MONGOLIAN CUSTOMS: SEW and BCP

Workshop of CAREC National Joint Transport and
Trade Facilitation Committees
Bangkok, 27-28 January 2011

Content

- **Mongolian National Single Electronic Window**
  - Background
  - Architecture
  - Technical Reference
  - Milestones
  - Resourse requirements
  - Capacity Building
- **BCP Infrastructure Development**
  - BCP's on CAREC 4a and 4b corridor s
  - Bulgan BCP
  - Zamiin-Uud BCP
  - BCP Investment Proposal
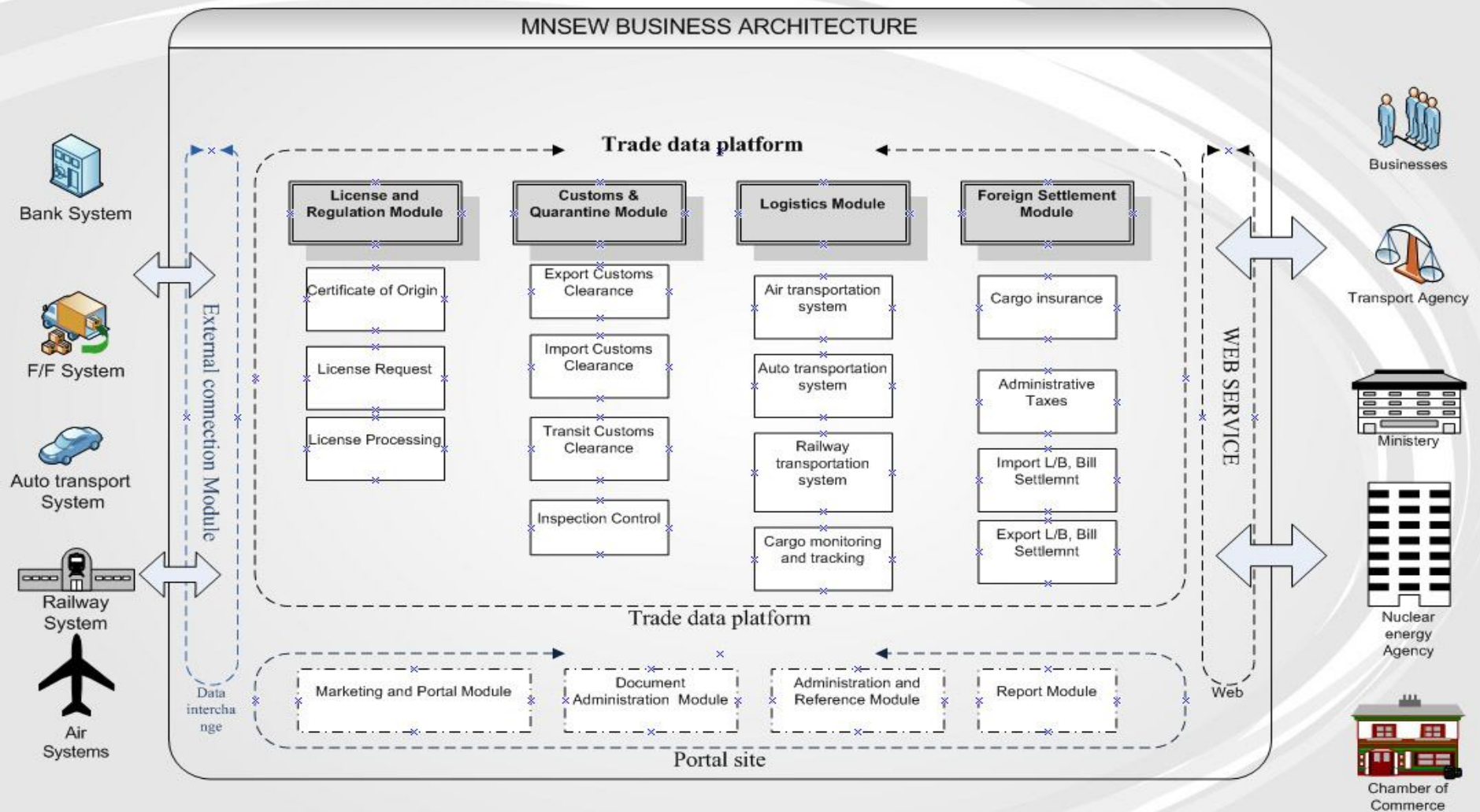 - Importance of Joint Border Area Development Committee

