

Session 5: Use of IT



Information exchange, interoperability & regional Single Window



Observations

- Use of Information & Communications Technology
 - Increasingly commonplace
- Key enabler for Customs modernization
 - Electronic clearance
 - Exchange of certificates
 - Coordinated Border Management
 - Electronic Single Window Environment



Observations

- Regional Integration Projects
 - ASEAN
 - CEFTA
 - EAST AFRICA COMMUNITY
 - EURASIAN ECONOMIC UNION
 - EUROPEAN UNION
 - SOUTH AFRICAN CUSTOMS UNION
 - MERCOSUR



Interoperability

- **Interoperability**: *“the ability of disparate and diverse organizations to **interact** towards mutually beneficial and agreed **common goals**, involving the **sharing** of **information and knowledge** between the organizations, through the **business processes** they support, by means of the exchange of data between their respective **ICT systems**”*
 - Legal Interoperability
 - Organizational Interoperability
 - Semantic Interoperability
 - Technical Interoperability



Globally Networked Customs

<u>Layer</u>	<u>Description of Layer</u>	<u>Area of Inter-operability</u>
Name of the Block	The name of the Utility Block being developed	
Purpose	What the block is supposed to do.	Organizational
Legal Framework	The law, including the instrument providing the legal gateway.	Legislative
Entities	Those who can send/receive information, and the methods of identifying them.	Organizational
Business Rules	The specific rules for the UB. If not described elsewhere, includes relevant Protocols, Standards and Guidelines.	Organizational
Data Cluster	The list of data elements for the UB	Semantic
Triggers	Events that either start the data flow, or respond to data receipt	Organizational / Technical
Interface	How the parties in a GNC relationship are connected	Technical
Integration	How a GNC partner connects to its own systems	Technical
Communication	The electronic means of exchanging information	Technical
Advantages	Benefits delivered to: Customs, Business and Other Agencies	



Globally Networked Customs

- Legal Toolbox
 - Article 1 Automatic exchange of information for risk management purposes
 - Article 2 Utility blocks
 - Article 3 Use of information
 - Article 4 Confidentiality and protection of information



Globally Networked Customs

- **Utility Blocks**

- South Africa IT Connectivity Project: Exchange of information between South Africa and Swaziland;
- INDIRA System: Exchange of information between Argentina and Ecuador and Mexico;
- MRA Mutual Recognition: Exchange of information between EU and USA;
- Mutual Recognition of Control: Exchange of information between EU and Switzerland;
- SEED: Exchange of information between Serbia and Customs Administrations in the Balkans.



WCO Data Model

WCO Data Model Components

WCO Class Library

- ClassLibrary
 - Data Model; R1

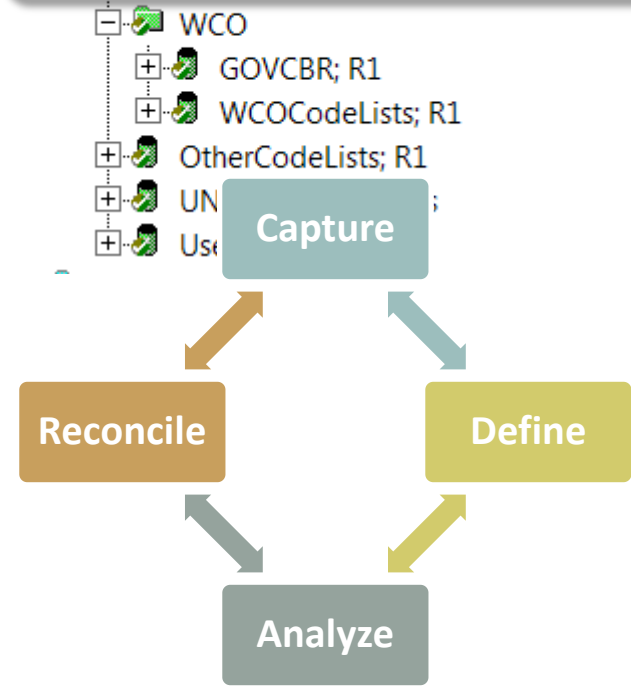
WCO Information Packages

- BaseInformationPackages
 - Declaration; R1
 - InterGov; R1
 - LPCO; R1
 - MetaData; R1
 - Response; R1
 - DerivedInformationPackages
 - DV1; R1
 - GuaranteeOperation; R1
 - IMO; R1
 - SAD; R1
 - Value

