



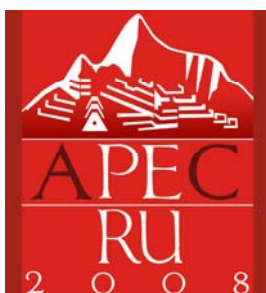
**Asia-Pacific  
Economic Cooperation**

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**2008/SCCP/SWWG/010**

## **Regional Single Window and National Single Window**

Purpose: Information  
Submitted by: Philippines



**Single Window Working Group Meeting  
Singapore  
28-30 January 2008**

# Regional Single Window and National Single Window

Deputy Commissioner Reynaldo Nicolas  
January 30, 2008

## Outline of Presentation

- Pilot Implementation  
Regional/Global Single Window
- NATIONAL SINGLE WINDOW  
(NSW) ICT Applications
- Tools for Implementation



# Philippines - Thailand

*Letter of Commitment*

*Test Plan*



## **Actors**

**Dept. of Foreign Trade**

**Bureau of Customs**

**Royal Thai Customs**

**ASEAN Secretariat**

**Experts and Developers**

**APRIS**



## Technical Requirements

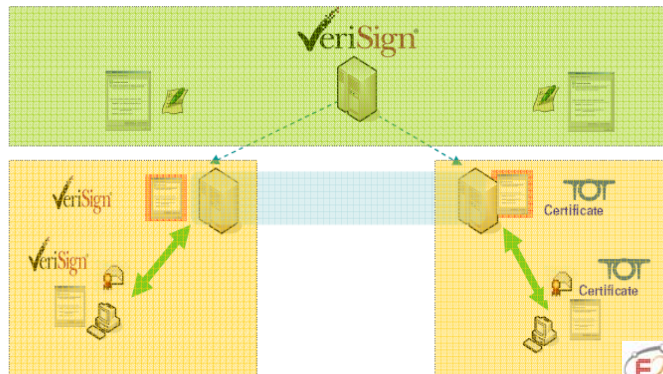
1. e-documents to be exchanged
  - Export Declaration XML
  - CEPT Form-D XML
2. Security Framework
  - PKI implementation
  - 128-bit data encryption
3. Communication Protocol
  - ebMS Version 2.0



### PKI CONFIGURATION

[www.customs.gov.ph](http://www.customs.gov.ph)

[www.thailandnationalsinglewindow.com](http://www.thailandnationalsinglewindow.com)



## CEPT Form-D

No.	DATA ELEMENT	DESCRIPTION	DATA TYPE
1	Reference Number	CEPT Reference Number	String (20)
2	Issuance Site (Full name)	Identification of Issuing Office	String (35)
3	Issuance Date	Date of Issue for CEPT	Date
4	Exporter Name	Exporter Name	String (255)
5	Exporter Address	Exporter Address	String (255)
6	Importer Name	Importer Name	String (255)
7	Importer Address	Importer Address	String (255)
8	Item No.	Line Item No.	Number (4)
9	Country Code	Importer Country Code	String (2)
10	HS Code	HS Code	String (20)
11	CEPT Rate	CEPT Rate	Number (18)
12	FOB	FOB Value	Number (18,2)
13	Currency Code	Currency Code of FOB Value	String (3)
No.	DATA ELEMENT	DESCRIPTION	DATA TYPE
14	Gross Weight	Gross Weight of the Consignment	Number (18,2)
15	Unit of Measurement	Unit of Measurement of Gross Weight	String (3)

## CEPT Form-D

16	Quantity	Goods Quantity	Number (18,2)
17	Unit of Measurement	Unit of Measurement of Goods Quantity	String (3)
18	Date of Export	Date Goods are Exported	Date
19	Invoice No.	Invoice No.	String (50)



## Export Declaration

### Header Portion

No.	DATA DESCRIPTION	FORMAT	CODE
1	Reference number of Customs Declaration	an..35	
2	Type of declaration and customs procedures and regimes	an..3	EXP - Export, IMP - Import
3	Number of forms of the declaration document and its respective uses	an..5	
4	Date of presenting the goods declaration to the Customs	n8	
5	Exporter/Consignor	an..70	
6	Importer/Consignee	an..70	
7	Transaction reference by Declarant	an..35	
8	Identification of Declarant/Customs Clearing Agent or Representative	an..70	
9	Reference number of common access	an..35	
10	Security details	a..3	
11	Transport document type/number	an..35	
12	Total number of packages	an..8	
13	Location of goods	an..35	
14	Identification and nationality of means of transport	an..35	
15	Identification and nationality of means of transport crossing the border	an..35	



## Export Declaration

16	Mode of transport	a1	UN/ECE
17	Place of loading and discharge	an..11	UN/LOCODE
18	Office of departure	an..11	
19	Container transport indicator	n1	0 = no , 1 = yes
20	Country and/or region of exportation	a2	ISO CODE
21	Country of destination	a2	ISO CODE
22	Terms of delivery	a3	
23	Payment currency	a3	ISO CODE
24	Rate of exchange	n..12,5	
25	Nature of transaction	n2	
26	Total Collection of duty and taxes per declaration	n..16,2	
27	Intended Customs Offices at route	an..35	
28	Customs Office of Destination	an..35	
29	Transfer during Customs Transit	an..35	
30	Control Measure/Incidents during Customs Transit	an..35	



# Export Declaration

No.	DATA DESCRIPTION	FORMAT	CODE
31	Country of origin	a2	ISO CODE
32	Authentication	an..35	

## *Details Portion*

No.	DATA DESCRIPTION	FORMAT	CODE
33	Item number	n..4	
34	Other information covering the liability of goods to specific requirement	an..35	
35	Previous customs procedures	an..35	
36	Customs value basis	n..16,2	
37	Added amount	n..16,2	
38	Deducted amount	n..16,2	
39	Duty/tax treatment applied for	an..35	
40	Identification of Customs warehouses	an..35	
41	Container identifier	an..256	
42	Gross mass	n..11,3	
43	Commodity code	n..12	
44	Supplementary quantity	n..11,3	
45	Deferred payment of duty/tax/fee	an..35	
46	Quota/Licenses	an..35	
47	Country of origin code	a2	ISO CODE