Background

- WCO-XXI Century Customs: Globally Networked Customs

- 1 May 2009 - Establishment of joint working group for MNSW with members of MCGA and MNCCI

- 29 Sep 2009 - "National Workshop on Establishing a Single Window in Mongolia with ESCAP, UNECE"

- 15-17 Dec 2009 - "Launch of the Implementation Master plan for Mongolia's Single Electronic Window"
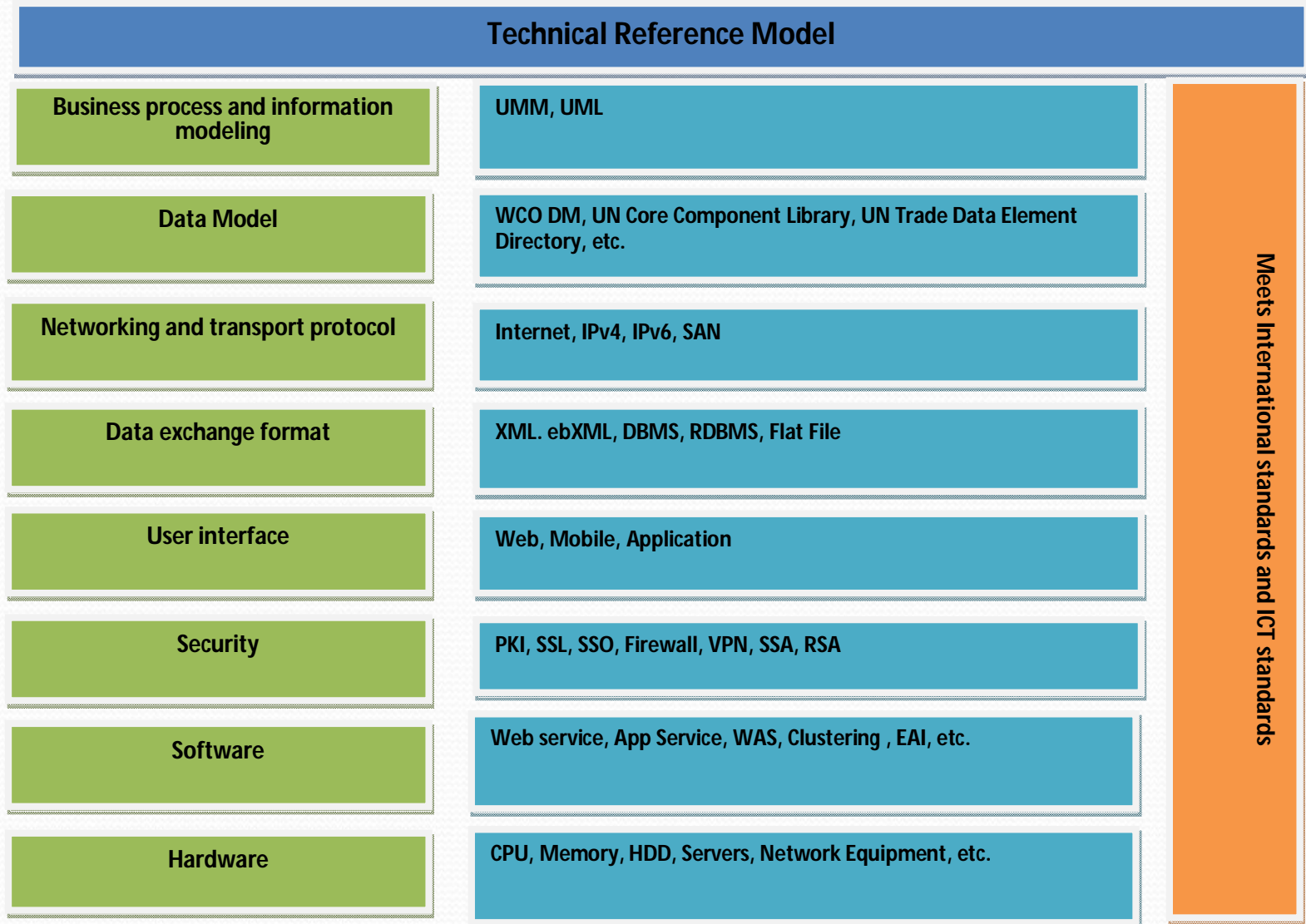
Background

