기관](#)

ID

Password

인증서 로그인 ID재장

[ID/PW찾기](#) [회원가입](#)



전세계 전자무역의 중심,
uTradeHub



물류포털



무역포털



은행포털



물건포털

- [공인인증서발급](#) 
- [공인인증서관리](#) 
- [전자무역구호사업](#) 
- [서비스안내](#) 
- [e-Learning](#) 

공지사항 more >

- 8월 무료교육 실시 2007-08-15
- 수출신용장 불지(e-L/C)를 받기... 2007-08-15
- 전자무역서비스 6월 무료교육 실시 2007-08-15

FAQ more >

- UtradeHub FAQ입니다. 2007-08-15
- UtradeHub FAQ입니다. 2007-08-15
- UtradeHub FAQ입니다. 2007-08-15

UTH 홍보관 more >

- 01 전자무역서비스 사업소개 
- 02 신입사원 이미지, 그녀의 선택 

무역실무매뉴얼	무역용어사전
<ul style="list-style-type: none"> 대뉴원론 영정격증 프그레미드 	<ul style="list-style-type: none"> 모르는 무역용어 바로 찾아! 

환율정보

단위	유로	기타
동화	한입상대	한입상대
USD	950.21	950.21
EUR	1291.93	1241.53
JPY	805.35	796.97
CNY	133.09	118.18
AUD	789.39	782.65

• 고시 : 2007-08-15 14:00



개인정보보호정책 / 저작권정책 / 이용약관 / Contact Us / 고객센터 1566-2119

:: Family Site ::

Copyright 2007 by UtradeHub. All rights reserved.

Objective

- To guarantee openness and interoperability of uTradeHub with international standards so that electronic trade documents may be exchanged among related entities domestically and internationally
- For uTradeHub to illustrate best practices of trade facilitation through national single window platform

Domestic & Int'l Standards

Korea

- Guidelines for development of XML Electronic messages(v3.0), Korea Institute for Electronic Commerce (KIEC)
- KIEC XML CC Library, KIEC

Int'l

- Core Component Technical Specification, UN/CEFACT TMG, 2003
- XML Naming & Design Rules, UN/CEFACT ATG, 2004
- UN/CEFACT Modeling Methodology, UN/CEFACT TMG, 2002

❖ Insurance

- Export insurance
- Credit Evaluation
- Caro insurance

❖ Requirements Certification

- Import requirement certification (customs director)
- Import requirement certification (recommendation)
- Certificate of Origin

❖ Customs

- Customs clearance

❖ Shipping and transportation

- Shipping request
- E-B/L (in progress)
- Cargo delivery
- e-D/O (Master/House)
- Bonded delivery request
- Delivery allocation request

❖ Payment

- Letter of Credit
- e-Negotiation (in progress)

uTradeHub Development & Standardization

<p>uTradeHub Project 1st - 2nd Phase ('05-'06)</p>	<ul style="list-style-type: none"> ▪ Built uTrade Document Repository and electronic LC service system ▪ Developed 102 trade related electronic documents in accordance with domestic and international standards
<p>3rd Phase ('07)</p>	<ul style="list-style-type: none"> ▪ Began standards registration process for the 102 documents developed in the 1st & 2nd phase (April) ▪ Successfully registered uTradeHub documents as Korea's standards ▪ Developing more trade related documents (eg. e-BL) ▪ Designing fallback option of e-document to paper (eg. PDF format)
<p>Dissemination (~'08)</p>	<ul style="list-style-type: none"> ▪ Will move forward to dissemination of uTradeHub domestically and internationally

Standardization Process of uTradeHub

Business Process Analysis and
Documents Standardization

Standards
Registration

Process
Analysis
(‘05.09)

Document
Standardization
(‘06.01 ~ ‘06.12)