# Export Declaration

## *Container Portion*

No.	DATA DESCRIPTION	FORMAT	CODE
48	Reference number of Container	an..17	

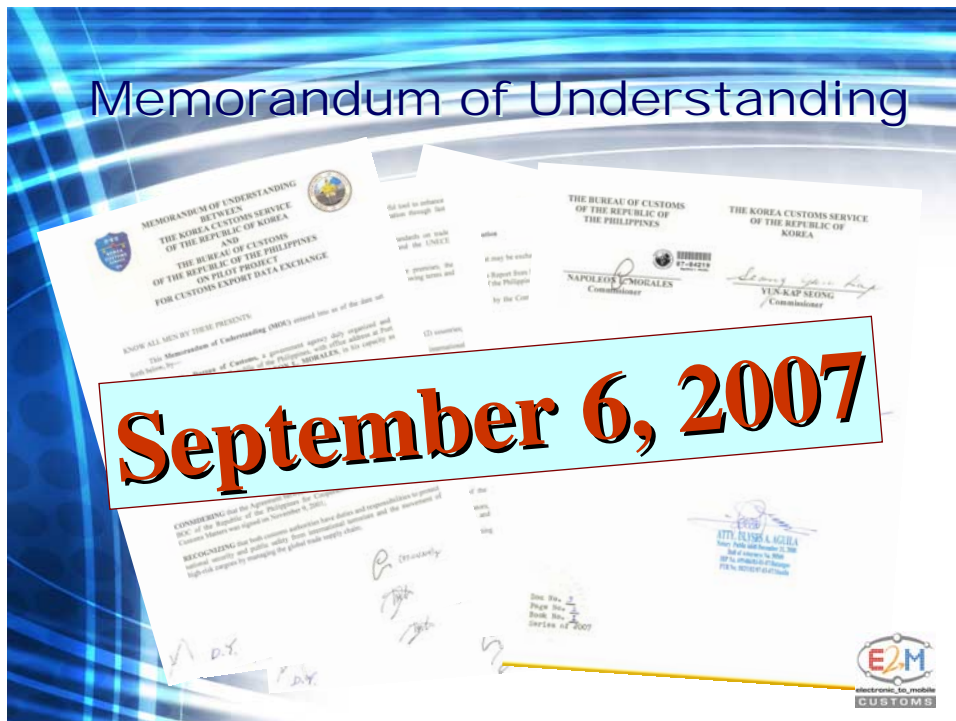


# Philippines - Korea

- Delegates from Korea Customs visited Manila in July 9 to 10
  - Director-General Doh-Yeol Kim
  - Deputy Director Hoon-Goo Cho
  - Senior Asst. Director Young-Mo Lee
  - Senior Assistant Director Se-Jin Park
- Draft MOU
- Test Plan
- Export Declaration



# Memorandum of Understanding





## MOU

- Mutual Assistance on Customs Matters  
– November 9, 2001
- Protect National Security & public safety
- Enhance government work efficiency
- Promote trade facilitation
- Use of International Standards



## Purpose

- To share knowledge, experience and technology
- Provide necessary support for the application of international standards



## Scope

- Exchange of Export data
- Other additional information related to export and import

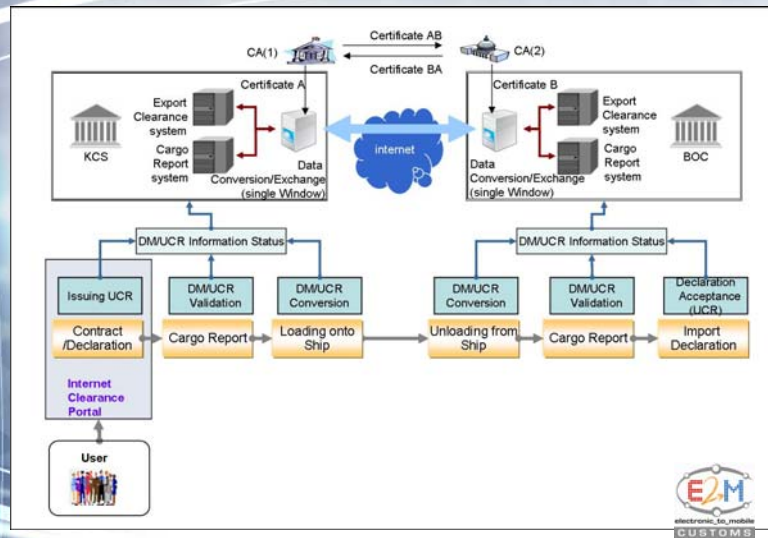


## Terms of Reference

- Purpose
- Scope
- Reference Standards
- Expected Deliverables
- Joint Task Force Team
- Conceptual Diagram
- Timeline



# Conceptual Diagram



# Timeline

TASKS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Completion of Technical Details																												
Test of Communication Link																												
Test Message Validation																												
Interim Assessment and Improvement																												
Pilot Data Exchange																												
Completion of Project & Final Assessment																												



## Technical Requirements

- e-documents to be exchanged
- Connectivity
- Server Software
- Security Framework
- Communication Protocol



## Main Menu





# Login Page

Document Reference

Document Type : EXP

Document Number : 035736

Package Information

Number of Packages : 3

Kind of Packages : PLT

Consignment Information

Consignor Name : LUX MANUFACTURING CORPORATION

Country of Export : PH

Country of Destination : null

Transport Details

Transport Indicator : 1

Mode of Transport : 1

Transport ID : MOL ADVENTURE V.008S

Transport Type : N/A

Place of Loading : MICP

Export Date : 12-12-2007

Presenting Date : 2006-03-03

Transaction Reference : 035736

Order Information

Terms of Delivery : FOB

Payment Currency : USD

Exchange Rate : 0.0

Nature of Transaction : 10.0

Duty Tax Collected : 0.0

Invoice Number : 486

Freight Forwarder : N/A

Acceptance Date : 2006-03-30

<<< Return to Previous Page

Item No.	Container Identifier	Commodity Code	Gross Mass	Customs Value	Supplementary Quantity	Amount Added	Amount Deducted	Duty Tax Applied
0001	HALU 520893-8	84210000	644.1	15073.75	0.0	0.0	0.0	EXPORT DUTY

Copyright © 2007 Bureau of Customs Philippines - Asean Single Window (ASW)



