



WORLD CUSTOMS ORGANIZATION
ORGANISATION MONDIALE DES DOUANES

WCO Data Model Applications – Trader Perspectives

Sue Probert

Many Different Trader Interests

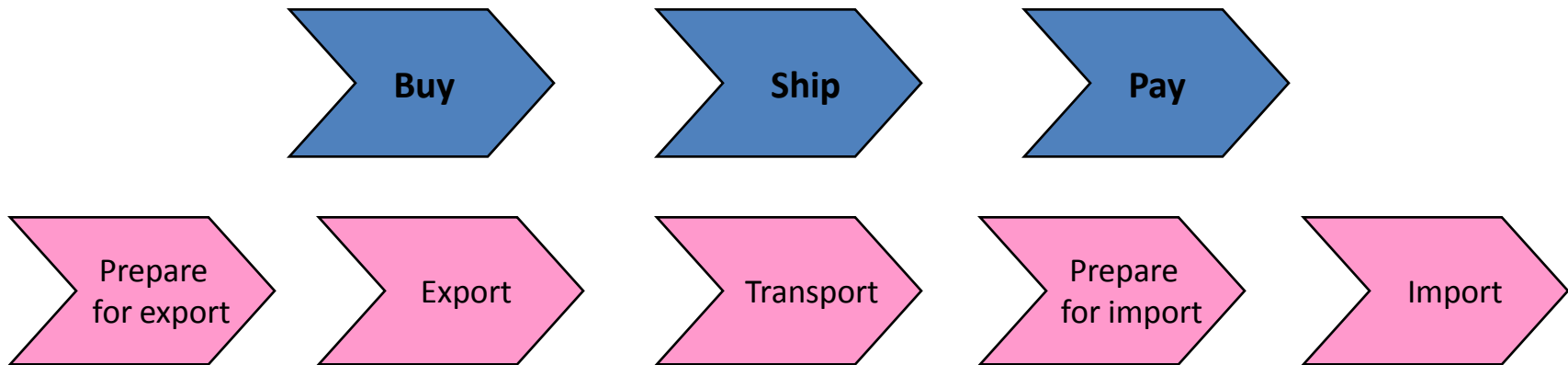
- Declarants
 - Importers and Exporters
 - Carriers
 - NVOCCs (Non-Vessel Owning Common Carrier)
- Agents
 - Freight Forwarders
 - Third and Fourth party logistics providers
 - Customs Interface service providers
- Software System Providers
 - Import/export software systems providers
 - Customs, Cross-Border Agency and Single Windows software providers
 - Web-based cross-border solutions



Increasing Challenges and New Opportunities

- Revised Kyoto Convention and new national and regional legal requirements place ever greater responsibility on importers/exporters and carriers for the provision and accuracy of their declared data
- Similarly cross-border International Conventions are developing electronic equivalents for trader required certificates, Licences etc. and are increasingly encouraging electronic rather than paper submissions
- Direct filing efficiencies
- Ever increasing data collection requirements in quantity and timing
- Agents challenged to adjust to the changes and enter new markets
- Emerging technologies
- Single Windows single submission interfaces requiring more coordinated data management

UN/CEFACT International Supply Chain Reference Model



Commercial Procedures

- Establish sales contract
- Order goods
- Advise on delivery
- Request payment

Transport Procedures

- Establish transport contract
- Collect, transport and deliver goods
- Provide waybills,
- Goods receipts, etc.

