Single Window:
Korea Customs’ experiences
Contents

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Single Window Concept
WCO Data Model
Korea customs Single window
Single window internet portal
Benefits
Future direction
Lessons Learned
Single window and WCO Data model
Introduction of WCO

179 Members

WCO Instruments for Trade Facilitation

- Harmonization of Coding & Data
  : HS, WCO DM, UCR
- Standardization of Procedures
  : RKC, SAFE FoS,
  ISCM Guideline, TRS

Customs in 21st Century

New Strategic Direction
Balance between Security and Facilitation
**SW is to unify interface between Government and Trade**
- Examines regulatory controls through eyes of trader

**Various approaches**

| UN/CEFACT Recommendation 33 | Facility for lodging standardized info & docs  
|                             | Single submission |
| CBM                         | Part of inter-agency collaboration |
| Virtual Enterprise          | A legal entity with effective virtual presence  
|                             | - web portals, a network of collaborating |
| Collection of Services      | Service organized into distinct, non-overlapping categories and hierarchies |
“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. If information is electronic then individual data elements should only be submitted once” - 「UN/CEFACT」「WCO, “INTELLIGENT”
1. Export Declr. -> EX1
2. Import Declr. -> IM1
3. Export Manifest -> CRI
4. Import Manifest -> CRI
5. Entry&Departure -> CONV
6. Bonded Trans. -> TRT
Reduced data elements

KCS Data harmonization

After comparing the import clearance declaration and requirements confirmation documents, 12 forms and 590 items were reduced to 213 items based on UN/TDED and WCO CDM V1.1’s item definition eliminating 260 items.

<table>
<thead>
<tr>
<th>Act</th>
<th>Import requirement documents</th>
<th>Total data items</th>
<th>common items</th>
<th>Non-common items</th>
<th>Elimination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processing of Livestock Products Act</td>
<td>Livestock products import declaration</td>
<td>55</td>
<td>27(49%)</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Act on the Prevention of Livestock Epidemics</td>
<td>Animal quarantine application</td>
<td>23</td>
<td>16(70%)</td>
<td>4</td>
<td>3</td>
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<tr>
<td></td>
<td>Livestock products quarantine application</td>
<td>25</td>
<td>19(76%)</td>
<td>4</td>
<td>2</td>
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<tr>
<td>Plant Protection Act</td>
<td>Plants inspection application</td>
<td>52</td>
<td>21(40%)</td>
<td>11</td>
<td>20</td>
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<tr>
<td>Food Sanitation Act</td>
<td>Food products, etc. import declaration</td>
<td>93</td>
<td>22(24%)</td>
<td>30</td>
<td>41</td>
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<tr>
<td></td>
<td>marine products</td>
<td>79</td>
<td>24(30%)</td>
<td>16</td>
<td>39</td>
</tr>
<tr>
<td>Pharmaceutical Affairs Act, Cosmetics Act</td>
<td>Standard clearance schedule report</td>
<td>88</td>
<td>22(25%)</td>
<td>13</td>
<td>53</td>
</tr>
<tr>
<td>Medical Device Act</td>
<td>&quot;</td>
<td>51</td>
<td>15(29%)</td>
<td>9</td>
<td>75</td>
</tr>
<tr>
<td>[dental device]</td>
<td>&quot;</td>
<td>51</td>
<td>15(29%)</td>
<td>9</td>
<td>75</td>
</tr>
<tr>
<td>Pharmaceutical Affairs Act (for animal)</td>
<td>&quot;</td>
<td>28</td>
<td>19(68%)</td>
<td>1</td>
<td>8</td>
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<tr>
<td>Quality Management and Safety Control of Industrial Products Act</td>
<td>Industrial product model certification</td>
<td>48</td>
<td>28(58%)</td>
<td>.</td>
<td>5</td>
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<tr>
<td>Act on control of narcotics</td>
<td>Narcotics trade approval</td>
<td>12</td>
<td>590</td>
<td>213(36%)</td>
<td>102</td>
</tr>
<tr>
<td>11 Acts</td>
<td></td>
<td>590</td>
<td>213(36%)</td>
<td>102</td>
<td>260(47%)</td>
</tr>
</tbody>
</table>
Korea Customs

Single Window
Background

- Need to resolve delays in customs clearance and cut logistics cost caused by duplicate submission of information
- Building Single Window to cut logistics cost and enhance user convenience
- Recommendation by int’l organizations including WCO
- WCO RKC recommends developing Single Window for exchange between the customs and trade
통관소요시간
수입통관
'00년 이전 '13
3시간 이상
1.4시간
20분 이상
2분

수출통관

High level of Logistics cost

< Traders’ Logistics cost to Sales >

Japan 4.8%
US 7.5%
Korea 9.7%
Sweating...