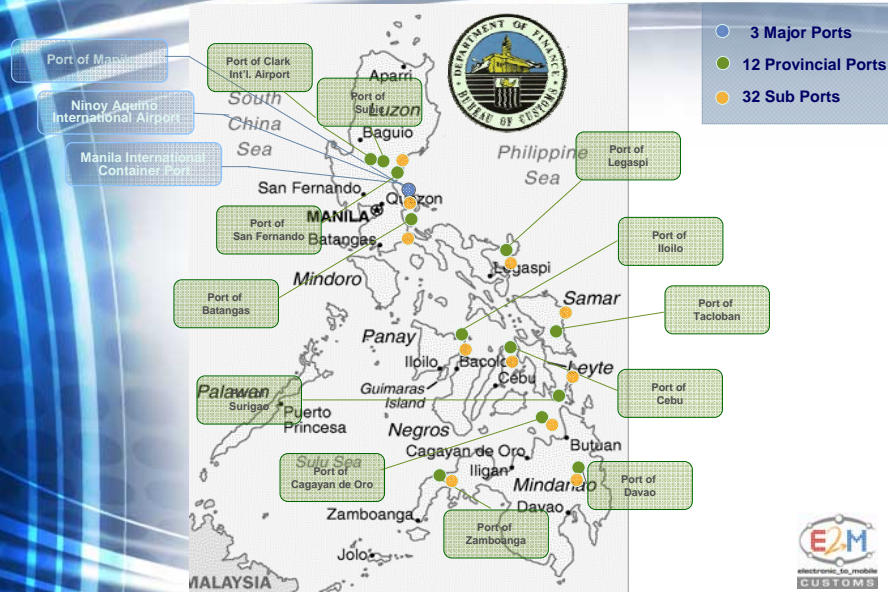
# RFID

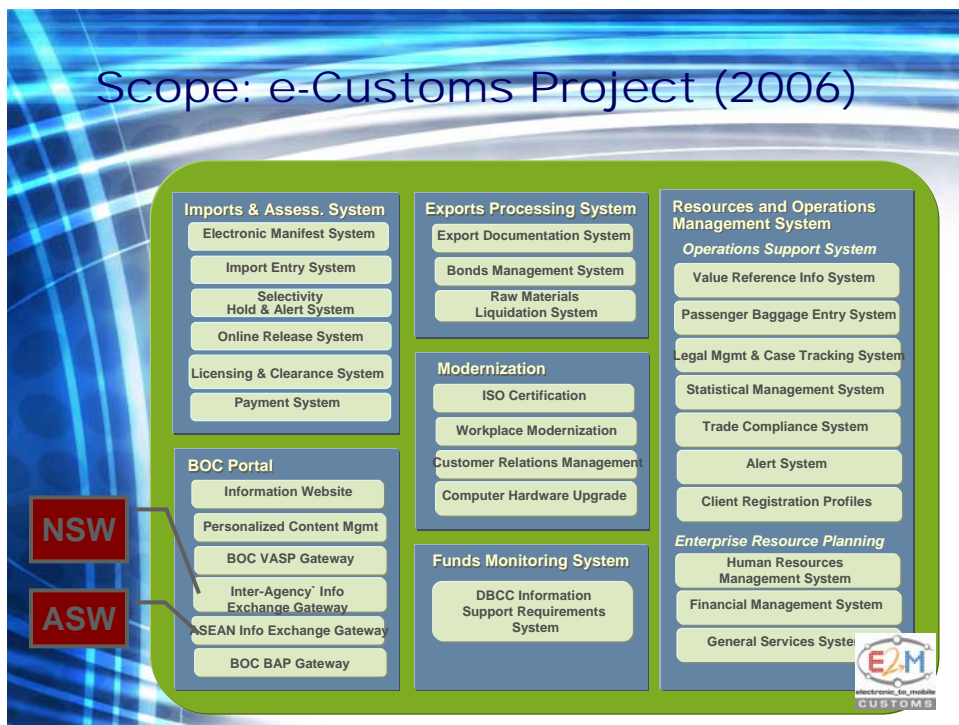
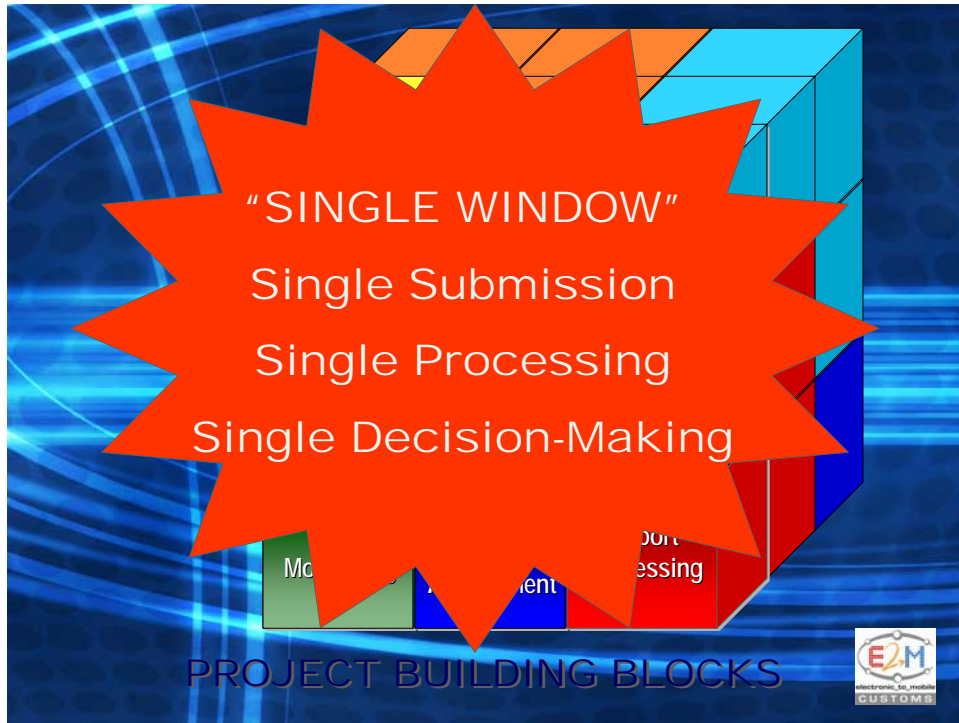
Radio Frequency identification (RFID) is a generic term for technologies that use radio waves to automatically identify people or objects.

**Container Security Device**



# System Implementation





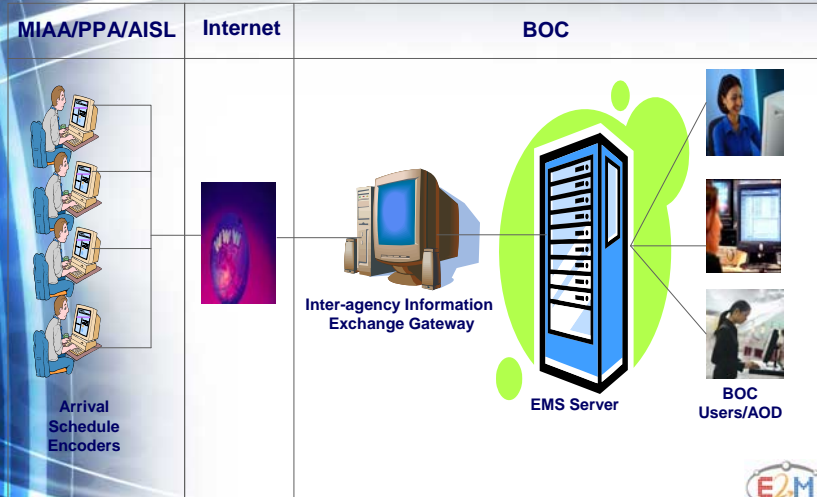
# e-Customs Inter-Agency Information Exchange Project



