

# **Single Window Initiative In Malaysia**

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# **SINGLE WINDOW Initiative In Malaysia**

- Introduction
- Basic Concept and Characteristics of SW
- Data Model
- Status In Malaysia
- Conclusion

# Introduction

## Definition of Single Window:

- 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**. (UNCEFACT and WCO)
- A system which enables a **single submission of data** and information, a single and synchronous processing of data and information; and a single decision-making for customs release and clearance. (for NSW - **ASEAN**)

# Basic Concept and Characteristics

## Key words in all definitions

- ❑ Standardized information
- ❑ Single entry
- ❑ Single submission

## Main Focus

- ✓ **Re-usability of data/information**

## Data Harmonization And Standardization

- ✓ **A Master Data Model composed of harmonized and standardized data sets**

# Basic Concept and Characteristics...cont.

## Key Components and Characteristics of SW Architecture

- Central repository (applications, international standard master data model, risk management)
- Open standards for integration and interfacing with systems of all components concerned (Enterprise Application Interface)
- Communication security and protocol in data/information exchange between systems of all components of the Single Window within a nation as well as between Single Windows within a region.

# Data Model and UNeDocs

## What is a Data Model?

- ✓ Data model is an abstract model that describes how **data** is represented and used.

## Existing Data Model

- ☐ WCO Data Model
- ☐ UNeDocs

## Why Re-invent The Wheel?

# UNeDocs Data Model

## ➤ What is UNeDocs Data Model?

- ✓ Encompasses data requirements for the entire transaction process of cross-border trade.
- ✓ Will form the basis of the next generation of standards for international trade documents, both in paper and in electronic format.
- ✓ Ensures a built-in alignment of import and export documents and information enabling exchange of information based on the harmonized data structures of the Data Model
- ✓ Provides a Master Data Model for a master document which can be used to generate all required trade documents

