

Single Window Environment – the Vital Tool for Trade Facilitation –



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Workshop on Cross-border Digital Trade for CAREC Countries



Increasing
Trade Facilitation

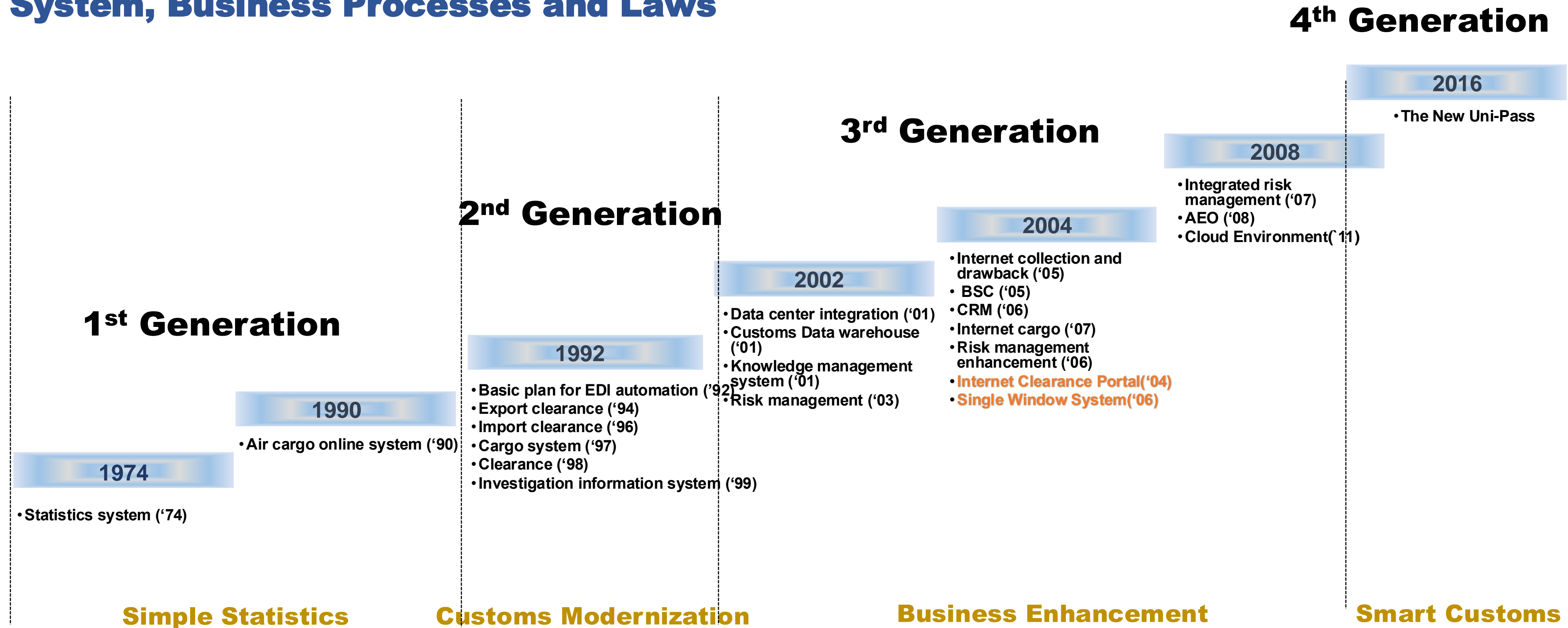
Enhancing
Trade Security

Integrated Services
from the perspectives of Users(Customers)

A Single Window is defined as a facility providing trade facilitation that allows parties involved in trade and transport to lodge standardized information and documents with a single entry point to fulfil all import, export, and transit-related regulatory requirements. Individual data elements should only be submitted once electronically. UN/CEFACT(2023)

KCS' Technology-driven Development

KCS' Customs Digitalization Renovation of System, Business Processes and Laws



KCS' Single Window Environment: UNI-PASS

Customs Automated Systems + Single Gate for managing cross border requirements

Declarants

Customs

Government Agencies/Private

Customs Broker/
Consignor/
Consignee/
Carriers/
Forwarders

Master B/L
Manifest

Electronic Documents
Intermediaries
(KCnet,
KTnet)

Xml

UNI-PASS

Import
Export
Cargo
Investigation
Surveillance

.....
Single
Window
System

Internet
Clearance
Portal

Customs Broker/
Consignor/
Consignee/
Carriers/
Forwarders

Export/Import Declaration and
other Declarations

Xml

40 governments
to share information,
34 governments
to handle regulatory requirements

The Korea Food and Drug
Administration

The National Fisheries Products
Quality Inspection Service

The National Plant
Quarantine Service

National Veterinary Research
& Quarantine Service

The Korea Pharmaceutical
Traders Association

The Korea Medical Devices
Industry Association

Privates:
Terminal operators, companies,
Duty free shops,
guarantee insurance companies
Etc.