# Electronic Manifest System (Manila International Airport Authority and Philippine Ports Authority)



# System Overview

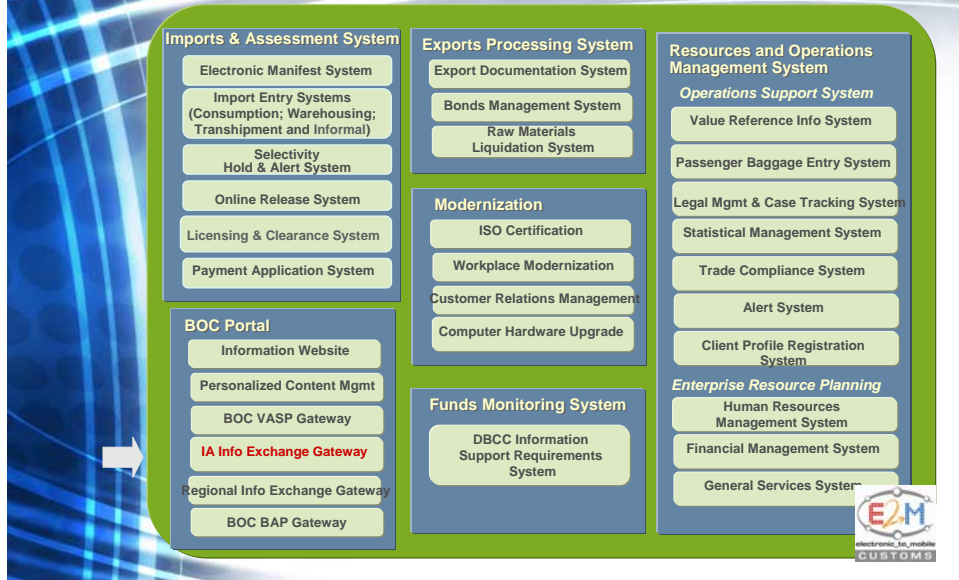


# Inter-Agency Information Exchange Gateway





# e-Customs Project



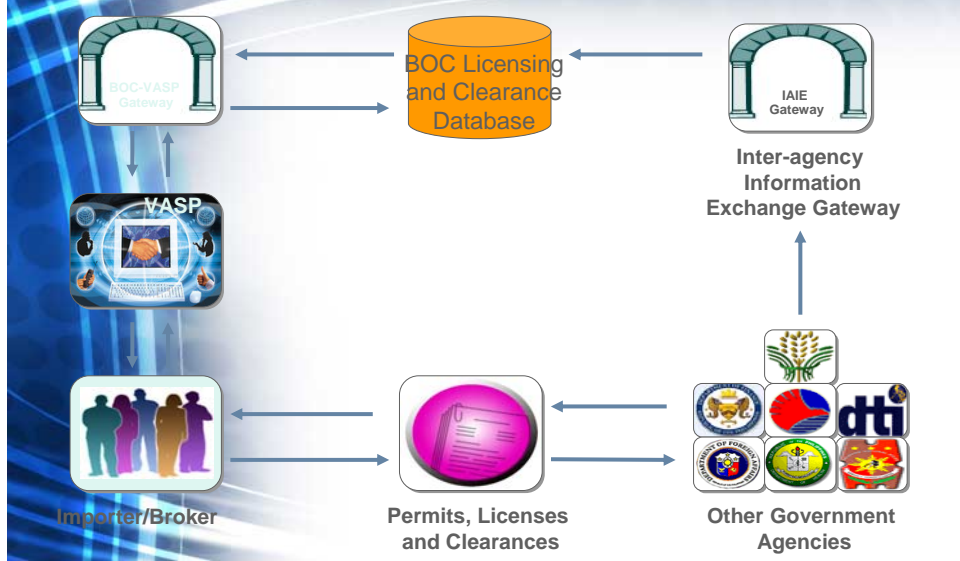
# Inter-agency Information Exchange Gateway

- .....▶ **Allows other government agencies to transmit electronic data to the BOC – permits, licenses, clearances**
- .....▶ **Provides facility for other government agencies to access and retrieve relevant Information from the BOC**
- .....▶ **Collaboration to support transfer of data, and verification and processing of customs transactions**