# Internet Applications

## Value added Services

### Single Window

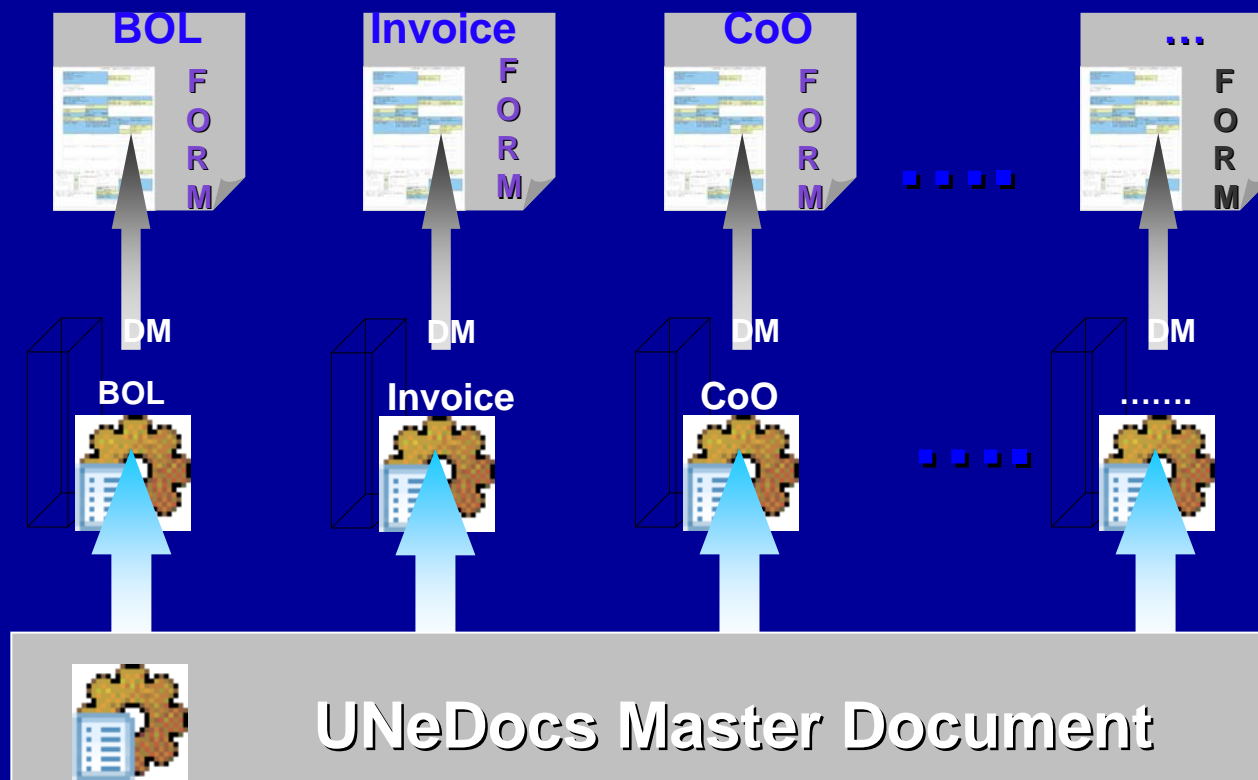
XML

EDIFACT

Paper Trade Documents

Specific Document Data Models

Master Document Data Model





# Master Data Model

- Reside in the central repository
- Open and technology-neutral
- Standard data elements to be used with any method (either in paper or electronic form) for data interchange by any participant of the Single Window
- Using international standard of 'naming and design rules', format and structure etc (eg. UNTDED 2005 ISO 7372:2005)
- Maximum data elements that fulfill minimum information requirement of each sector in the trade community and logistic supply chain
- Help implement key trade documents (purchase order, invoice, customs declaration, shipping instructions, conveyance report, cargo report, forwarding instructions, etc.) taking into consideration countries or trade that may not adopt electronic documents at the same speed

# ASEAN

- Data harmonization and standardization is in progress
- Development of ASEAN Data Set to establish an ASEAN Data Model for the ASW

# Single Window In Malaysia

- By virtue of the mandate by Government to implement the national 'Trade Facilitation Portal' which is equivalent to the National Single Window, MITI is the 'Lead Agency' of Malaysia NSW.
- The Trade Facilitation Action Council (TFAC) established by MITI to monitor trade-related activities and performance of service providers in trade facilitation has assumed the task of Steering Committee of NSW
- MATRADE appointed as the implementing agency and established the Technical Committee of NSW
- Concept and features of NSW [#17. Slide 17](#)
- ePermit and eDeclaration are identified as the pilot transactions using the existing infrastructure
- Consideration of **CEPT Form D** as the pilot cross-border transaction with other ASEAN Member Countries