- March 2010 - Meeting with Traders and OGA supported by the Ministry of Foreign Affairs
  - Output: Body of Draft Master Plan
- 17 September 2010 - Feasibility study kick-off ceremony by KTNET (NIPA)
- 27 September 2010 - MNSW Master plan draft by Joint WG and UNESCAP
- 4 October 2010 - MNSW Master plan review meeting organized by the UNESCAP with the participation of UNNEXT experts in Malaysia
- 5 January 2011 - revised Master plan

MNSW Architecture

MNSEW BUSINESS ARCHITECTURE

Trade data platform

Bank System

F/F System

Auto transport System

Railway System

Air Systems

External connection Module

Data interchange

License and Regulation Module	Customs & Quarantine Module	Logistics Module	Foreign Settlement Module
Certificate of Origin	Export Customs Clearance	Air transportation system	Cargo insurance
License Request	Import Customs Clearance	Auto transportation system	Administrative Taxes
License Processing	Transit Customs Clearance	Railway transportation system	Import L/B, Bill Settlemnt
	Inspection Control	Cargo monitoring and tracking	Export L/B, Bill Settlemnt

Trade data platform

Marketing and Portal Module	Document Administration Module	Administration and Reference Module	Report Module

Portal site

WEB SERVICE

Web

Businesses

Transport Agency

Ministery

Nuclear energy Agency

Chamber of Commerce

Technical Reference Model

Technical Reference Model		
Business process and information modeling	UMM, UML	Meets International standards and ICT standards
Data Model	WCO DM, UN Core Component Library, UN Trade Data Element Directory, etc.	
Networking and transport protocol	Internet, IPv4, IPv6, SAN	
Data exchange format	XML. ebXML, DBMS, RDBMS, Flat File	
User interface	Web, Mobile, Application	
Security	PKI, SSL, SSO, Firewall, VPN, SSA, RSA	
Software	Web service, App Service, WAS, Clustering , EAI, etc.	
Hardware	CPU, Memory, HDD, Servers, Network Equipment, etc.	

Application of the international standards

- Application of the international standards
  - maximize interoperability of the MNSW with other domestic systems
  - Interoperability with overseas Single Window facilities.
- WCO DM version 3.0, UN Core Component Library, UN Trade Data Element Data Directory, etc.
- compatibility with exiting systems is important
  - prevent the possibility of re-invention
  - save time, cost and efficiency

Key Milestones

Milestone	Timeline
Advertise and introduce to the public on mass media and conduct training and workshop for all related stakeholders and entrepreneurs in order to improve awareness and prepare capacity building	On-going
Develop the draft MNSW Master Plan and get it reviewed by international experts for improvement	Oct. 2010
Build consensus on the improved MNSW Master Plan among national stakeholders and finalize it	Jan. 2011
Submit the finalized master plan on MNSW to the Government and get it approved by the Parliament	Jan. 2011
Formulate MNSW Steering Committee and 4 Working Groups	Jan. 2011
Establish an organization responsible for implementation and operation	Mar. 2011
Organize a donors meeting in to secure financial resource required for implementation	Apr 2011
Implement the activities of 4 working groups	On-going
Launch the MNSW implementation and organizing an official opening ceremony	Dec. 2011