55 Licensing Agencies

KFDA
Fisheries Inspection
Quarantine
Testing service
Ministry
Customs
From paper based to ubiquitous

1970~80's: Paper based
- Export clearance ('94)
- Import clearance ('96)
- Export cargo ('97)
- Import cargo ('97)
- Duty drawback ('97)

1990's: EDI
- Investigation info. ('99)
- Passenger info. ('00)
- Post-management ('01)
- CKM ('01), CDW ('02)

2000's: Web based
- Export clearance ('94)
- Import clearance ('96)
- Export cargo ('97)
- Import cargo ('97)
- Duty drawback ('97)
- Internet declaration system ('04)
- Internet Clearance portal ('05)
- Risk Management System ('05)
- Single Window ('06)

2010's: Ubiquitous
- Internet declaration system ('04)
- Internet Clearance portal ('05)
- Risk Management System ('05)
- Single Window ('06)
UNI-PASS

100% web-based system

Brand Name of KCS’ e-clearance system

UNI - PASS

7 main systems
KCS’ Single Window History

1. Building the Single Window System
   - Period: AUG ‘05 ~ MAR ‘06 (8 months)
   - Scale: 2,600 Mil. KRW (2.16 million USD)
   - Connection with 8 agencies such as KFDA and NVRQS

2. Extending the Single Window System
   - Period: AUG ‘06 ~ FEB ‘07 (7 months)
   - Scale: 1,400 Mil. KRW (1.16 million USD)
   - Connection with 13 agencies (adding 5 more agencies including KTR)

3. Improve the Single Window System
   - Period: JAN ‘08 ~ JUL ‘08 (7 months)
   - Scale: 1,700 Mil. KRW (1.4 million USD)
   - Improving function and service for user convenience
   - Connection with 15 agencies (adding 2 more agencies such as FITI testing and research institute)
4th phase • Period: Jul ‘09 ~ Dec ‘09 (5 months)
• 800 Mil. KRW with 17 agencies (adding 2 more)

5th phase • Period: Jul ‘10 ~ Dec ‘10 (5 months)
• 700 Mil. KRW with 23 agencies (adding 6 more)

6th phase • Period: May ‘11 ~ Dec ‘11 (8 months)
• 1,000 Mil. KRW with 34 agencies (adding 11 more)

7th phase • Period: Jul ‘12 ~ Dec ‘12 (5 months)
• 400 Mil. KRW with 38 agencies (adding 4 more)
One Stop service system processing Customs declaration and OGAs’ regulatory requirements

**Before**

1. Application
2. Approval
3. Import Decl.
4. Approval

**After**

1. Application
2. Import Decl.
3. Single Window (Result notification)
4. Approval

CBRAs

Im/exporters

Customs
- Shift to ex/import declaration & Simultaneous reporting
- Temporary storage
- Processing status search
- Automatic transfer or requirement verification results to customs broker
Single window
Internet Portal
Clearance Single Window Portal

- [http://portal.customs.go.kr](http://portal.customs.go.kr)

**URL of UNI-PASS:**
[http://portal.customs.go.kr](http://portal.customs.go.kr)

File application for requirement verification/import declaration at one entry point through UNI-PASS
<table>
<thead>
<tr>
<th>번호</th>
<th>기관</th>
<th>신청서 작성</th>
<th>비고</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>식품의약품안전청</td>
<td>식품등의수입신고서</td>
<td>미약류 완제/완료</td>
</tr>
<tr>
<td>02</td>
<td>건강기능식품수입신고서</td>
<td></td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>수입물품신고서</td>
<td>수출물품신고서</td>
<td>미약류 완제/완료</td>
</tr>
<tr>
<td>04</td>
<td>수출물품신고서</td>
<td></td>
<td></td>
</tr>
<tr>
<td>05</td>
<td>원료물품 수입신고서</td>
<td></td>
<td></td>
</tr>
<tr>
<td>06</td>
<td>원료물품 수출신폘서</td>
<td></td>
<td></td>
</tr>
<tr>
<td>07</td>
<td>원료물품 수출신고서</td>
<td></td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>식품등의수입신고서</td>
<td></td>
<td></td>
</tr>
<tr>
<td>09</td>
<td>수입물품등(재)규격신고서</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>수출물품등(재)규격신고서</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>절달관계등 후천신청서</td>
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<td></td>
</tr>
<tr>
<td>12</td>
<td>동물수산물등검역검사본부</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>식품검역대상물품 수입신고 및 검사신청서</td>
<td>FAQ 접속</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>식품검역검사신청서</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>수입물품수입신고서</td>
<td></td>
<td></td>
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<td>16</td>
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<td>18</td>
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<tr>
<td>19</td>
<td>한국환경공단</td>
<td></td>
<td></td>
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<tr>
<td>20</td>
<td>수입물품검역신고서</td>
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<td>21</td>
<td>수출물품검역신고서</td>
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<td></td>
</tr>
<tr>
<td>22</td>
<td>방송통신기기안전연합원명령서</td>
<td>인증품 받은 불품</td>
<td></td>
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</table>
Fill in the form (3-1)
Fill in the form (3-2)
중자수입 요건확인신청서(한국중자협회)

