



FREIGHT

“Developments in e-Freight to achieve major improvements in multimodal transport”

Tom Cane (BMT) – Port of Cork, 19th July 2011

Overview



- **e-Freight Approach**
 - Interoperability and information exchange
- **Next Generation National Single Windows**
 - Reporting in a multimodal context
- **The Single European Transport Document**
 - A standard electronic multimodal waybill

e-Freight Approach



Business interoperability through standardised electronic information exchange

- Common terminology
- Shared understanding
- Mutually beneficial information exchange
- Integration of existing systems
- Remove barriers to efficient communication

Current Barriers



- **Example 1:**

- Company X sends dates in the format **dd/mm/yyyy**
- Company Y only accepts dates in the format **dd/mm/yy**
- Which company should change their system?

- **Example 2:**

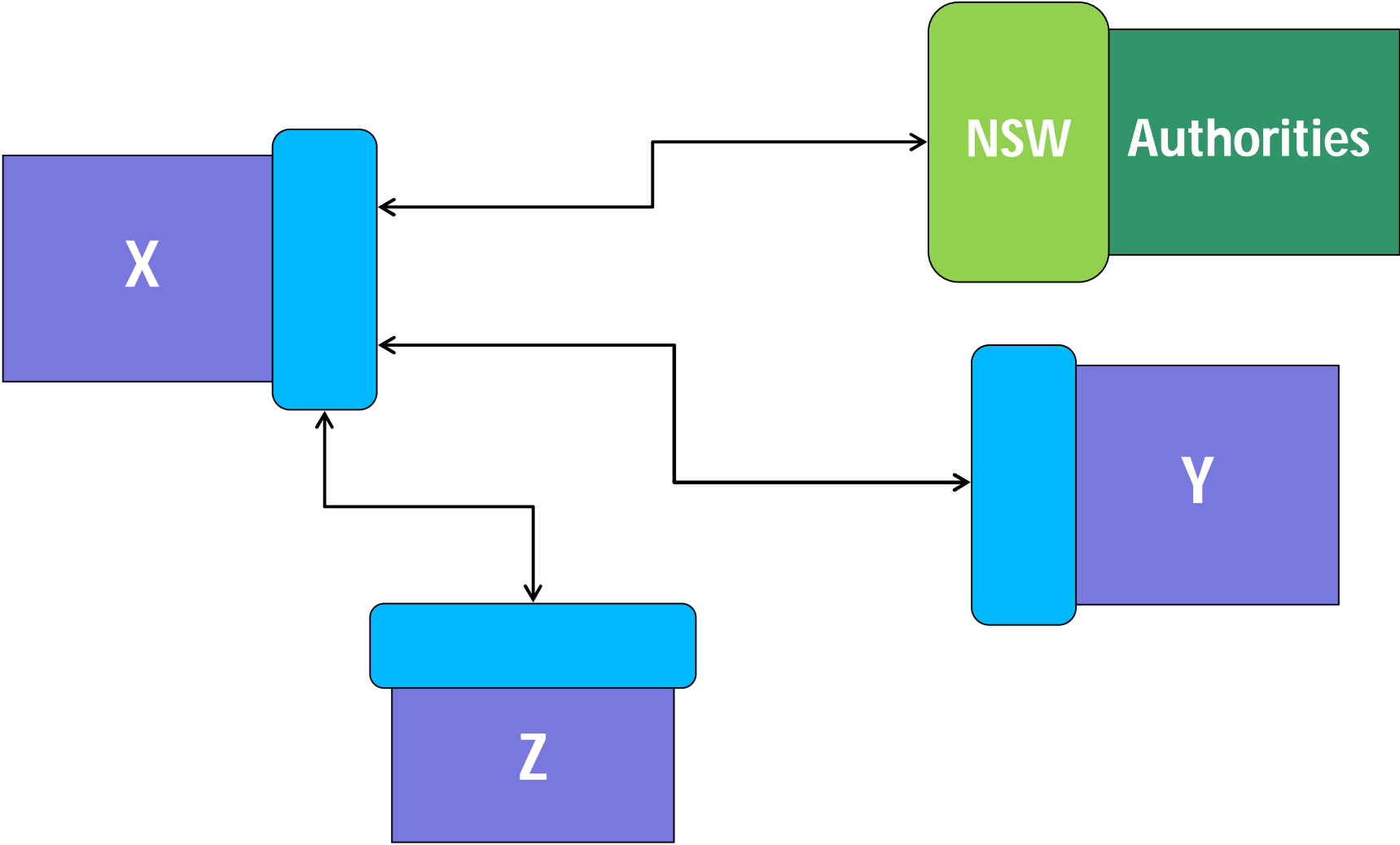
- Company X asks for the “weight” of a “goods handling unit”
- Does company Y know what information to send?