Code Lists

- Code lists
- Distribution

- Declaration
- Intergov
- Response
- LPCO



EDIFACT

- WCO
 - GOVCBR; R1
 - GOVCBR; R1; Response

XML

DerivedInformationPackages

- DV1; R1
- GuaranteeOperation; R1
- IMO; R1
- SAD; R1
- Value

UserDocuments

- WCOClassU

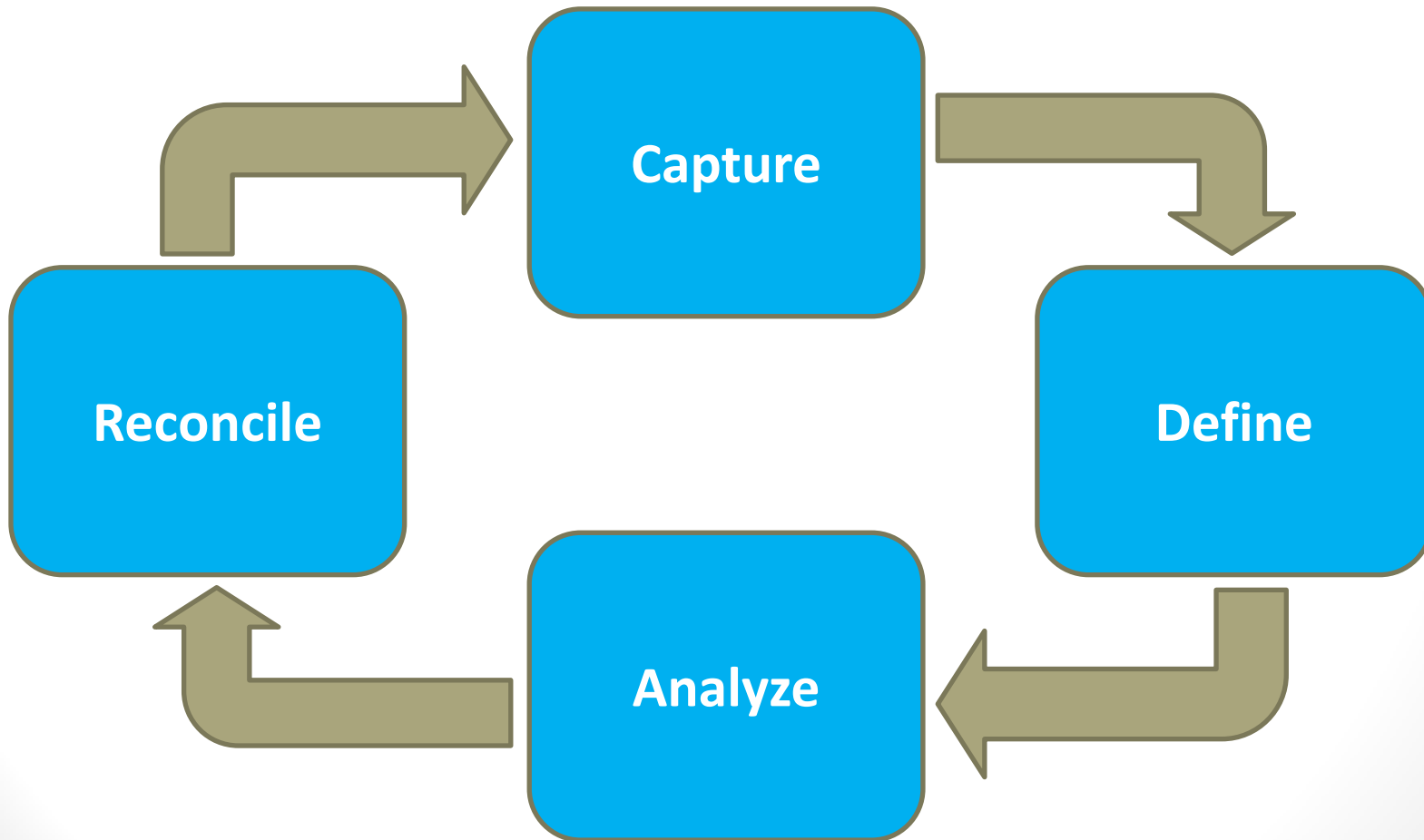
File Properties:

- GEFEG.FX archive (*.zef)...
- GEFEG.FX meta file...
- WCO 3.3 GEFEG.FX XML schema...
- WCO GEFEG.FX XML schema...