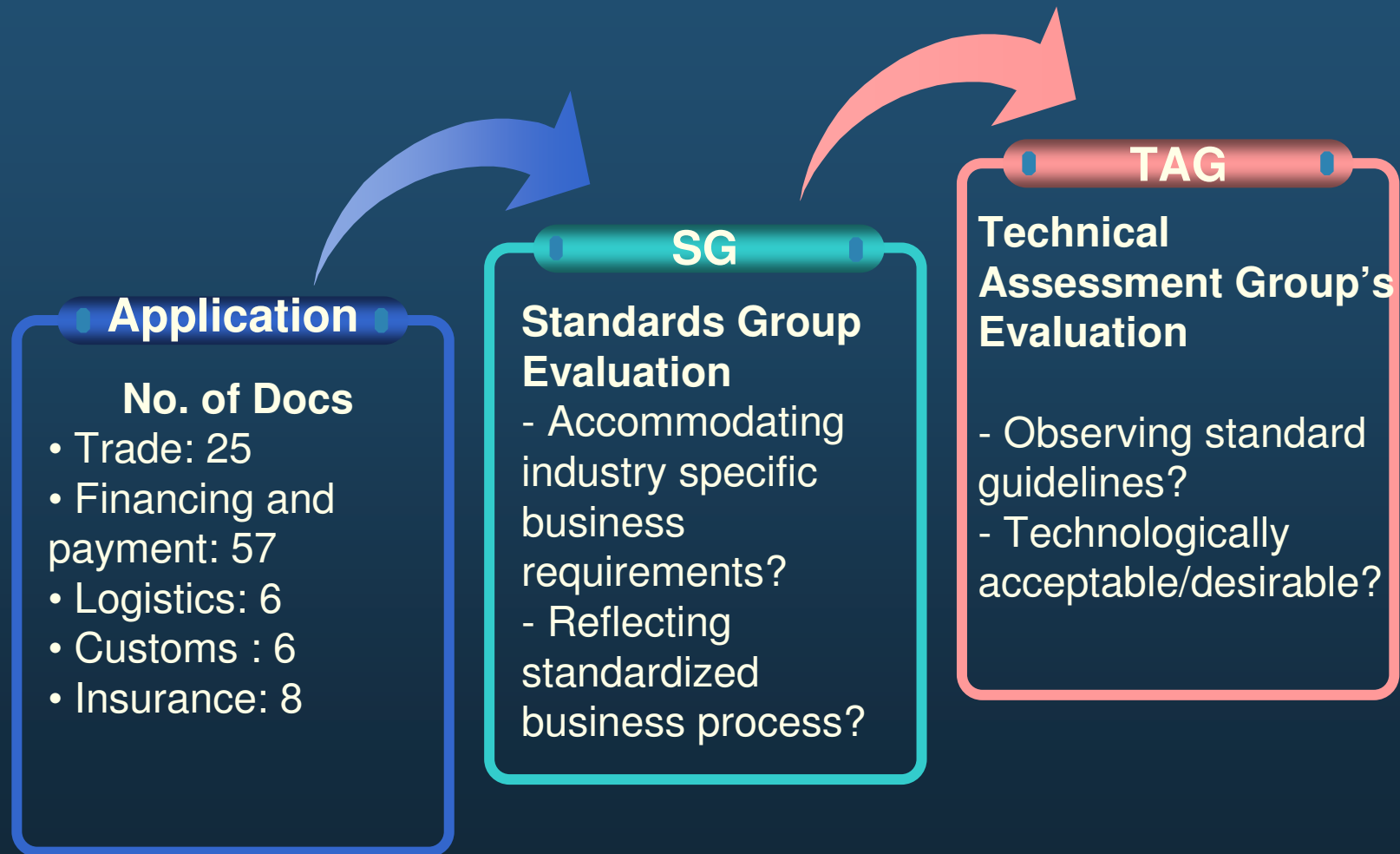
Standards
Registration
(‘07.04~11)