UNI-PASS realizes Single Window Environment by providing an integrated environment that enables single submission, sharing information stakeholders

To facilitate trade and reducing cost Single Window System + Internet Clearance Portal

Aug.2003

"ISP for the National Project for Innovation of Comprehensive Logistics Information Service" ,
the 31st task of Korea's e-Government Project

Aug.2004

Task Force team for the implementation of Single Window System
With 8 Agencies for standardization, and legal review

Mar. 2005

Standardization and Legal review
10 Documents(Reducing data elements from 542 to 287

Mar. 2006

Development of 1st Single Window System (8 agencies)

Feb. 2007

Development of 2nd Single Window System(12 agencies)

Jul. 2008

Advancement of Internet Clearance Portal

Dec. 2009~

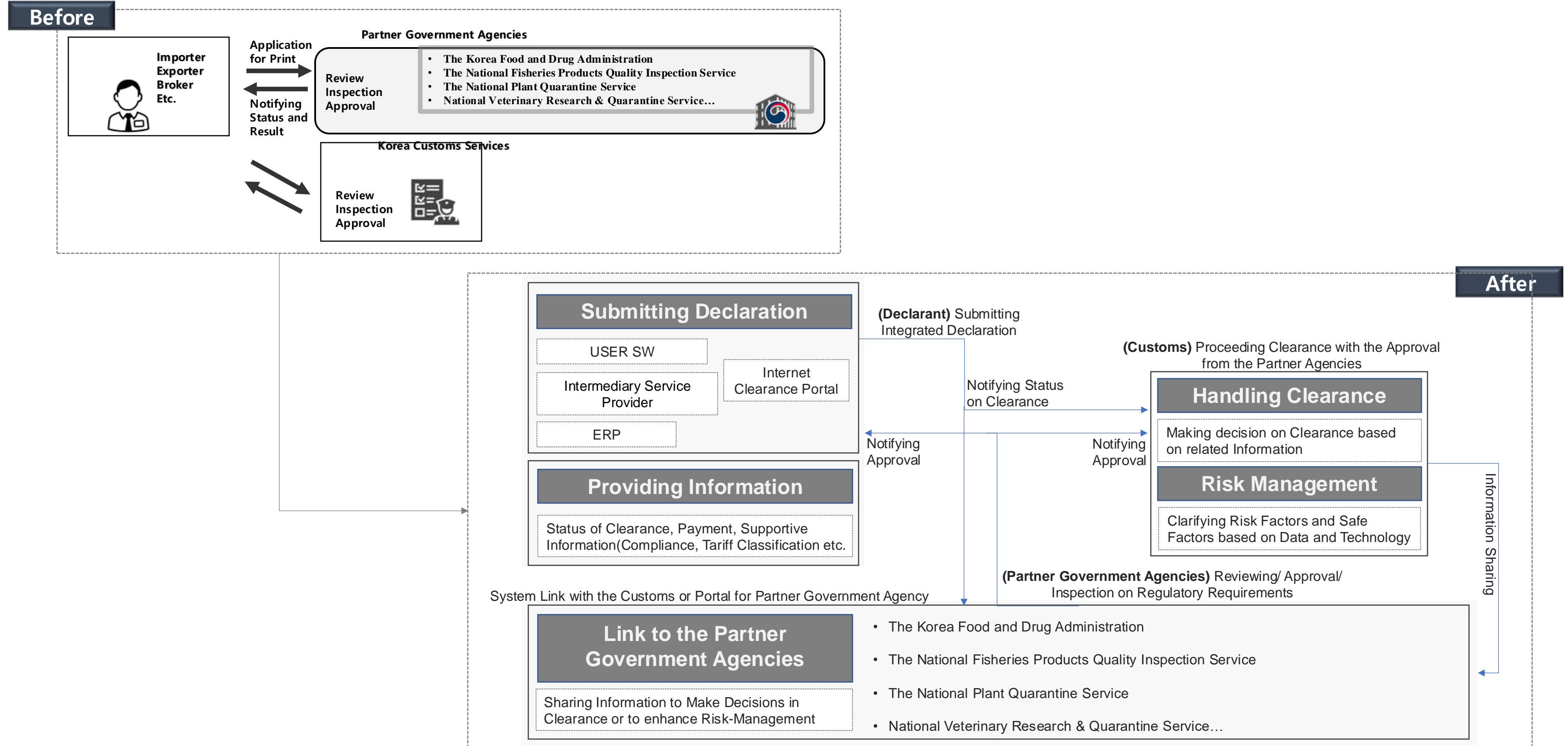
Upgrade Single Window System(3rd to 4th)

