KCS experiences of

Single Window Establishment

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National Single Window of Korea
Data Exchange with the Philippines

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National Single window of Korea

Diagram showing the flow of information from different stakeholders (Air Carrier, Sea Carrier, Customs Broker/Consignor/Consignee, Forwarder) to the KOREA Customs Single Window, which integrates various services through Uni-Pass and Internet Clearance Portal. The diagram includes connections to different providers (Plism, KINET, ePlatform) and information sources (Distribution record of Agricultural product, Information of parcel, ID of defaulters, VAT invoice, etc.).
Objectives & Scope

• To share knowledge, experience, and technology on trade facilitation and security between the two countries.

• To provide the necessary support for the pilot application of international standards on trade facilitation and security between the two countries.
Target Consignment Cargo between Busan and Mania
Target Items 32 Items of export data
Key value House B/L, UCR
Participants Dong In Co, Korab, HanJin
Frequency of transmission Real time
Data standard WCO DM v2.0
Message service protocol ebXML Messaging Service Specification
Communication protocol HTTPS v1.1 POST
Transmission method Push-Receive
Data Security PKI (Public Key Infrastructure), SSL
E-Signature ebXML XMLDSIG
Data analysis Risk Management,

Outline of the Project

Import Declaration

crosschecking

Received Document
<table>
<thead>
<tr>
<th>NO</th>
<th>WC OID</th>
<th>Name</th>
<th>Definition</th>
<th>Format and Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>001</td>
<td>Declaration name, coded</td>
<td>Code specifying the name of a document</td>
<td>EDIFACT Codes (1001)</td>
</tr>
<tr>
<td>2</td>
<td>002</td>
<td>Declaration reference number</td>
<td>Reference number identifying a specific document</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>017</td>
<td>Message function, coded</td>
<td>Code indicating the function of a document</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>047</td>
<td>Customs office of exit, coded</td>
<td>To identify the customs office at which the goods leave or are intended to leave the customs territory of dispatch</td>
<td>UN/LOCODE (3225)</td>
</tr>
<tr>
<td>5</td>
<td>085</td>
<td>First port of arrival, coded</td>
<td>To identify the first arrival location. This would be a port for sea, airport for air and border post for land crossing</td>
<td>UN/LOCODE</td>
</tr>
<tr>
<td>6</td>
<td>160</td>
<td>Identification of means of transport crossing the border</td>
<td>Name to identify the means of transport used in crossing the border</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>156</td>
<td>Departure date and time</td>
<td>Date and time of departure of the means of transport</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>175</td>
<td>Nationality of means of transport crossing the border, coded</td>
<td>Nationality of the active means of transport used in crossing the border, coded</td>
<td>ISO 3166-2 2-alpha code</td>
</tr>
<tr>
<td>9</td>
<td>167</td>
<td>Identification of means of transport crossing the border, coded</td>
<td>Identifier to identify the means of transport used in crossing the border</td>
<td>ITU Standard or Lloyd's number</td>
</tr>
<tr>
<td>10</td>
<td>149</td>
<td>Conveyance reference number</td>
<td>To identify a journey of a means of transport, for example voyage number, flight number, trip number</td>
<td></td>
</tr>
</tbody>
</table>
Outcomes

  - Send: 2,404 messages
  - Receive: 1,755 messages

• Data analysis for Risk Management
  - Clearance: Accuracy of declaration
  - Investigation: Weights
  - Audit-HS code: tariff, Country of Origin

• Export cargo tracking using CSD & UCR

• Applying international standards
  - UCR, WCO DM
Lessons

• Necessity of pre-scrutiny of environments
  [work process, clearance process and trade volume]
  - Undefined process of exchanging data
  - Undefined the definition of real time & data elements
  - Not enough volume of trade

• Necessity of Resources
  - Necessity of independent budget and team for the project

• Necessity of Collaboration
  - Department, Private sector, Country

• Etc...Language Issues, data confidentiality
Solutions & Future Plan

• Data Exchange System
  - Extracting data from the Uni-Pass
  - Transmitting data on the technical specification
  - Managing the history of data exchange

• UCR
  - Facilitation of UCR
  - UCR based on the ISO standard

• Current Projects