Regulatory Procedures

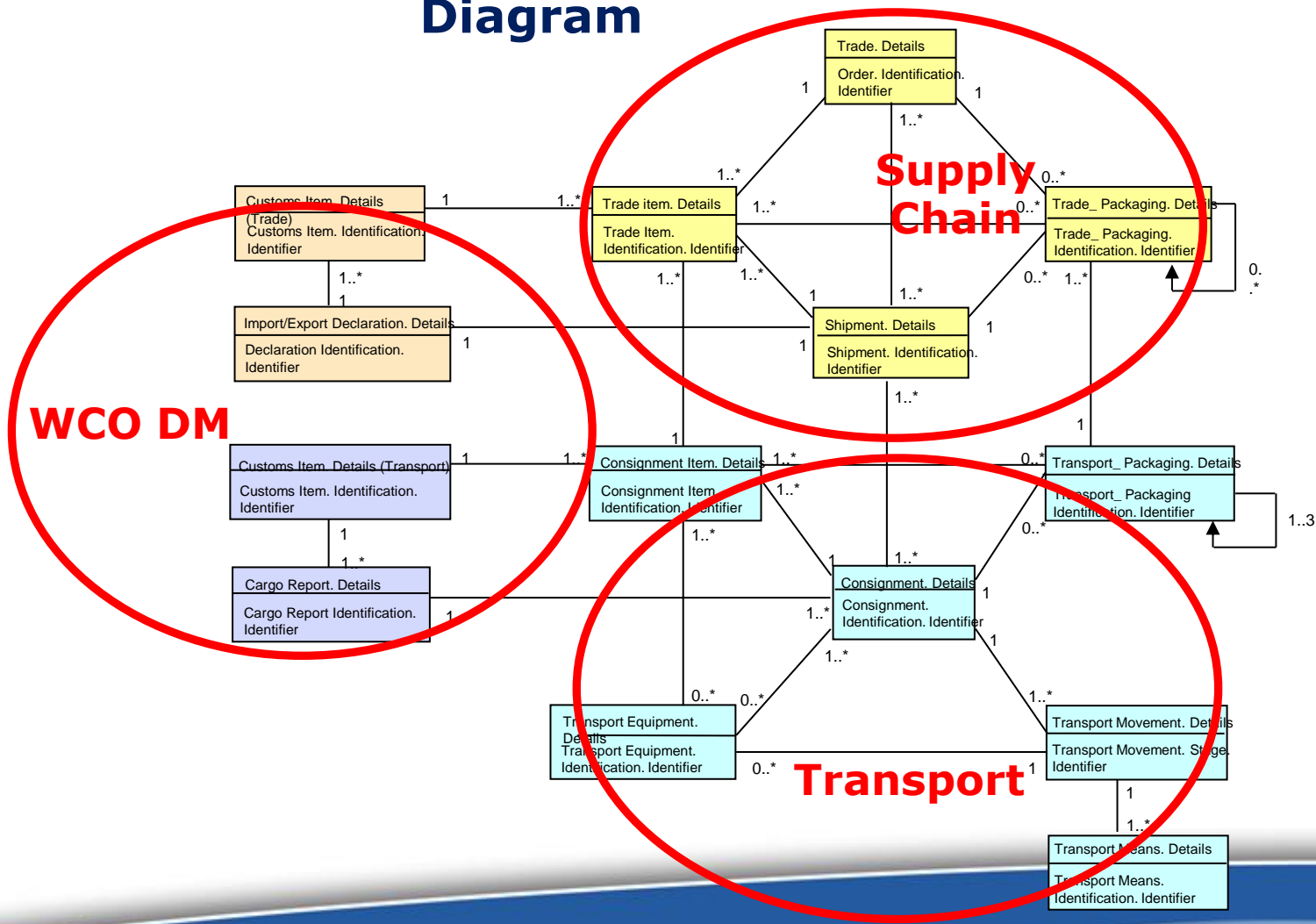
- Obtain im/export licenses etc.
- Provide Customs Declarations
- Provide cargo Declarations
- Apply security measures
- Clear goods

Financial Procedures

- Provide credit rating
- Insurance
- Execute payment
- Issue statements



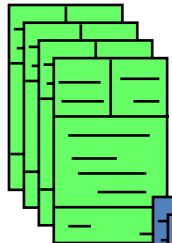
The UN/CEFACT International Supply Chain Data Entity Diagram





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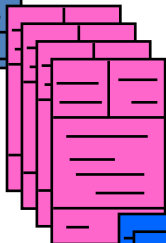
The Paper World of Today based on the UN Layout Key



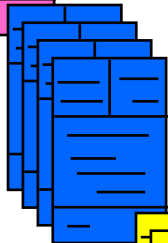
Trade Documents – Quotation, Order, Invoice etc.



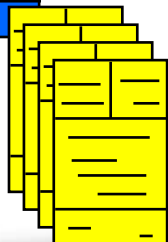
Materials Management Documents – Despatch Advice, Pick List, Packing List etc.