2016

The Project for the development of the 4th Generation system -
40 Agencies, (import) 34 laws, 7,1262 items (Export) 12 laws, 1,8389 items

Approaches: Changes from Single Window Implementation

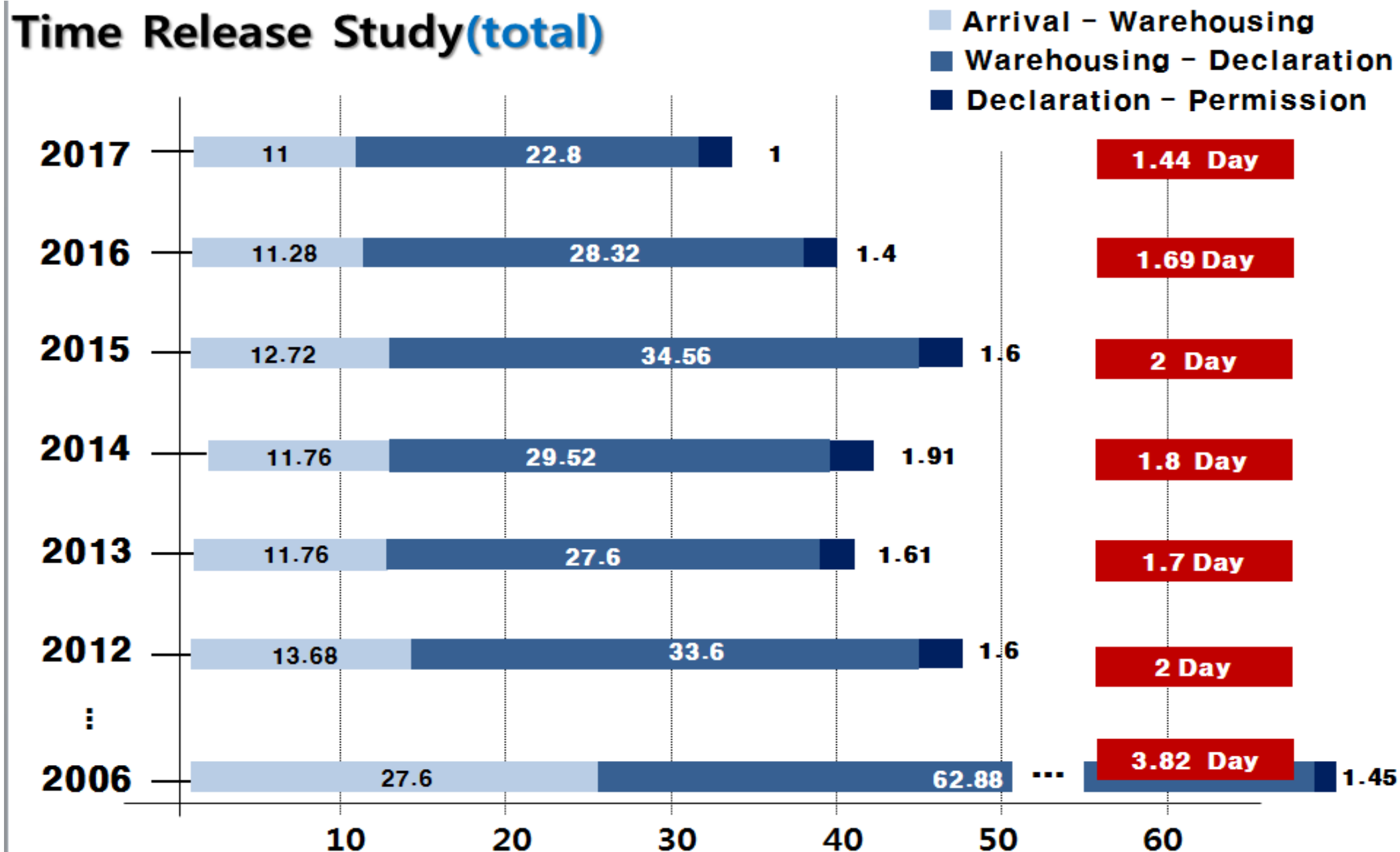
Clearance before vs after single window establishment