- ✓ Business Process Analysis
- ✓ Selection of docs for standardization

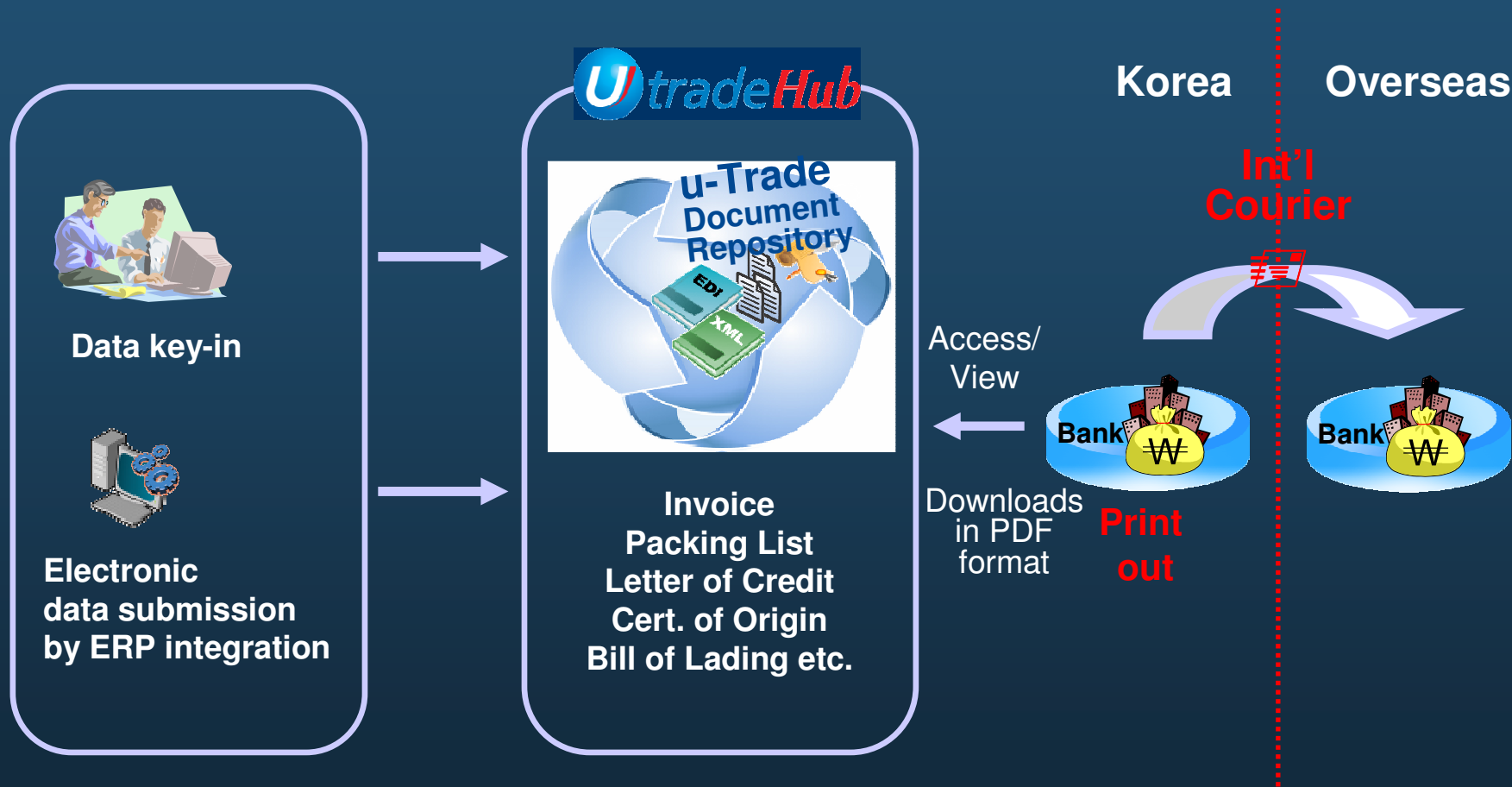
- ✓ Analysis of Docs
- ✓ CC abstraction
- ✓ Document Standardization

- ✓ Standards registration at Korea EDIFACT Committee (KEC)

Standards Evaluation at KEC



Designing Fallback Option to Paper



❖ Continued meetings with Industries

- Meetings and seminars with shippers, shipping lines, forwarders, and banks to analyze the business process and define standard process flow for e-Bill of Lading (B/L)

❖ Standardization of document format

- Create print-out format of document by using both XML data and the pre-registered image of signature, chops, logos, covenant etc. of companies.

❖ For 'digital' service

- e-BL to be stored/kept in uTrade Document Repository (Speculated in the eTrade Facilitation Law)
- Title (ownership) of the e-BL to be managed by the Title Registry (Speculated in the Commercial Law)
- Authenticity Supported by PKI (electronic data) or 2D barcodes (print-out)

❖ Lesson learned

- **Continuously meet with industries**
- **Make them review and comment on the process and documents**
- ➔ **Continuous consultation and reflection of industry opinions made it relatively easy for uTradeHub Docs to be registered as Korean standards**

❖ uTradeHub

- **Implements domestic and international standards**
- **Ready to discuss and test interoperability and exchangeability with other national single window systems**



KITA

Thank You!

www.utradehub.or.kr



*Connecting your business
and the world*