Transport Documents – Bill of Lading, Shipping Instructions etc.



Customs Documents – Export, Import, Transit Declarations, Cargo Reports etc.

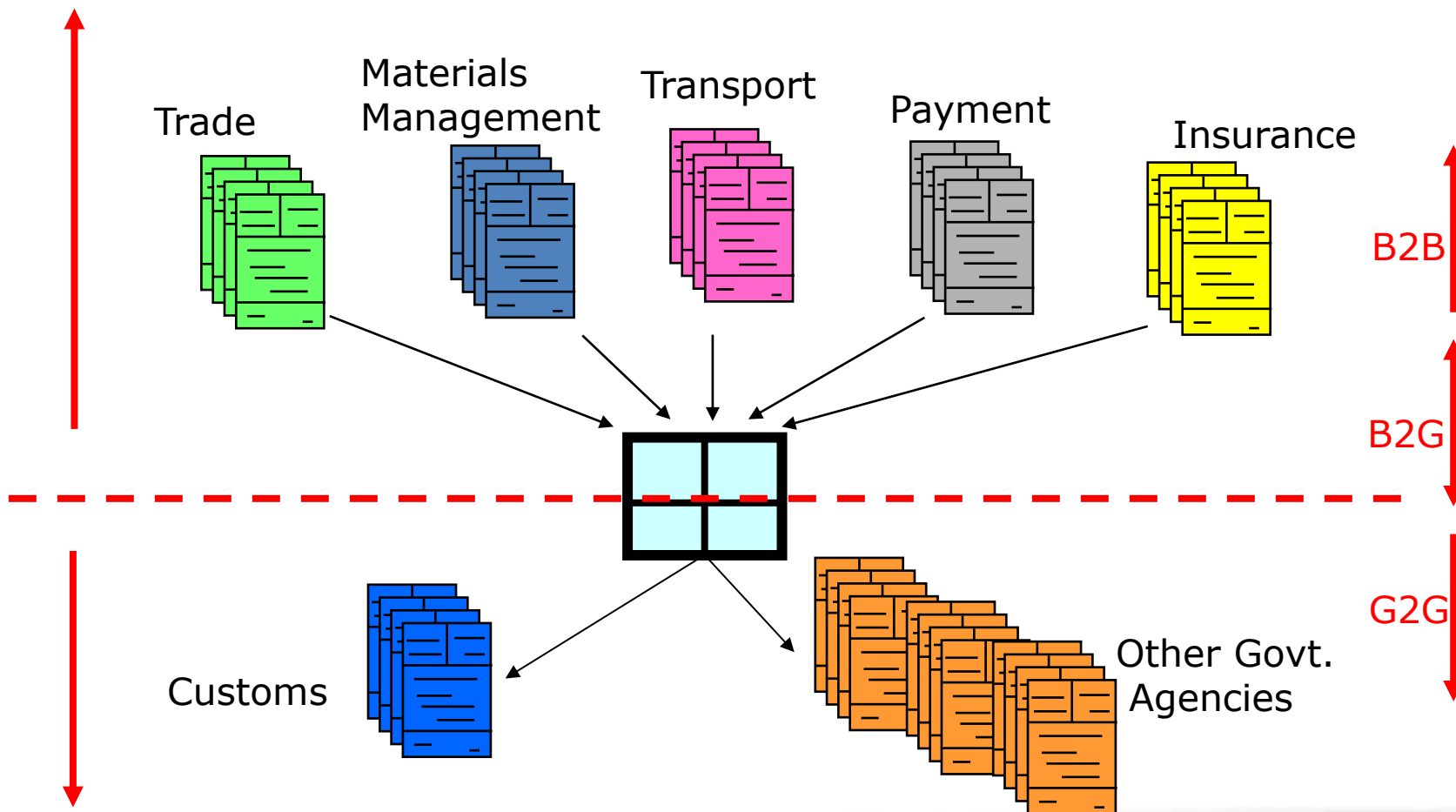


Other Regulatory Documents – Cert of Origin, DGN etc.