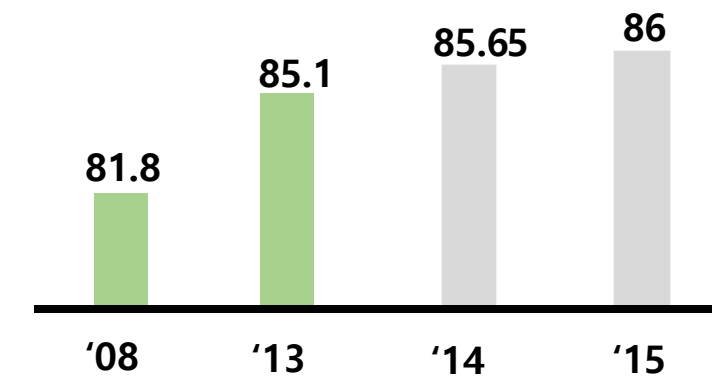
Effects from Single Window Implementation

Facilitation of Trade Flow

Time Release Study(total)



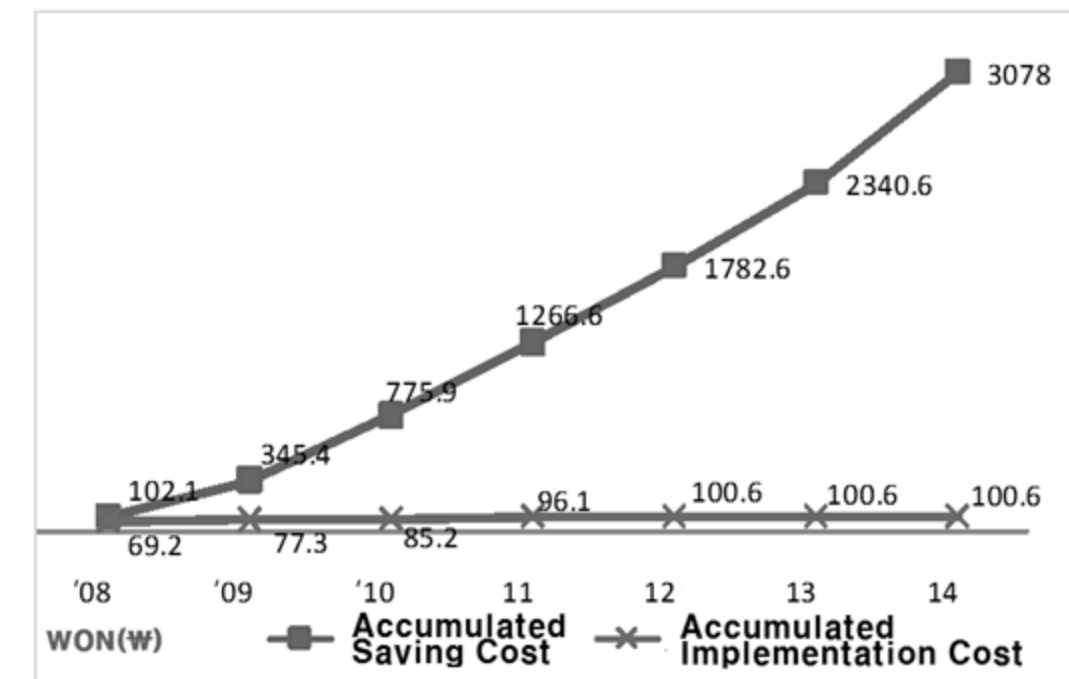
Users Satisfaction



Usage Rate

Year	'06	'07	'08	'09	'10	'11
Usage Rate	4.3	3.9	19.3	67.2	91.6	97.3

Saving Cost



Approaches: Legal Aspects

- ✓ Domestic Animal Infectious Disease Control Law
- ✓ Act on the Prevention and Management of Infectious Diseases
- ✓ Narcotics Control Act
- ✓ Occupational Safety and Health Act
- ✓ Cultural Properties Protection Act
- ✓ High-Pressure Gas Safety Control Act
- ✓ Control of Livestock and Fish Feed Act
- ✓ Special Act on the Safety Control of Imported Food
- ✓ Pharmaceutical Affairs Act
- ✓ Special Act on the Safety of Children's Products
- ✓ Foreign Exchange Transactions Act
- ✓ Wireless Telegraphy Act
- ✓ Chemical Substances Control Act...