Resource requirements

Category	Sub-Categories	Amount (USD)
Hardware	Data interchange	
	Portal site	
	Trade data platform	
Software	Data interchange	
	Portal site	
	Trade data platform	
Netware	Ulaan Baatar	
	Zamiin uud	
	Selenge	
	Other	
Human Resource	Application development	
	Training	
	Manuals/Training materials	
Interface with Existing System(s)	CAIS	
	Logistic systems /UB Railway, MIAT, etc.	
	OGAs	
Capacity-Building of Stakeholders	PC	
	Training (onside / offside)	
	Promotion	
Total	-	

Resource Mobilization for Implementing the MNSW Facility

Type	Source	Amount (USD)	Percentage
Grant	Donors		
Loan	Donors		
Self-Finance	Government		
Total	-		

CAPACITY BUILDING

- "Customs Modernization" project: one of the lessons learned: importance of having experienced IT personnel as well as train users of the system in advance and in the course of the project implemention

- SEW: Establish the training mechanism for all CAREC countries

BCP's on CAREC 4a and 4b Corridor

CENTRAL ASIA REGIONAL ECONOMIC COOPERATION
CORRIDOR 4

4a. Bulgan BCP

4a. Bulgan BCP

4a. Bulgan BCP

- Opened: 4 July 1991

- Location: Khovd province located 1600km far from Ulaanbaatar city

- Becomes permanent BCP starting from
13 January 2011
- Neighboring BCP – Takashiken BCP, PRC

Investment proposal

BCP	General plan	Actions
Bulgan BCP	- BCP development master plan and drawings – need for International Consulting Services - Development of infrastructure - Renewal of the equipments - Construction of access roads, etc.	**Infrastructure works** - Logistic Terminal – approx. 20 mln USD - 12 tenant apartment - Temperature controlled warehouse and storage 120м2 - Shower facility 60 м2 - Laboratory building - X-ray complex - Inspection board on incoming and outgoing traffic **Renewal of the equipments** - 150 tons scale - Loading and unloading equipment - Truck X-ray - Physical examination equipment /Secure-1000/ - Small luggage x-ray -Laboratory equipments, etc.
ESTIMATED COST …..		

4b. Zamyn-Uud BCP

Замын үүдийн авто замын
шалган нэвтрүүлэх цогцолбор
2009.01.14

4b. Zamyn-Uud BCP

Замын үүдийн авто замын
шалган нэвтрүүлэх цогцолбор
2009.01.14

4b. Zamyn-Uud BCP

Замын үүдийн авто замын
шалган нэвтрүүлэх цогцолбор
2009.01.14

4b. Zamyn-Uud BCP

- Opened: 1923

- Permanent BCP with railway and auto road

- Location: Dornogobi province located 750 km far from Ulaanbaatar city.

- Neighboring BCP – Erlian BCP, PRC

Investment Proposal

BCP	General plan	Activities
Zamiin-Uud BCP	- Infrastructure development - Renewal of the equipments -Construction of access roads and parking areas - Construction of multimodal transportation facilities , etc.	-Logistic Terminal -Construction of Customs Training branch office – approx. 5 mln USD - Build 32 tenant apartment - Expansion of the inspection complex building - Expansion of the steam-stove building - Bore artesian well, reservoir with 50м3 capacity, build pumping plant - Change of the 10 km optic cable and communication line -Installation of the loading and unloading equipment, etc.
	ESTIMATED COST ….	

Bilateral Cooperation

- Mongolia-PRC Joint Customs Control Initiative started in 2009
  - Pilot JCC – aligned manifest between Zamiin-Uud and Erlianhaote
- JCC Working group meeting planned for late Feb 2011
  - Harmonization of the BCP infrastructure
  - Replication of JCC at other selected BCPs (Bulgan-Takashiken)
  - BCP Infrastructure Development in paralel with JCC
- Enhanced coordination in border area development under the RETA 6370
  - Establishment of a Joint Border Area Development Committee
  - Conduct cross-border dialogues for better planning and management of border area development

Thank you for your attention !

D.Oyunchimeg Dash

Deputy Director General

Customs General Administration of Mongolia

Ikh toiruu 81/1, Sukhbaatar district

Ulaanbaatar 210620, Mongolia

Email: d_oyunchimeg@ecustoms.mn