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View of a Future Electronic World through Single Windows





What does the WCO DM offer Traders

- Global language to talk to Customs and Partner Border Agencies
- Common global approach across cross-border Agencies
- Harmonised procedures
- Harmonised and object modelled data structures
- Hierarchical reusable message structures
- Aligned Information Package methodology
- More common interfaces will be possible globally following increased adoption by multiple agencies

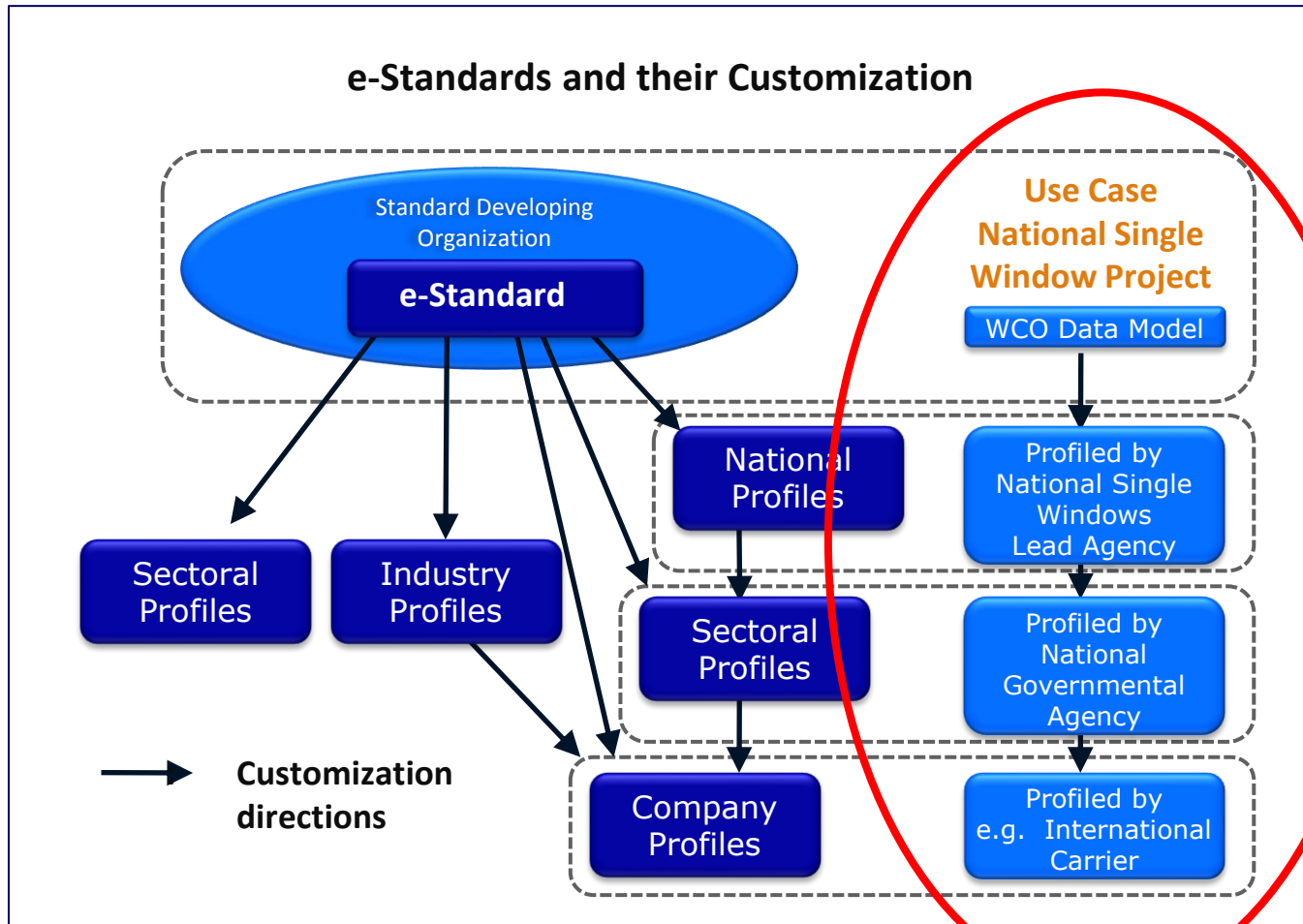


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WCO Data Model Applications – Example Trader Use Cases