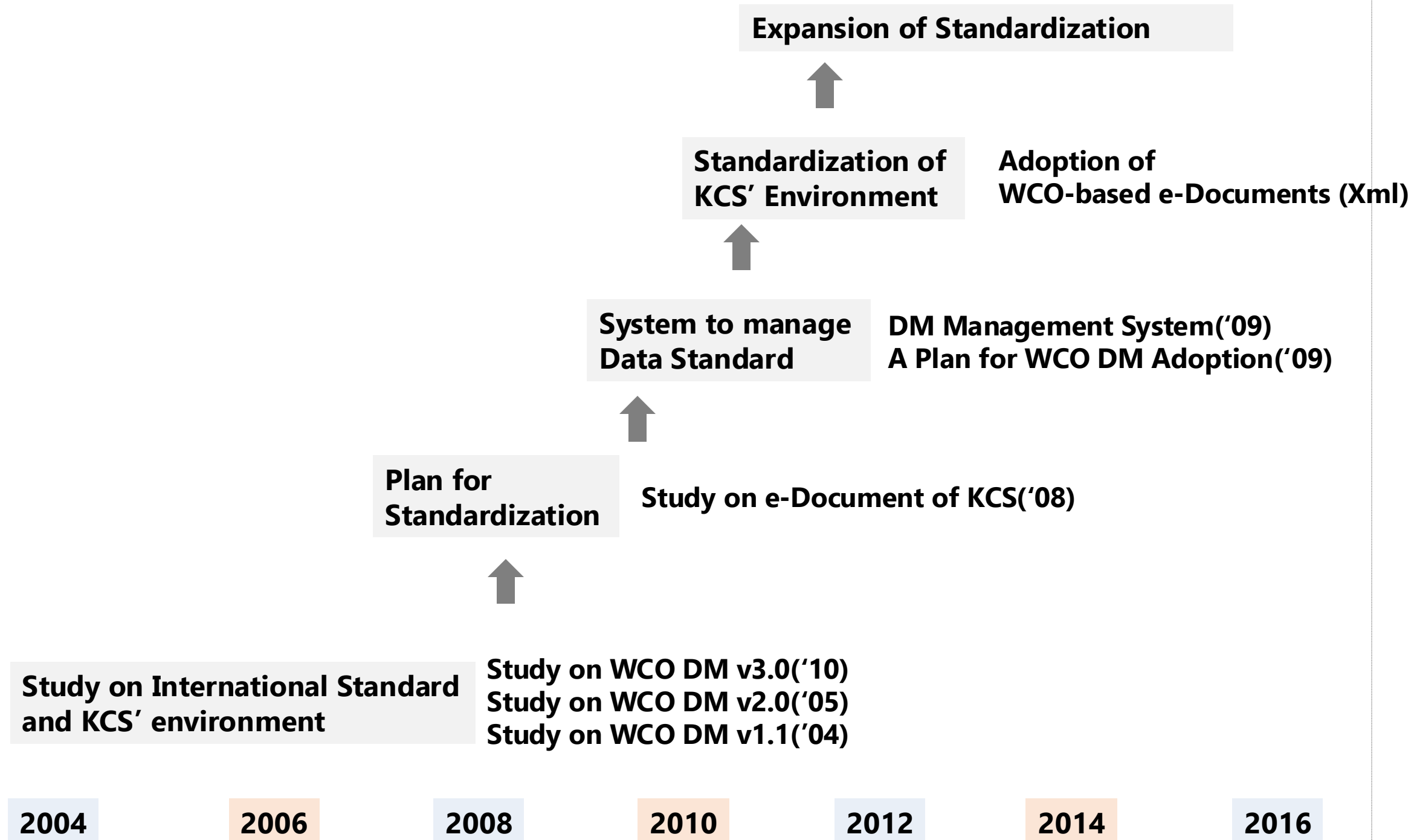
42 Laws
related to requirements for importation or exportation

Approaches: WCO DM, a foundational factor for the standardization

Steps in WCO DM application

WCO DM Adoption : **98.6%** (v3.4)

through the renovation of UNI-PASS in 2016



Changes in WCO DM

WCO Data Model V1.0 (2001)