# Inter-agency Information Exchange Gateway



# Inter-agency Information Exchange Gateway

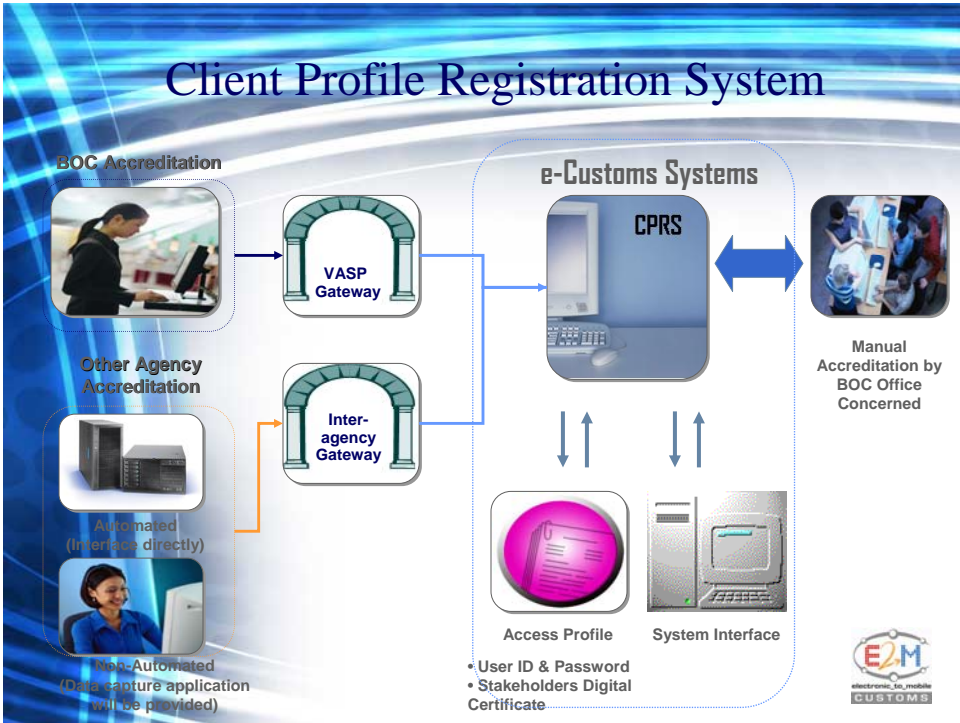
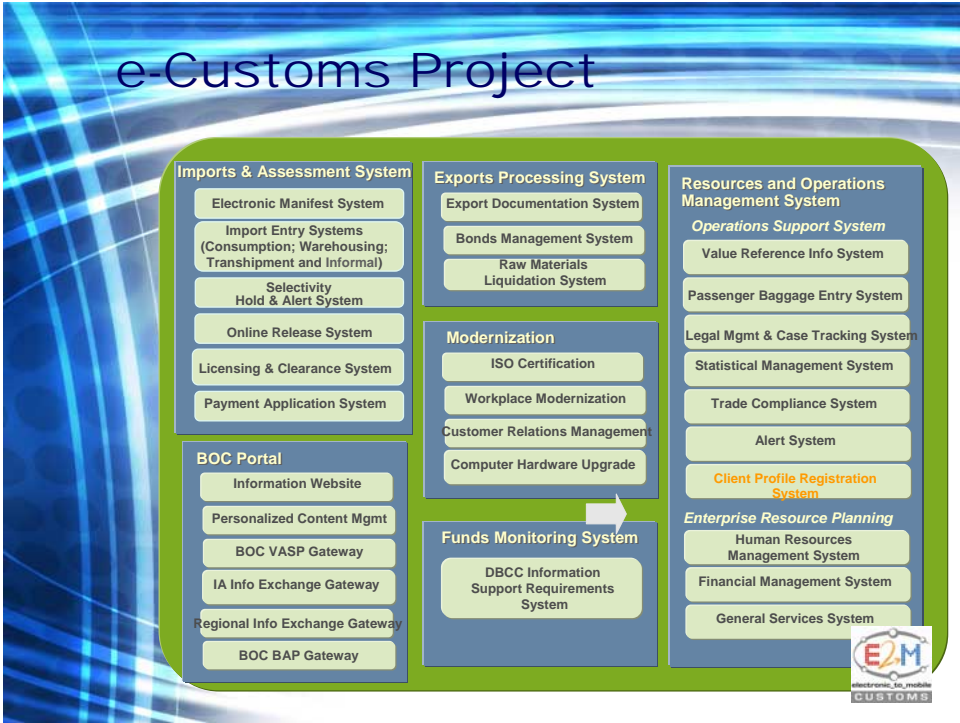
Issuing Agency	License, Clearance, Permit
 <ul style="list-style-type: none"> <li>▶ Philippine National Police</li> </ul>	<ul style="list-style-type: none"> <li>▪ License for firearms, explosive units</li> </ul>
 <ul style="list-style-type: none"> <li>▶ Department of Agriculture                             <ul style="list-style-type: none"> <li>▪ Bureau of Plant Industry</li> <li>▪ Bureau of Animal Industry</li> <li>▪ Bureau of Fisheries and Aquatic Resources</li> <li>▪ National Food Authority</li> <li>▪ Sugar Regulatory Authority</li> <li>▪ NMIS, FIDA, PCA</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>▪ Plant, sugar, rice import permits</li> <li>▪ Certificate for animals that can be imported and exported</li> <li>▪ Veterinary Inspection Certificate</li> </ul>
 <ul style="list-style-type: none"> <li>▶ Department of Finance                             <ul style="list-style-type: none"> <li>▪ Bureau of Internal Revenue</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>▪ Certificates: Duty Draw Back, Tax Credit, Exemption Certificate</li> <li>▪ TIN</li> </ul>
 <ul style="list-style-type: none"> <li>▶ Department of Health                             <ul style="list-style-type: none"> <li>▪ Bureau of Food and Drugs</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>▪ Certificate for food and drugs</li> </ul>

# Inter-agency Information Exchange Gateway

Issuing Agency	License, Clearance, Permit
 <ul style="list-style-type: none"> <li>▶ Department of Foreign Affairs</li> </ul>	<ul style="list-style-type: none"> <li>▪ Certificate of goods that can be imported and exported by consuls, other DFA officials</li> </ul>
 <ul style="list-style-type: none"> <li>▶ Department of Transportation and Communications</li> <li>▪ Land Transportation Office</li> <li>▪ National Telecom Company</li> </ul>	<ul style="list-style-type: none"> <li>▪ Certificate of Payment</li> <li>▪ License for telecom equipment</li> </ul>
 <ul style="list-style-type: none"> <li>▶ Department of Trade and Industry</li> <li>▪ Bureau of Imports Services</li> <li>▪ Securities and Exchange Commission</li> <li>▪ Philippine Shippers Bureau</li> <li>▪ Board of investments</li> </ul>	<ul style="list-style-type: none"> <li>▪ License to import motor vehicles</li> <li>▪ SEC Registration</li> <li>▪ PSB Registration</li> <li>▪ PEZA Registration and Export</li> </ul>

# Client Profile Registration System





## Client Profile Registration System

▪ Manual submission of application forms and documentary requirements for client accreditation	▪ Electronic submission of applications for client accreditation to BOC through a <a href="#">VASP</a>
▪ Manual filing and evaluation of client profile records	▪ Electronic validation and record-keeping of client profiles
▪ Manual tracking of clients' accreditation validity	▪ Automatic notification when a client is due for renewal of accreditation
▪ No existing application system	▪ Interfaced with other BOC systems such as import entry system and hold & alert system, to provide critical client information



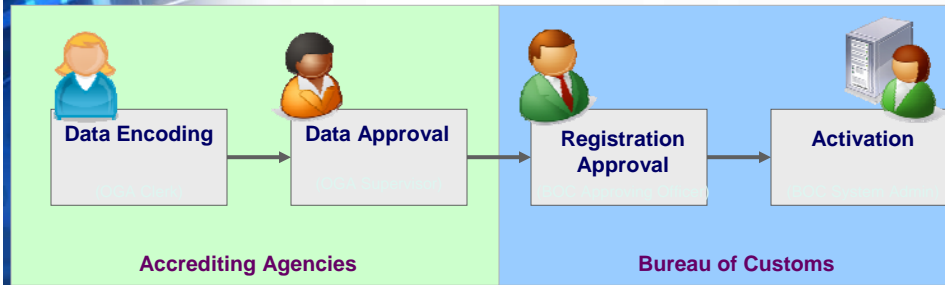
## Main CPRS Processes for OGA Data Buildup

1. Encoding of accredited client profile
2. Auto -Accreditation of the stored client profile





# OGA Data Buildup Process



# Encoding an Accredited Client Profile

**CLIENT PROFILE INFORMATION**

Client Type	CCN
Business Name	Last Date of Transaction
First Name	Bank Ref No.
Middle Name	TIN
Last Name	SSS
Citizenship	Passport#
Address	Director's Reg#
City	PRC ID No.
Country	Primary VASP CCN
Phone	Secondary VASP CCN
Fax	PSDA BOI Reg#CARR Code
E-mail	SEC Reg No.
URL/Website	Capital Stock
Nature of Business	Paid up Capital
Business Entity	AAD Ref Code
Warehouse Type	Related Domestic
WhI/TSID Code	Foreign Companies
JO 201 Ref Num	

Client Type dropdown options: Airlines, Airport Warehouse, Airstrare Operator, Authorized Agent Bank, Broker, Consolidator, Exporter, Forwarder, Importer, Occasional Client, Off-Dock C/Y, CFS, Shipping Lines, Surety Company, Value Added Service Provider, Warehouse Operator.