e-Freight Approach



- **Not** just “another standard”
- **Aligning** existing standards
- Common understanding of underlying concepts
- **Internally**, use own terminology and existing systems
- **Externally**, co-ordinate business activities using a **common language**

e-Freight



e-Freight receives funding from the EC FP7 Sustainable Surface Transport Programme

Business Need 1



Reporting to Authorities

Background and Context



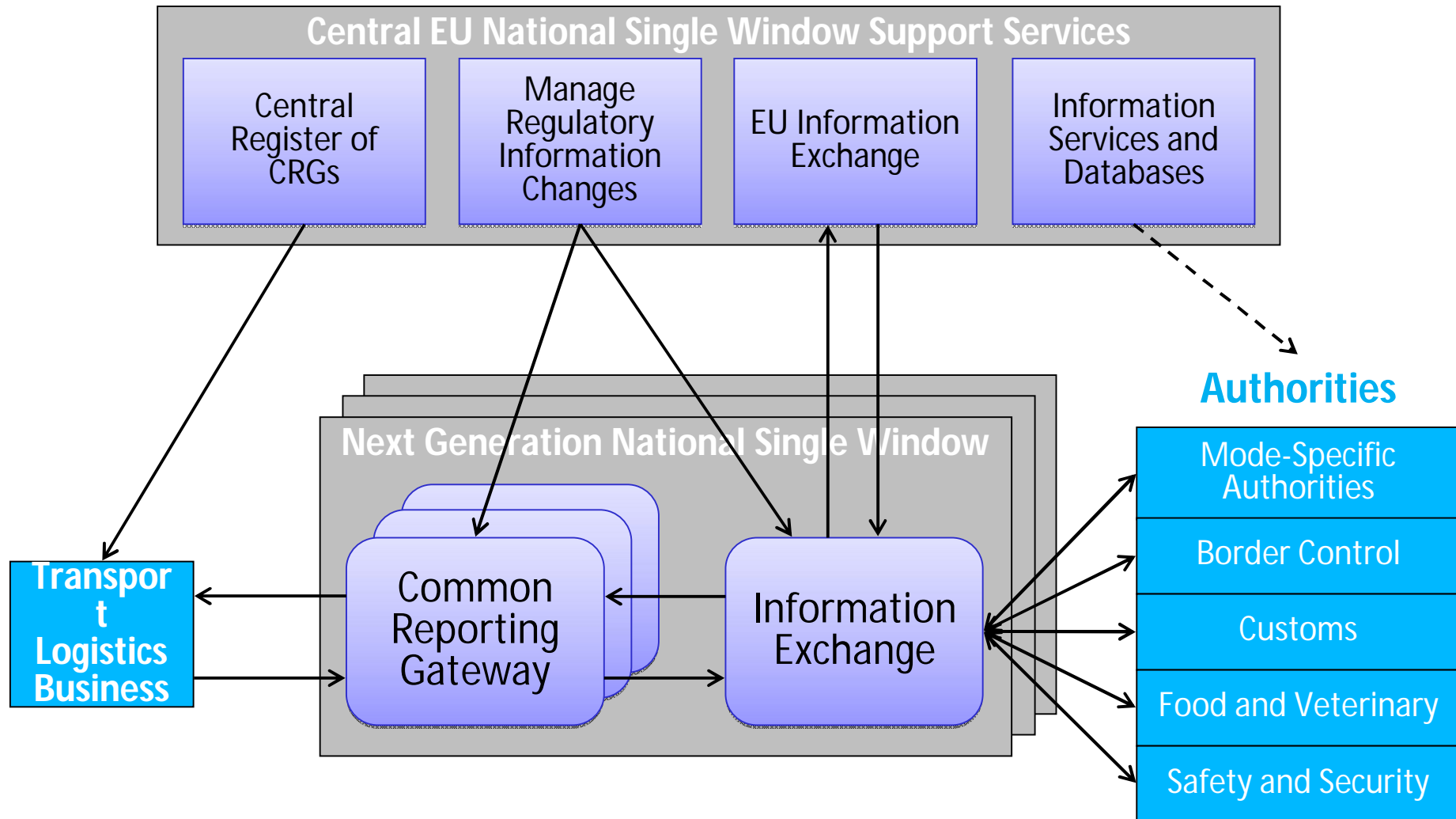
- **UN Single Window Concept (Recommendation 33)**
- **Initiatives at International Level**
 - WCO, APEC, ASEAN
 - Trade focussed
- **EU Level Initiatives**
 - **e-Customs** → Customs Single Windows (ICS/ECS)
(Modernised Customs Code Programme)
 - **SafeSeaNet** → Maritime Transport Single Windows
(VTM and Ship Formalities Directive)
 - e-Freight, e-Maritime, RIS, TAF/TSI, ITS...