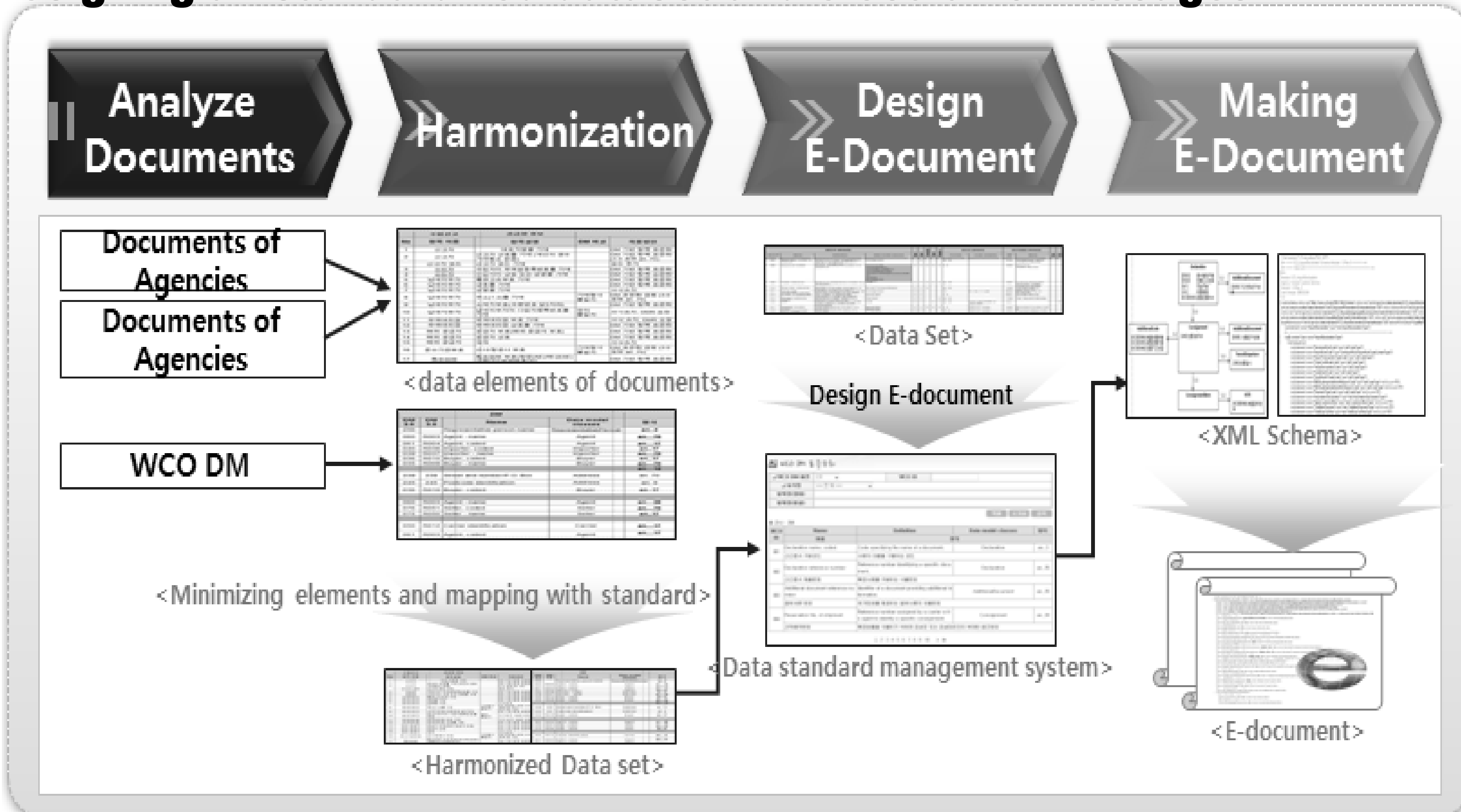
WCO Data Model V2.0 (2001)
UMM(UNCEFACT Business Modeling Methodologies)

WCO Data Model V3.0 (2009)
Emphasize the Single Window Concept with the requirements from cross border regulatory agencies