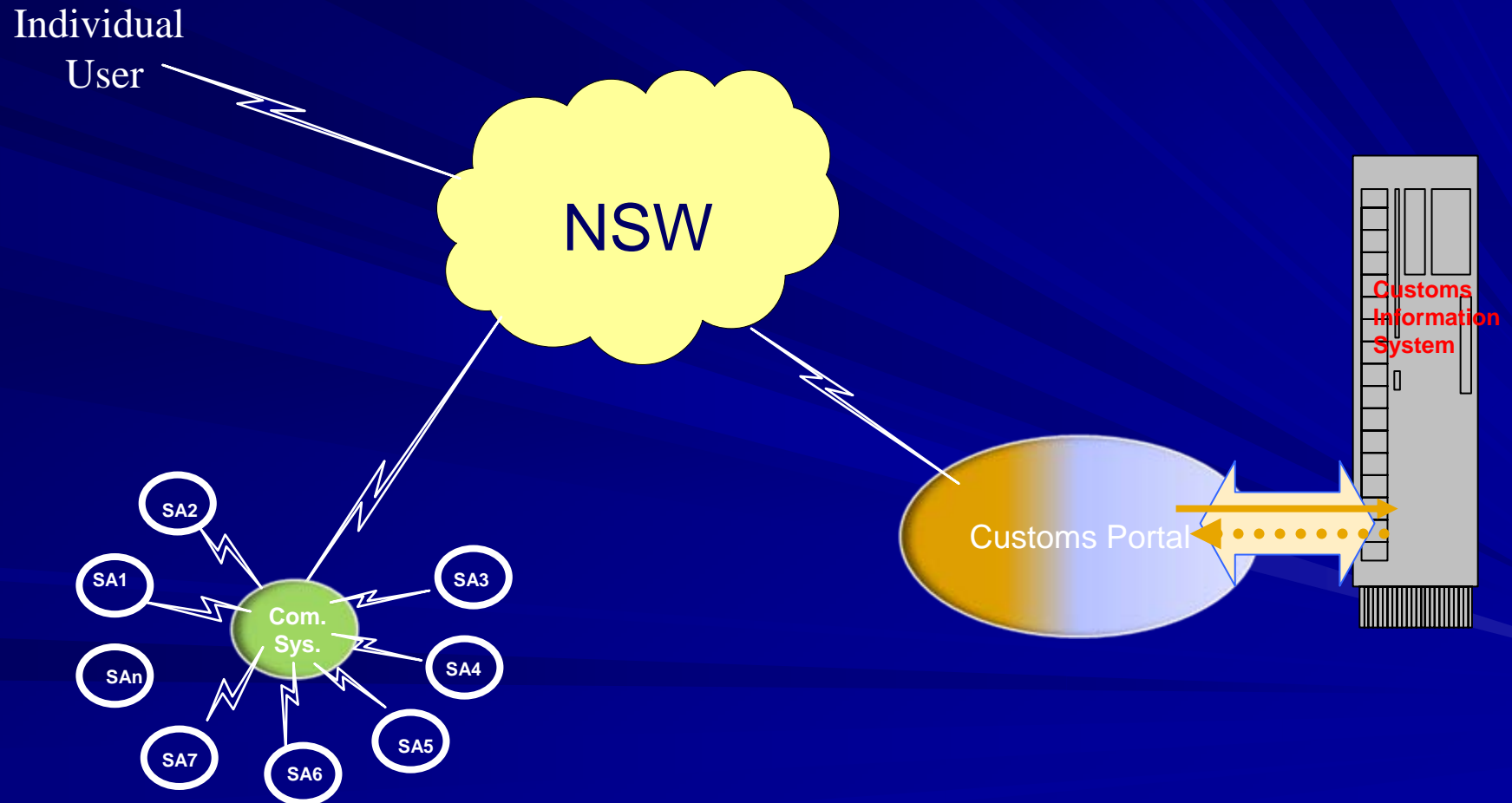
UNeDocs → CoO → **CEPT Form D**

Time + Human + Cost → **New Data Model**

# Single Window In Malaysia

- Implementation of NSW will be inline with activities undertaken under the ASEAN Single Window
- Malaysia will adopt the **ASEAN Data Set** in its National Single Window
- Malaysian Customs will implement a Customs Portal as its single window
- Some relevant applications in the Customs Portal will integrate /interface with the NSW and function as a component of the NSW

# Connectivity Between NSW and Customs Portal



# Conclusion

- **Implementation of National Single Window is a prerequisite of ASEAN Single Window**
- **Regardless of the type of model adopted, a single window requires a repository linking to all component systems.**
- **A Master Data Model supporting reusability of data is essential in implementation of an efficient and effective national/regional single window**
- **Adoption of open and international standards is one of the critical success factors in single window implementation**