e-Freight Developments



The e-Freight Next Generation Single Window Concept

Next Generation SW Concept



Harmonised Reporting



- A **standard form** for trade and transport to report to Authorities
- **All** information **necessary and sufficient** for reporting
 - in **all** Member States
 - for **all** modes
- **Automatically** generated from operational data in **existing systems**
 - reporting to authorities = clicking a button

Benefits



- Wherever and whenever reporting is required, format is the **same**, irrespective of **mode** or **transport route**
- Businesses must manage an interface with **only one** system in each Member State
- Authorities are able to **exchange information** to enhance safety, security and environmental risk management

Business Need 2



- Make multimodal transport a more attractive option
- Enable exchange of information between stakeholders involved in the transport of goods
- Provide uniformity of waybills in multimodal transport chains

Transport Documents Today



- Important role in information exchange
- Many conventions, regulations and standards
 - Modes
 - Countries
 - Organisations
- No uniformity in **type, function** or **content**
- Burden on **multimodal** transport operators

e-Freight Developments



The e-Freight Single Transport Document

Developing a Solution



- **Information foundation:**
 - IATA *e-Air Waybill*
 - FIATA *Non-Negotiable Multimodal Transport Waybill*
 - BIMCO *Multimodal Transport Waybill*
- **Mapping to e-Freight Framework**
 - Consistent terminology
 - Integration
- **Definition of content and structure**
 - Information model

e-Freight Single Transport Document



Party Information

Logistics Service Provider

Party Name:	DSV	Company Information	Registration Name:	DSV A/S	Contact Details	Telephone:	+897345458
Party Identifier:	234567317	Registration Number:	0029459823	Contact Details	Telefax:	+89073452045	
Account Number:	00 45 32 56 23	Contact Person	First Name:	Jon	Electronic Mail:	jon@dsv.com	
Account Note:		Last Name:	Hansson	Address:			

Logistics Service Client (Shipper)

Party Name:	Pharma Shanghai	Company Information	Registration Name:	harma shanghai Ltd	Contact Details	Telephone:	+34508023
Party Identifier:	9275834	Registration Number:	82453400	Contact Details	Telefax:	+093534507	
Account Number:	330034588	Contact Person	First Name:	Xian	Electronic Mail:	xiand@pahma.com	
Account Note:		Last Name:	Ding	Address:	Nangang Hwy 123		
					Shanghai		

e-Freight Single Transport Document



Transportation Segments							
Seq #	Transport Mod...	Origin	Destination	Estimated Dep...	Estimated Arrival	Transport ID	Transport Mea...
0	MAR	Shanghai	Hamburg	Tue Jul 05 10:56...	Tue Jul 05 10:56...	IMO239356	Freighter
1	RAIL	Hamburg	Kiel	Tue Jul 05 10:56...	Tue Jul 05 10:56...	876AHHDJ834	Goods Wagon
2	MAR	Kiel	Gothenburg	Tue Jul 05 10:56...	Tue Jul 05 10:56...	IMO8942644	Freighter
3	ROAD	Gothenburg	Alingsas	Tue Jul 05 10:56...	Tue Jul 05 10:56...	F345 AOG	Lorry

e-Freight Single Transport Document



Transport Handling Units

THUs

- Transport Handling Unit [THU_0]
 - Transport Equipment [TE_0]
 - Package (8)
 - Goods Item (50)**
- Transport Handling Unit [THU_1]

Goods Item (50)

ID:	570
Description:	AS No.:64872-77-1
Commodity Classification:	IMDG 9-9883
Gross Volume:	0.4000
Gross Weight:	3.5000
Country of Origin:	CN
Country of Final Destination:	SE

e-Freight Single Transport Document



- **Standard electronic multimodal waybill**
 - **Flexible** solution
 - Applicable in all Member States and across all modes
- **One** document for the **whole** transport chain
 - Information input at start
 - Updated along transport chain
- Enables and supports a **consistent legal framework**
 - Predictable liability
- Reduced cost for stakeholders in multimodal transport chains

Thank you



Discussion