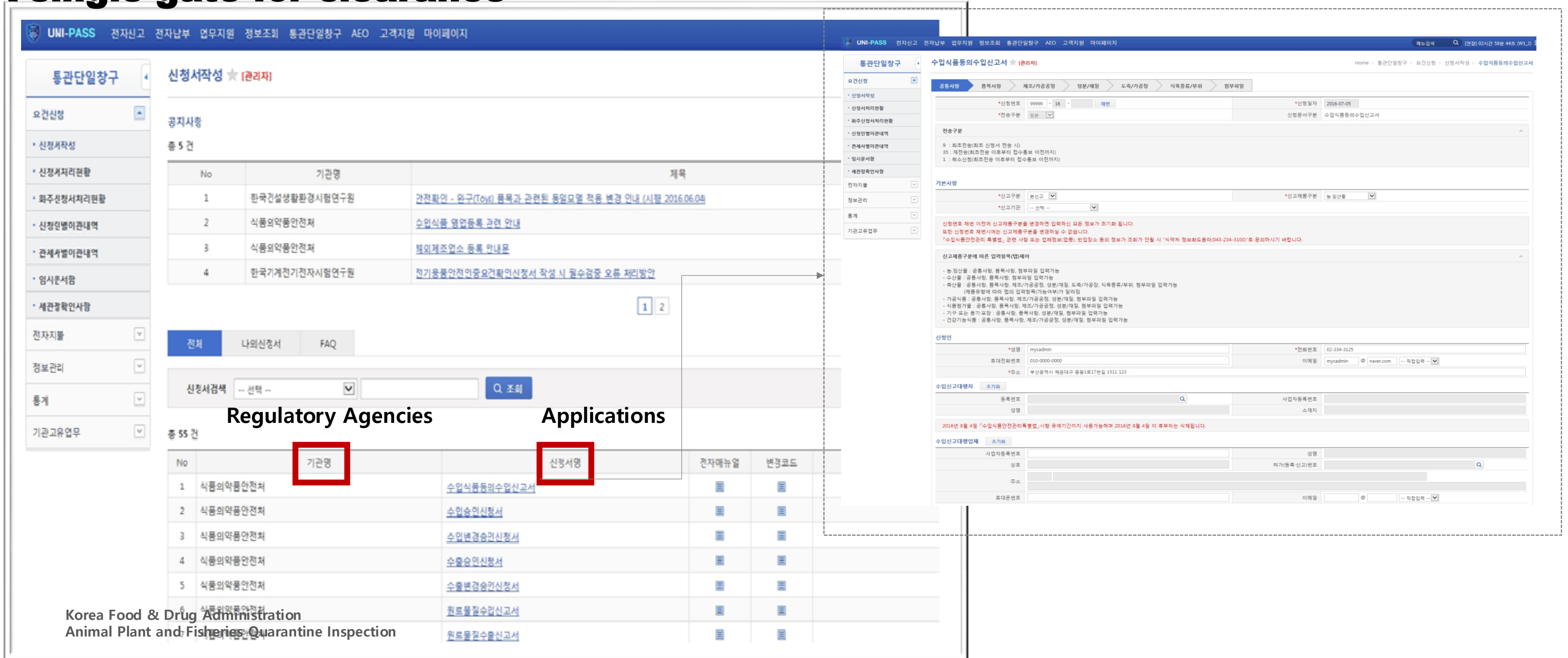
WCO Data Model V4.0 (2023)
Simplified
Json electronic message format
Open API inter change Protocol

Approaches: Establishment of an integrated environment

Designing an standardized dataset and electronic messages



A single gate for clearance



The screenshot displays the UNI-PASS Internet Clearance Portal interface. On the left, a navigation menu includes '통관단일창구' (Unified Clearance Gateway) and '요건신청' (Requirement Application). The main content area is titled '신청서작성 ★ (관리자)' (Application Form Writing ★ (Admin)) and shows a list of '공지사항' (Notices) with 5 items. Below this, there are tabs for '전체' (All), '나의신청서' (My Applications), and 'FAQ'. A search bar for '신청서검색' (Application Search) is present. The 'Regulatory Agencies' table lists various agencies and their corresponding application types, with '기관명' (Agency Name) and '신청서명' (Application Name) highlighted in red boxes. The 'Applications' table shows a list of applications with columns for 'No', '신청서명', '전자매뉴얼' (Electronic Manual), and '본경고도' (Original Notice). On the right, a detailed view of an application form is shown, including fields for '신청번호' (Application No.), '신청일자' (Application Date), '신청구분' (Application Type), and '신청서구분' (Application Form Type). The form also includes a '기본사항' (Basic Information) section and a '신고제출구분' (Declaration Submission Type) section.