# The Client Profile Information Screen

**CLIENT PROFILE INFORMATION**

Client Type	Shipping Lines	CCN	
Business Name		TIN	
First Name		SSS	
Middle Name		Passport #	
Last Name		Driver's License #	
Citizenship		PRC ID No.	
Address		Primary VASP CCN	
City		Secondary VASP CCN	
Country		PEZA BOI Reg/CARR Code	
Phone		SEC Reg No.	
Fax		Capital Stock	
E-mail		Paid up Capital	
URL/Website		AAB Ref Code	
Nature of Business		Related Domestic ...	1
Business Entity		Foreign Companies	2
Warehouse Type			3
WHS/TSND Code		Primary Broker TIN	
WHS/TSND Name		Primary Broker Code	
JO 2-01 Ref Num		Port of Entry	
	(used by DBM)	Secondary Broker TIN	
Certificate of Authority No.		Secondary Broker Code	
Period Of Effectivity		Port of Entry	
	(used by Insurance Commission)		


Note: Highlighted fields are mandatory.



# The Major Stockholders Screen


**Major Stockholder**


First Name		<b>&lt;Photo&gt;</b>
Middle Name		
Last Name		
Citizenship		
TIN		
<b>&lt;Signature&gt;</b>		
Address		
City	ZIP Code	
Country		
Phone	Alt. Phone	
Fax	Mobile	
E-mail		



# The Principal Officers Screen

**1** Principal Officer  
**2**


First Name	<input type="text"/>	 <Photo>
Middle Name	<input type="text"/>	
Last Name	<input type="text"/>	
Position	<input type="text"/>	
TIN	<input type="text"/>	
<input type="text" value="Signature"/>		<Signature>
Address		
<input type="text"/>		
City	<input type="text"/>	ZIP Code <input type="text"/>
Country	<input type="text"/>	
Phone	<input type="text"/>	Alt. Phone <input type="text"/>
Fax	<input type="text"/>	Mobile <input type="text"/>
E-mail	<input type="text"/>	




electronic\_to\_mobile  
CUSTOMS

# The Responsible Officers Screen

**1** Equivalent Responsible Officer

First Name	<input type="text"/>	 <Photo>
Middle Name	<input type="text"/>	
Last Name	<input type="text"/>	
Position	<input type="text"/>	
TIN	<input type="text"/>	
<input type="text" value="Signature"/>		<Signature>
Area of Responsibility		
<input type="text"/>		
Address		
<input type="text"/>		
City	<input type="text"/>	ZIP Code <input type="text"/>
Country	<input type="text"/>	
Phone	<input type="text"/>	Alt. Phone <input type="text"/>
Fax	<input type="text"/>	Mobile <input type="text"/>
E-mail	<input type="text"/>	



electronic\_to\_mobile  
CUSTOMS

## PILOT PROJECT:

### DEPT. OF AGRICULTURE-CUSTOMS

- **Secretary of Agriculture signed an MOU with Secretary of Finance for an inter-agency linkage between the Customs and their Agencies**
  - Bureau of Plant Industry
  - Bureau of Animal Industry
  - National Meat Inspection Service
  - Bureau of Fisheries and Aquatic Resources
  - Fertilizer and Pesticides Authority
  - Philippine Coconut Authority
  - Fiber Industry Development Administration
- **Agencies to exchange import and exports clearance information with Customs**
- **Customs to provide hardware, connectivity and software as much as possible**
- **Earmarked for Dec 2007**