<table>
<thead>
<tr>
<th>입력번호</th>
<th>기재항목</th>
<th>용도(세부용도)</th>
<th>HS부호</th>
<th>수량/단위</th>
<th>중량/단위</th>
<th>금액/단위</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>파종용 재료증자</td>
<td>전매용</td>
<td>1209.91-1010</td>
<td>100 L</td>
<td>50 KG</td>
<td>1,000,000 JPY</td>
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</table>

모델 및 규격

<table>
<thead>
<tr>
<th>작물 및 품종</th>
<th>급속</th>
<th>모델명</th>
</tr>
</thead>
<tbody>
<tr>
<td>고추(무수한)</td>
<td>L</td>
<td>Litter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>상태수량 및 단위</th>
<th>상태중량 및 단위</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>KG</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>상태지정</th>
<th>금액지정</th>
</tr>
</thead>
<tbody>
<tr>
<td>JPY</td>
<td>Yen</td>
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</table>

<table>
<thead>
<tr>
<th>입력번호</th>
<th>작물 및 품종</th>
<th>수량/단위</th>
<th>중량/단위</th>
<th>금액/단위</th>
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<tbody>
<tr>
<td>1</td>
<td>보성 (HAPPY 501)</td>
<td>100 L</td>
<td>50 KG</td>
<td>1,000,000 JPY</td>
</tr>
</tbody>
</table>

[1]
Status of application (5-1)
Status of application (5-2)
Transformation(6)
Approval system (7)
Application arrival(8)
### 처리현황

<table>
<thead>
<tr>
<th>번호</th>
<th>처리구분</th>
<th>처리일시</th>
<th>처리담당자</th>
<th>승인담당자</th>
<th>처리내용</th>
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<tbody>
<tr>
<td>5</td>
<td>네트통과</td>
<td>2011-08-05 15:30:06</td>
<td>김미혜</td>
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<td>요건생산번호 2262051100008148...</td>
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<td>4</td>
<td>수입신고서발송</td>
<td>2011-08-05 15:29:05</td>
<td>김미혜</td>
<td>김미혜</td>
<td>S745911000045 수입신고서 발송</td>
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<tr>
<td>3</td>
<td>출입</td>
<td>2011-08-05 15:29:05</td>
<td>김미혜</td>
<td>김미혜</td>
<td>2011S-173 / 수입종자사용계획확인서...</td>
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<tr>
<td>2</td>
<td>접수</td>
<td>2011-08-05 15:07:24</td>
<td>김미혜</td>
<td>김미혜</td>
<td>S745911000045 건이 정상 접수체...</td>
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<td>김미혜</td>
<td>김미혜</td>
<td>제출번호 S745911000045 안 신청...</td>
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### 수선이력

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<tr>
<th>번호</th>
<th>수선구분</th>
<th>수선일시</th>
<th>수선내용</th>
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<td>2011-08-05 15:05:32</td>
<td>신규 신청서</td>
</tr>
</tbody>
</table>
Usage of Single window

Drastic rise of usage rate by improving system function

Usage Rate

- '06: 4.3%
- '07: 6.9%
- '08: 19.3%
- '09: 65.8%
- '12: 97.3%
Benefits
Numbers

38 55 97
Benefits for trade

- Cutting costs by reducing delays, faster clearance
  - Simultaneous application for import requirement confirmation and import declaration reduces required time for customs clearance (1 day → Hours)

- Increased transparency, efficient deployment of resources
Benefits for CBRAs

• Reduce costs and time
  - Economic Effects: 630 billion won ($53M)

• Standardized data, Automated procedures

• Improved trader compliance, RM
Future direction
Currently....

- Standardization on HS Code, Product description
- Integrated application form
- From dual lines(EDI, Web) to web based(Open, free of charge)
Future plan

- Develop more advance customs-oriented services
- Link with G2B & B2B networks such as the logistics networks
- Introduce international standards such as Customs Data Model
- Implement GSW System (Data exchange with other countries)

e-Customs contributing to international trade facilitation and safety
Global Single window

Export Country

Separated Responsibility

AS-IS

Inland Mgt.

Disconnected

Import Country

Responsibility for Security & Facilitation within import country

Inland Mgt.

Global Logistics Management

Export Country

Shared Responsibility for Security & Facilitation in Global Mgt

TO-BE

Improved Security & Facilitation in Global Mgt

Import Country
Lessons Learned

Success Factors

- Strong political support
- Completion of e-Customs Plan
- Sufficient budget allocation
- Active support from private
- Free of charge (internet-based)
- Customer-oriented services
- Low maintenance expenses
- Phased implementation

Factors to addressed

- Lack of best practices
- Compete with OGAs
- Data ownership
- Inconsistent government policy
- Data standardization
- Inconvenience at the early stage
- Not mandatory
Thank You!

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