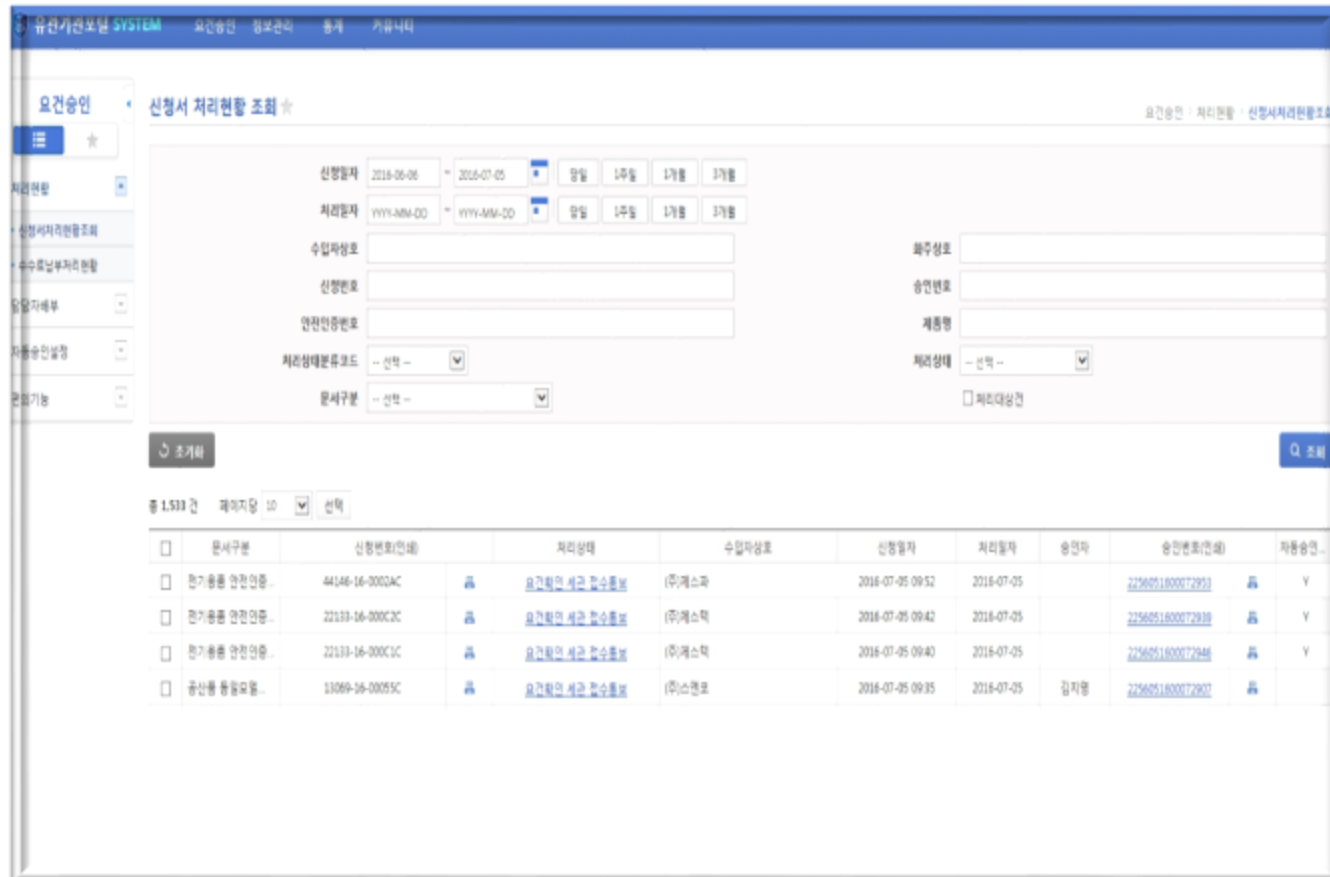
No	기관명	제목
1	한국건설생활환경시험연구원	안전확인 - 원구(Toy) 품목과 관련된 동일모델 적용 변경 안내 (시행 2016.06.04)
2	식품의약품안전처	수입식품 영업등록 관련 안내
3	식품의약품안전처	병의제조업소 등록 안내문
4	한국기계전기전자시험연구원	전기용품안전인증요건확인신청서 작성 시 필수검증 오류 처리방안

No	신청서명	전자매뉴얼	본경고도
1	식품의약품안전처	수입식품등의수입신고서	본
2	식품의약품안전처	수입승인신청서	본
3	식품의약품안전처	수입변경승인신청서	본
4	식품의약품안전처	수출승인신청서	본
5	식품의약품안전처	수출변경승인신청서	본
6	식품의약품안전처	원료물질수입신고서	본
7	식품의약품안전처	원료물질수출신고서	본

Korea Food & Drug Administration
Animal Plant and Fisheries Quarantine Inspection

Providing information related to the status of clearance to stakeholders

The portal for related agencies (16 Agencies)



Connection to government agencies

Connecting Methods

: ebXML, Web Service, FTP, Socket, API, Agent

Connected Organizations

National Tax Service

National Intelligence Service

Ministry of Land, Infrastructure and Transport

Ministry of Oceans and Fisheries

Ministry of Interior and Safety

Korean National Police Agency

Statistics Korea

Ministry of Justice

Ministry of government Legislation

etc.

Other Countries

EODES

Electronic Origin Data
Exchange System

Foundation of Integrated Environment

Global Standards on Technologies

Thank you