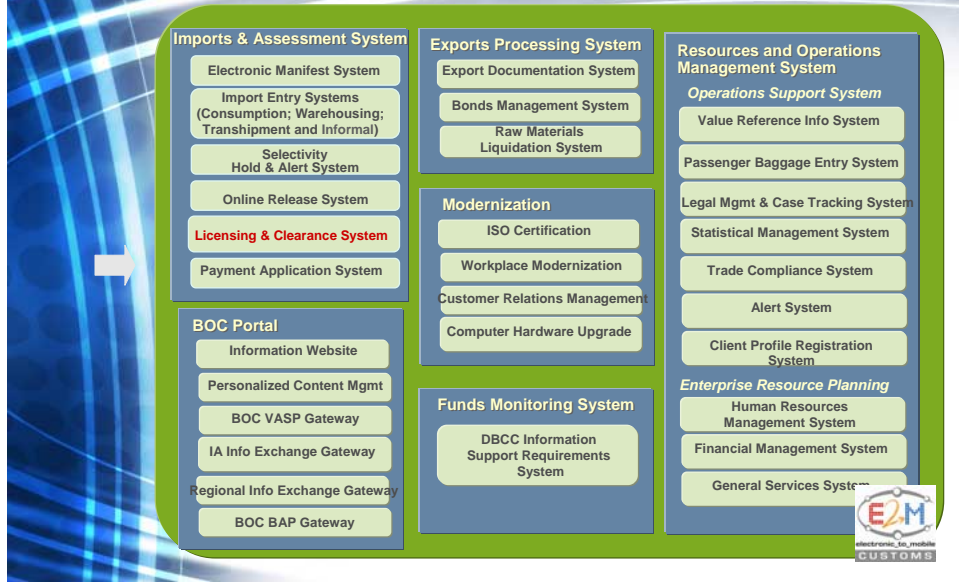


## INDUSTRY SPECIFIC PILOT PROJECT: VEHICLE

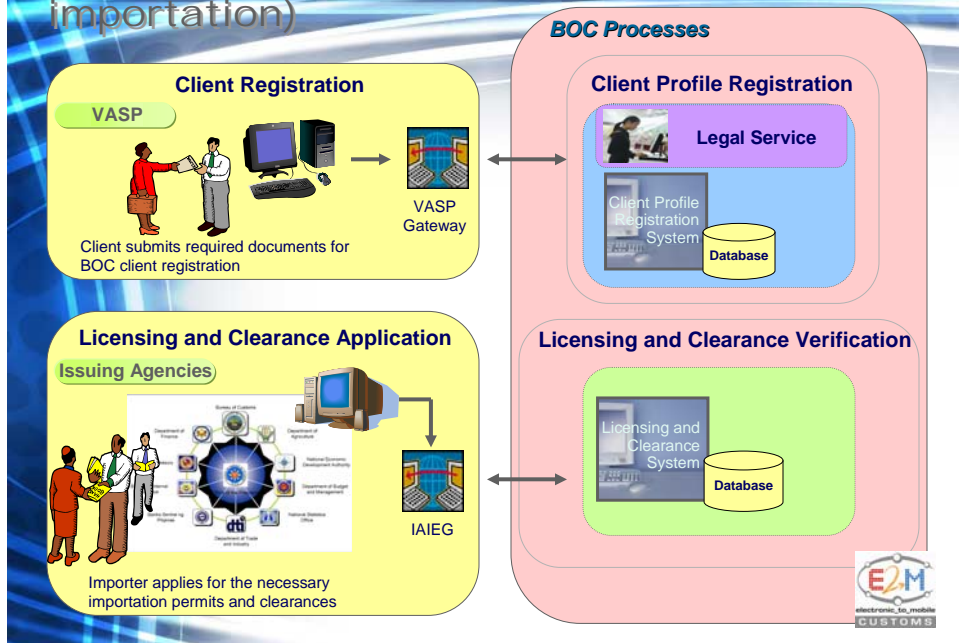
- **BIS, LTO, BOC signed MOA for Processing of Imports of Motor Vehicle Parts March 2007**
- **Initiative was expanded to NSW for import and exports clearance for vehicle industry**
- **Agencies Involved:**
  - Bureau of Import Service
  - Bureau of Export Trade Promotion
  - Bureau of Product Standards
  - Land Transportation Office
  - Bureau of Customs
  - Bureau of Internal Revenue
  - Bureau of Trade Related
  - Bangko Sentral ng Pilipinas (Central Bank)
  - CAMPI (volunteered to join), 24 May
  - MVPMAP (volunteered to join), 24 May
- **Customs to provide hardware, connectivity, software and training**
- **Harmonization & Standardization still ongoing**
- **Earmarked for 3Qtr 2007**



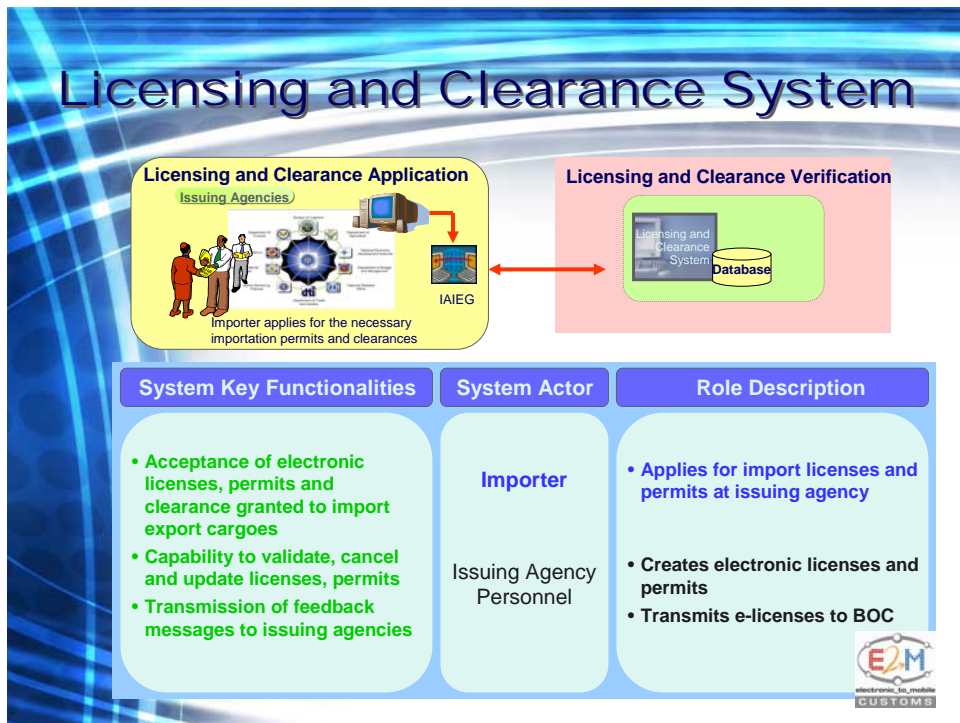
# e-Customs Project



## Pre- lodgement Qualifications (prior to importation)





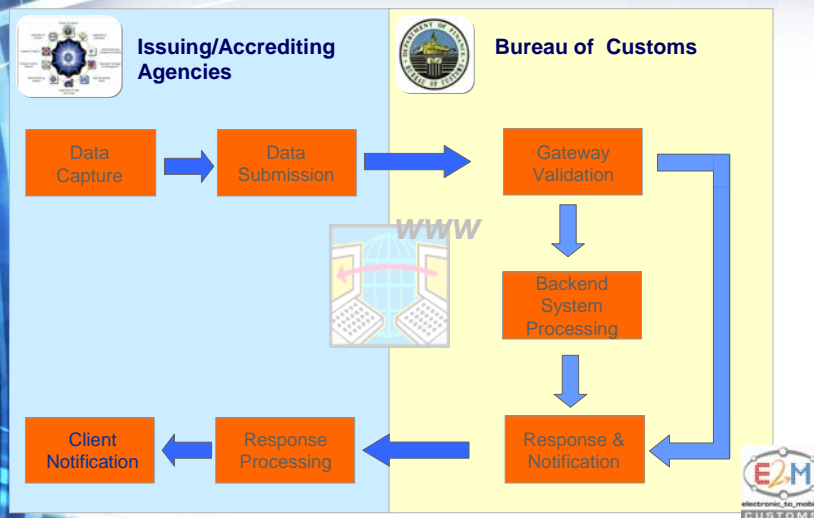




# Licensing and Clearance System

CURRENT	FUTURE
<ul style="list-style-type: none"> <li>▪ Hardcopies of approved import permits, licenses or clearances from issuing agencies are submitted to BOC</li> </ul>	<ul style="list-style-type: none"> <li>▪ Consistent with the National Single Window initiative, issuing agencies submit to BOC approved permits, licenses and clearances electronically through the Inter-agency Information Exchange Gateway (IAIEG)</li> </ul>
<ul style="list-style-type: none"> <li>▪ Manual validation of import permits, licenses and clearances</li> </ul>	<ul style="list-style-type: none"> <li>▪ Electronic verification of permits/licenses/clearances through linkage with issuing agencies</li> </ul>
<ul style="list-style-type: none"> <li>▪ Utilization of import permits, licenses and clearances are verbally advised to issuing agencies</li> </ul>	<ul style="list-style-type: none"> <li>▪ Permits/Licenses/Clearances are automatically written off once utilized, while the concerned issuing agency is also notified electronically</li> </ul>

