

.....CROSS-BORDER TRANSACTIONS.....
ON THE FAST TRACK.....→

DATA HARMONIZATION, The AU SDS, JEMS System



World Customs Organization



Data Harmonization

- **Essentially to do with standards**
- **Aim is to reduce redundancy, duplication and ambiguity**
- **Capture/Define/Analyze/Reconcile**
- **WCO Data Harmonization Guidelines V2 and UN/CEFACT Recommendation 34**
- **UNTDDED, DMv3**





Data Harmonization

- ❑ **Capturing** – a simple (and real) example from the US ITDS:
 - **Port of Unloading (Loc. where goods are removed from a ship)**
 - **Port of Unlading (where consignment is taken off the airplane)**
 - **Port of Unloading Domestic/Foreign**
 - **Port of Unlading Domestic/Foreign**





Data Harmonization

Defining & Analyzing

- All are “the location where the goods are removed from the conveyance”
- Loading/Lading are synonymous
- “Foreign/Domestic” determined by transaction – export implies “foreign”
- Locate existing coded & free text means of how such a location might be represented (UN, ISO, Domestic Codes)





Data Harmonization

☐ Reconciling

- Agree on one name (say “unloading”)
- “Foreign/Domestic” can be eliminated
- In UNTDED = “Place of Discharge”
- Used in this way in WCO DM (Ref. 3225)
- 6 data representations become 1





The AU SDS

- **October 2003, SITPRO/WCO**
- **V2 of the Data Model**
- **e-Cert**
- **2004 – Prime Minister's Office and Committee on trade lane security**
- **2004 – SDS and SW business case & Department of Finance**





The AU SDS

- **Late 2004 – form project team**
 - **Leader**
 - **Data/IT architecture**
 - **Business process and legal**
- **2005 – team formed, work begun**
- **Deadline October 2005**
- **to create AU SDS and business case for SW**





The AU SDS

- **41 Government Agencies**
- **7,649 data elements collected**
- **275 paper forms**
- **Reduced to 3993 with the elimination of “same as” elements within agencies**
- **Harmonised to 718 prior to agency review**
- **After first quick review = 650**
- **Eventually around 450 (DMv3, CBSA)**





- **22 Agencies collect the name of the exporter**
- **On 118 different forms**
- **Used 212 times on those 118 forms**
- **Described in 61 different ways**
- **Required in 16 different formats, ranging from 20 to 300 characters in length**
- **The Australian SDS standardised to one data element (Exporter Name) of 70 pos. length.**



Select Packet Data Item

Filter by Name

exporter

Filter by Format

Filter by Definition

Double-click or press Enter on an instance to select it

Count: 223

Name	Format	Definition	Organisation
Exporter Cert Reference	an..35	If Certificate Request function is used Exporter must give a certifi	AQIS
Exporter company name	unknown	Name of the exporting company	OCS
Exporter Contact Name	a.75	Name of Company's contact	WEA
Exporter Contact Name	a.75	Name of Company's contact	WEA
exporter convicted of an offence	alpha	any previous offences for exporter	DEH
Exporter convicted of an offence against commonwealth	alpha	Exporter convicted of an offence against commonwealth indicat	DEH
Exporter Declaration	an..210	Declaration of the goods made by the Exporter	AQIS
exporter email	an..200	exporter email address	AQIS
exporter email	an..200	exporter email address	AQIS
Exporter entity name	a	Entity name of the exporter	AWBC
Exporter entity name	a	Entity name of the exporter	AWBC
exporter fax	an..35	exporter fax number for receipt of permit	AQIS
exporter given name	an..25	exporter first name	AQIS
Exporter Licence	a..10	Licence No for exporter	ASNO
Exporter name	anl.	Name of exporter	AQIS
Exporter name	anl.	Name of exporter	AQIS
exporter name	a	The exporter's name	DEH
exporter name	a	The exporter's name	DEH
exporter name	a	The exporter's name	DEH
Exporter Name	an	Name of Exporter	AQIS
Exporter Name	an	Name of Exporter	AQIS
Exporter Name	an	Name of Exporter	AQIS
Exporter Name	an	Name of Exporter	AQIS
Exporter Name	a..25	Name of Exporter	ASNO
Exporter name	anl.	Name of exporter	AQIS

Exit



A specific example of Data Management!

- **One agency's single data concept**
- **A single IT system**
- **Used in 17 different business contexts**
- **3 field sizes: 128, 250 & 2560ch!**
- **Standard UN/WCO definition 128ch**
- **Actual average data length reported by trade = 17 characters!**





JEMS

- **Customs and Quarantine always worked closely in AU**
- **Both had/have extensive IT systems**
- **Import declarations and QE's**
- **JEMS (around 2000) allows single data input for both forms**
- **Hosted on Customs system**
- **“Hard wired” quarantine profiles – eg: Chapters 1-5, Chapter 44**
- **Declaration data prepopulated in QE screen when relevant (great majority of required data already present)**





JEMS

- **Not a true single window**
- **Caters for the majority of “single window like” transactions**
- **Highly effective, became part of redeveloped CMR in 2005**
- **No immediate plans in AU to do anything more**



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