Thank You







***The End***

# NATIONAL SINGLE WINDOW

## CONCEPT AND FEATURES OF NSW

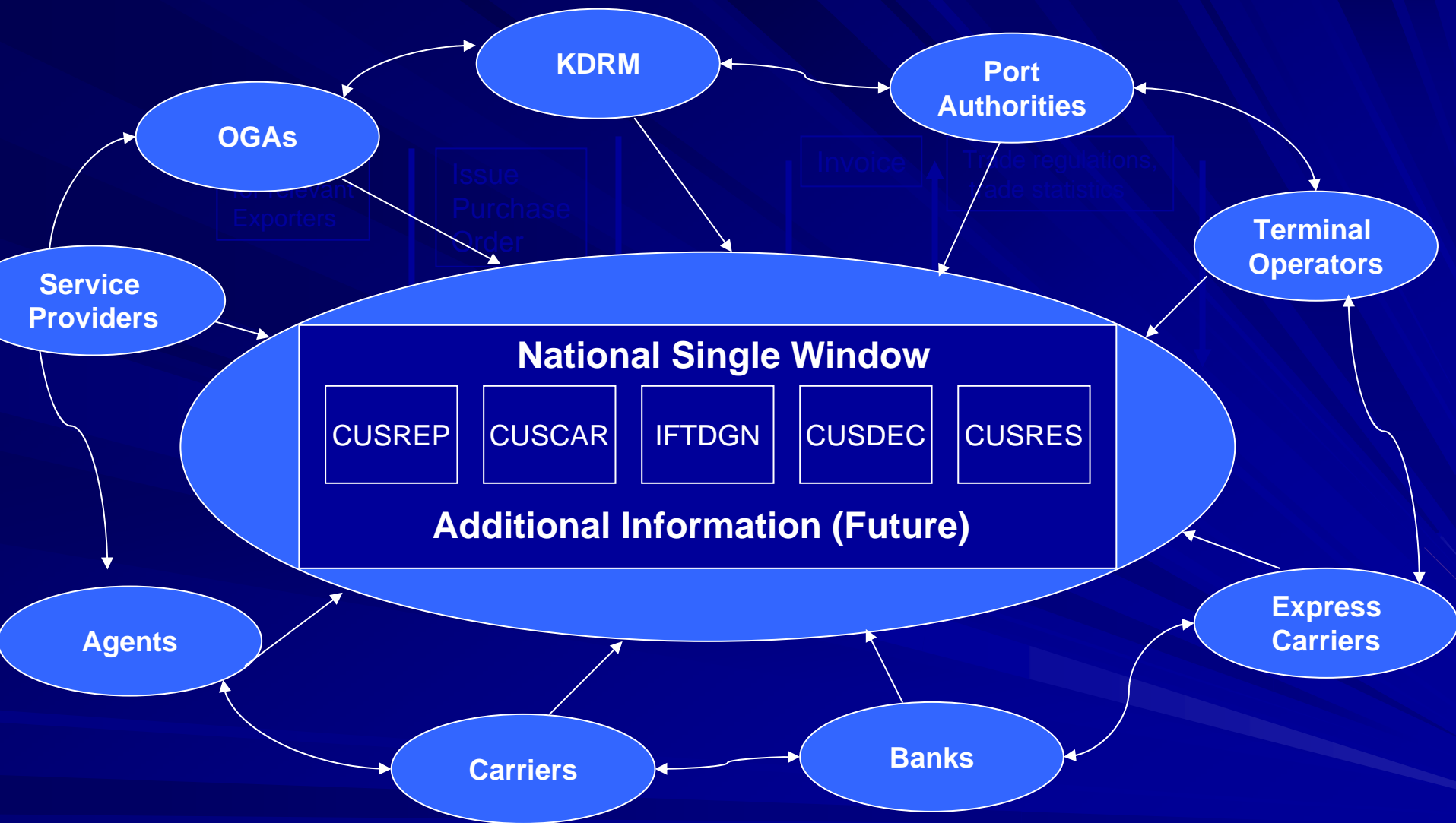
- ✓ transmit and exchange data electronically within the trade community through a single window/common platform
- ✓ Standardised and relevant data can be reused to eliminate duplication
- ✓ interface and integration between various systems
- ✓ linked to Customs for information that are required for compliance, monitoring and risk management purposes
- ✓ facilitates collaboration between trading countries
- ✓ not to replace or compete but co-exists and complement with existing systems