# Business Process Overview



## Main LCS Processes for OGA Buildup

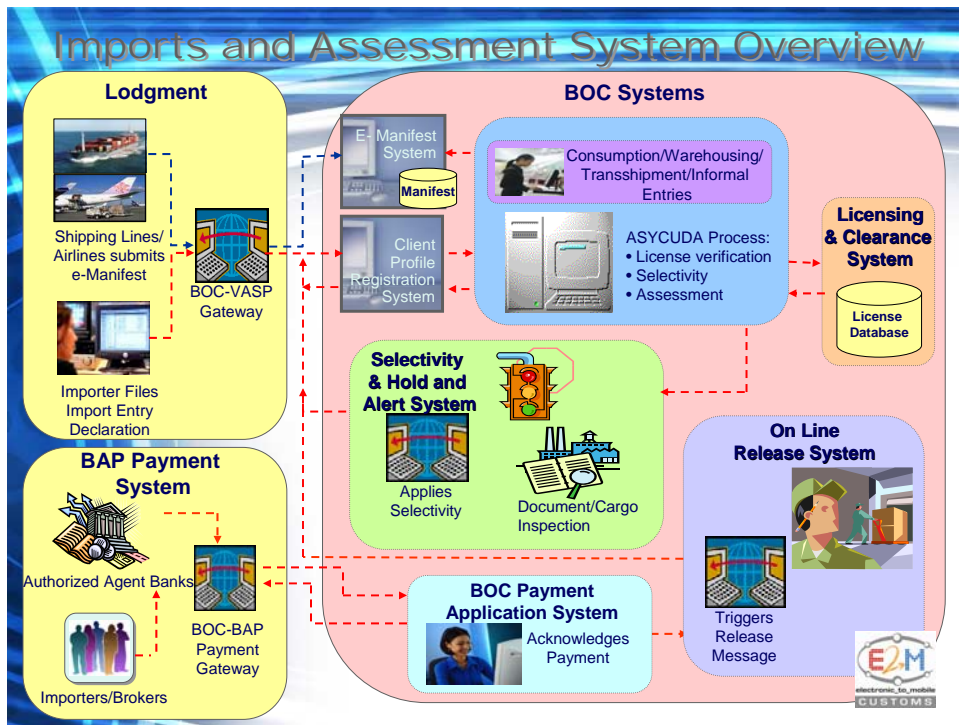
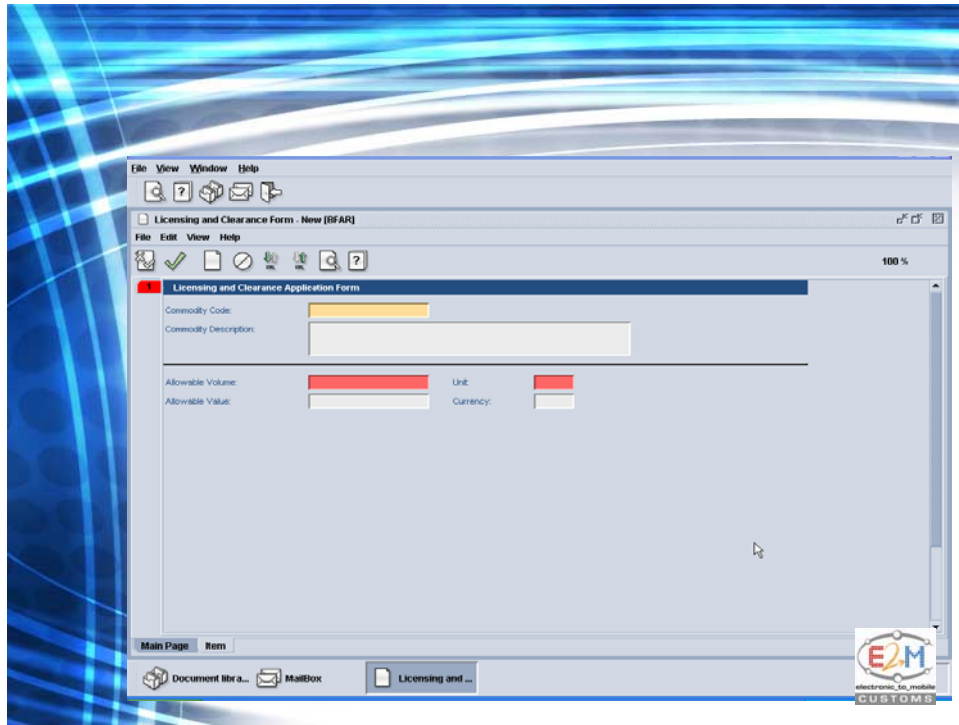
1. Entering approved licenses and clearances
2. Viewing of stored licenses and clearances
3. Sending of approved licenses and clearances to BOC



## Entering an Approved License or Clearance

A screenshot of the Bureau of Customs software interface. The window title is 'Bureau of Customs - rfc'. The menu bar includes 'File', 'View', 'Window', and 'Help'. The toolbar contains icons for search, help, and other functions. The main area is titled 'Licensing and Clearance Application Form' and contains various input fields for license and clearance information. The fields are organized into two columns. The left column includes: License Code, Issuing Agency Code, Licensing Agency Name, Department, License Use, Client TRN / Passport No., Reporter Name, Reporter Address, Valid from, Broker TRN, Broker Name, Country of Origin, Country of Destination, Voyage Registry No., Bill of Lading, and Declaration Reference No. The right column includes: Issuing Agency Reference Number, License Number, Date of Issue, Status, Exporter Name, Exporter Address, and Valid to. The bottom of the window shows a 'Main Page' tab and a 'Document Bra...' tab. The E2M logo is visible in the bottom right corner.

License Code	Issuing Agency Reference Number
Licensing Agency Code	License Number
Licensing Agency Name	Date of Issue
Department	Status
License Use	
Client TRN / Passport No.	
Reporter Name	Exporter Name
Reporter Address	Exporter Address
Valid from	Valid to
Broker TRN	
Broker Name	
Country of Origin	
Country of Destination	
Voyage Registry No.	
Bill of Lading	
Declaration Reference No.	



## NSW and Project e2m

- MOU between BOC and Telecom Co.
- Project E2M is simply revolutionizing the business process of Bureau of Customs by making it mobile and wireless.
- By Short Message Service (SMS), BOC Employees, Importers, Exporters and Brokers can monitor and do their transactions via mobile phone.
- Allow stakeholders to pull necessary information from the BOC to close their transactions.



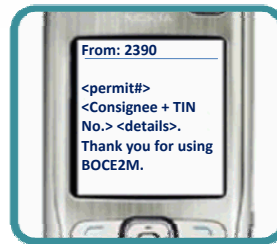
## NSW and Project e2m

- Pilot implementation – February 2008
- Pilot Agencies:
  - Bureau of Fisheries and Aquatic Resources
  - Bureau of Import Services
  - Sugar Regulatory Authority
  - Board of Investment
  - Bureau of Plant Industry
  - National Food Authority
  - Sugar Regulatory Authority
  - National Meat Inspection
  - Bureau of Animal Industry
- Objective: use SMS to check authenticity and verify on real-time the license/permit issued by other government agencies





# NSW and Project e2m Mechanics



Permit No. : oga12345  
TIN : 123456789



*Thank You*

[www. customs.gov.ph](http://www.customs.gov.ph)