Sue Probert

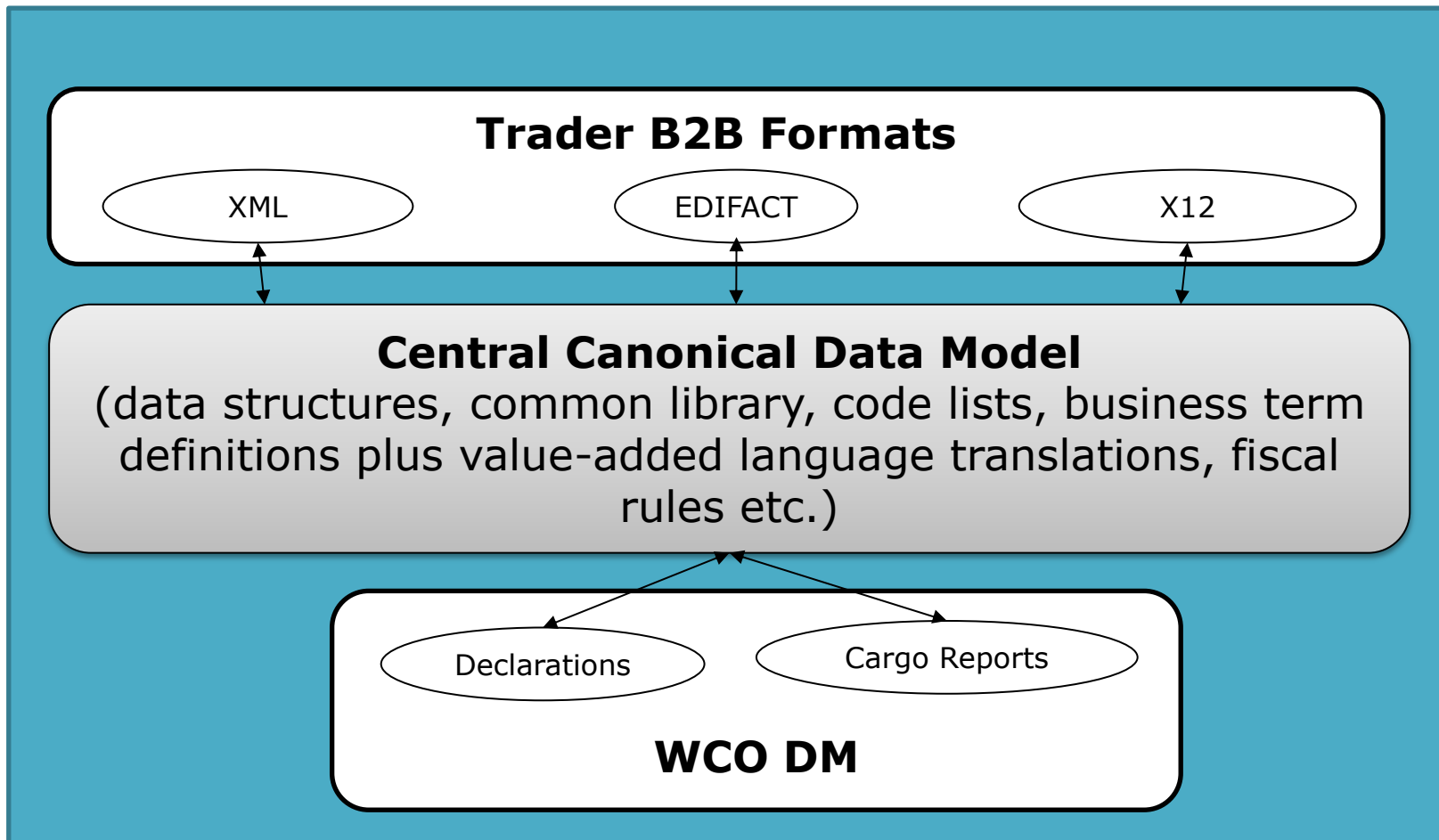
Single Window Use Case



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Canonical Data Model Use Case



Mapping \longleftrightarrow

July 2011