# NATIONAL SINGLE WINDOW

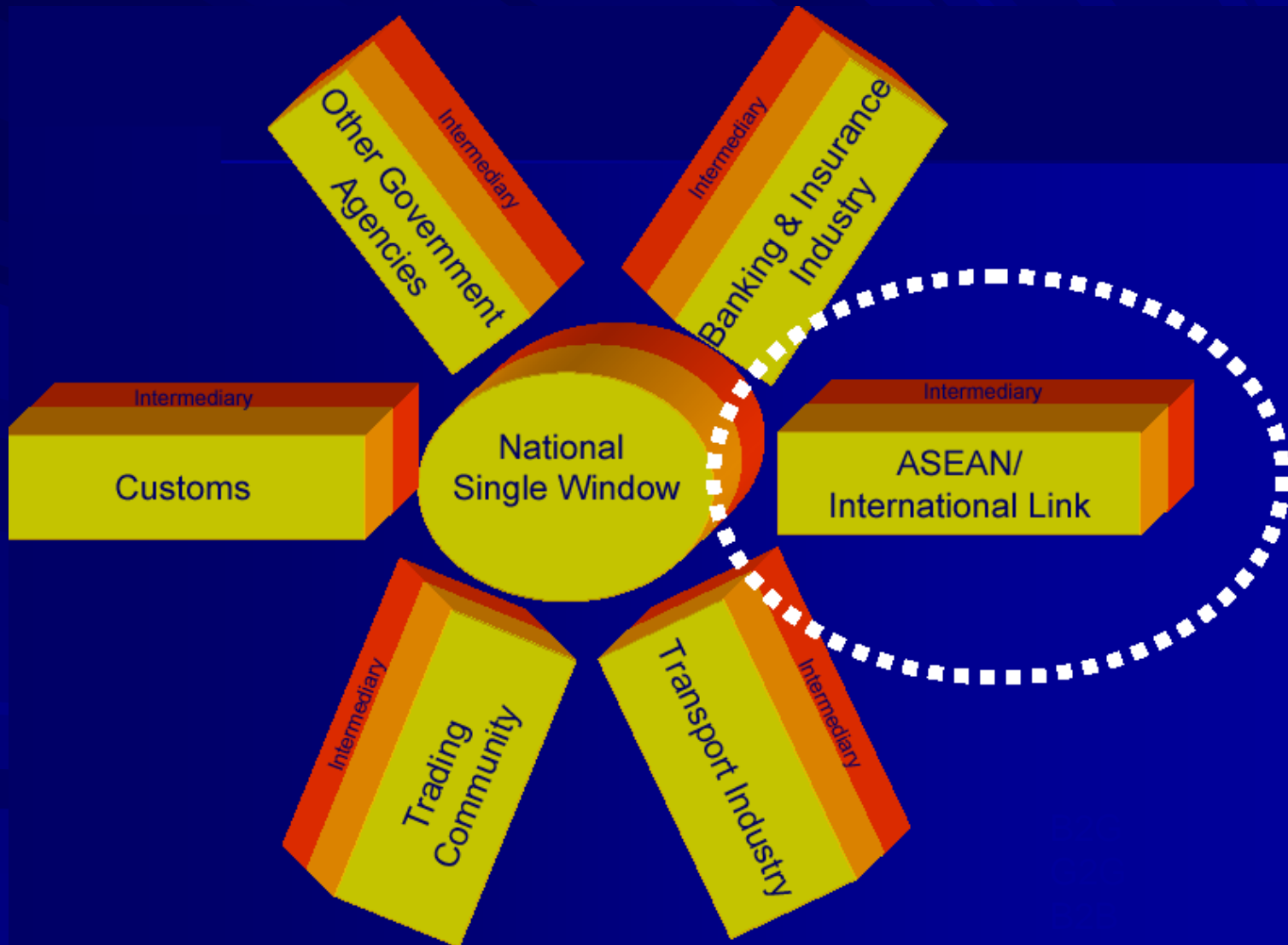
## □ Service offerings

- informational, transactional and collaborative
- trade compliance services (import-export declarations, permit and certification)
- payments
- sourcing (business matching) and logistics services
- trade information (trade and business procedures/ regulations, market information, maritime information, tariff codes and trade statistics)

# Connectivity Between the Trade Community



# CONCEPTUAL OVERVIEW OF THE NSW



## ASEAN SINGLE WINDOW CONCEPTUAL MODEL