WCO Data Model

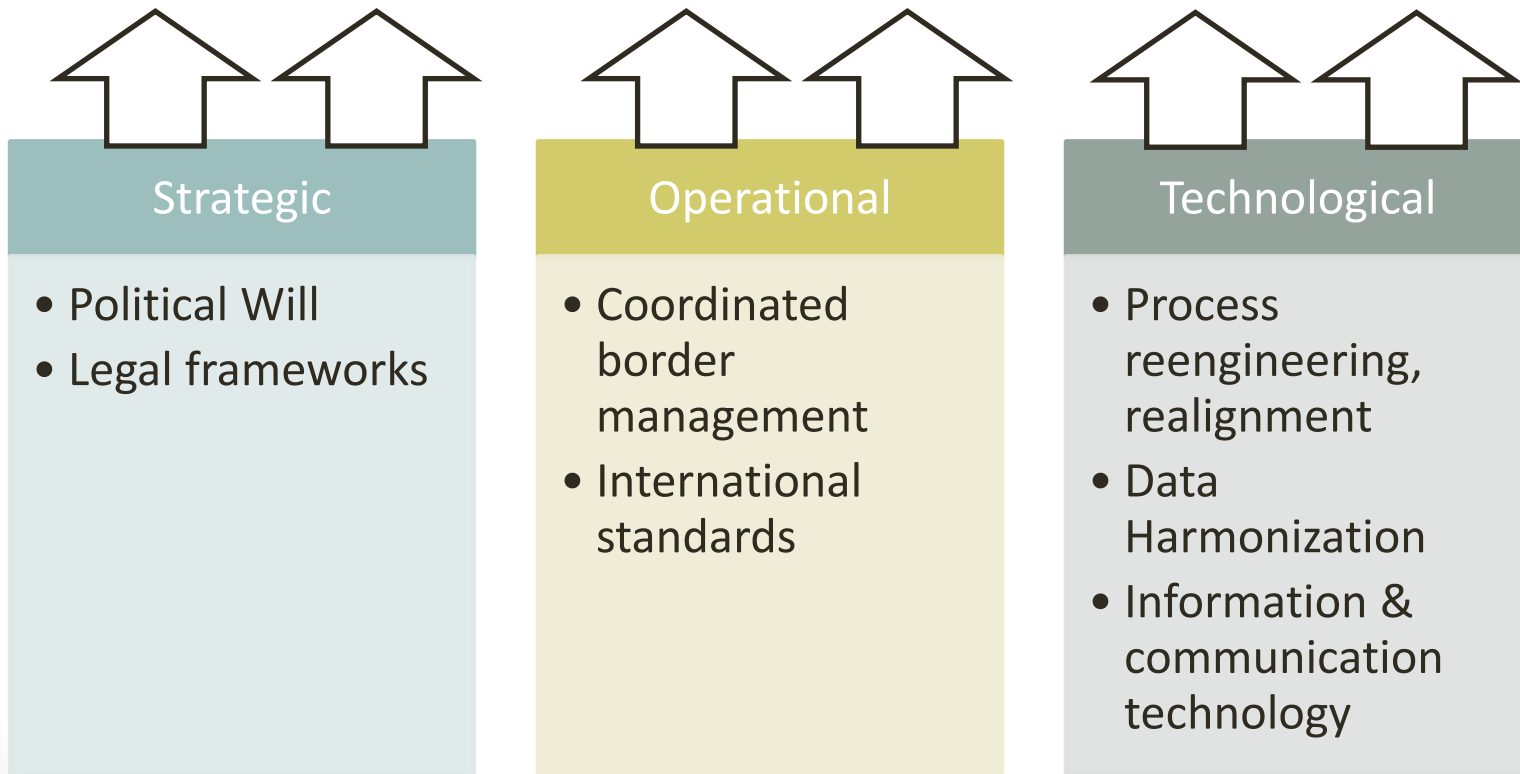
Data Harmonization





Synthesis

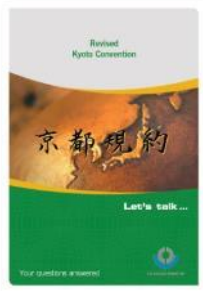
Regional Economic Competitiveness





Regional Single Window(s)? WCO tools, instruments & guidelines

- Not a system, but an environment



Revised Kyoto Convention



SAFE Framework of Standards



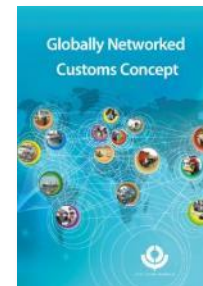
Time Release Study Guide



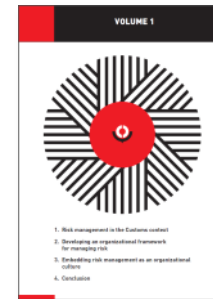
Single Window Compendium



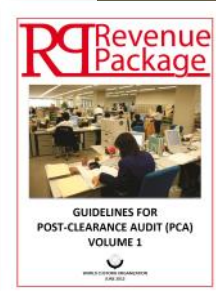
Data Model



Globally Networked Customs



Risk Management Compendium



Post Clearance Audit Guidelines



CLiKC



Project Map Database



Capacity Building Development Compendium



Coordinated Border Management Compendium



Transit Handbook



Customs/Business Partnership Guidelines