

# **UN/CEFACT Transport & Logistics Domain Update**

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# UN/CEFACT Work Program

- Business Standards
  - Process Models
  - Reference Data Models (MMT and SC)
  - **Semantic Libraries** (UNTDED, Core Component Library (CCL) and UN/EDIFACT Directories)
- Trade Facilitation Recommendations
- Technical Specifications

# UN/CEFACT Transport & Logistics Domain Scope

## Processes

**Commercial -  
Booking,  
Instruction,  
Status Tracking  
etc.**

**Operations -  
Container Handling  
Berth Management  
etc.**

**Regulatory Interfaces -  
Cargo Reports  
IMO/FAL, SOLAS  
Dangerous Goods PROTECT  
Port Health  
CITES  
etc.**

## Geographic Reach

**Global**

## Principles

***Multimodal and  
Intermodal***

***Sales Contract/  
Transport  
Contract***

**FCL and LCL -**

***Single and  
Multiconsignment***

***Consolidation/  
Deconsolidation***

# T&L Roadmap and Touchpoints with SMDG workplans

- Common Global scope Domain Framework
- MMT project
- Regulatory Requirements
  - New proposed UN/CEFACT Ship Security project SeDAP
  - SOLAS VGM
  - EU OLAF (European Anti-Fraud Agency)
  - WCO Data Model, US ACE Program, UCC and EUCDM etc.
  - IMO FAL Convention maintenance & WCO Data Model and GOVCBR
  - PROTECT
- EU Port Single Window directive – multi XML standards but no EDIFACT except maybe GOVCBR
- UNLOCODE
- Relationship with ISO TCs – 104 and 8

# T&L UN/EDIFACT DMR support for SMDG

- BAPLIE v3 Recast boilerplate - done
- VGM specific codes for existing message structures to support VGM
- VERMAS boilerplate
- Future SMDG EDIFACT DMR work plan?

# Working Together

- UN/EDIFACT DMRs
- Reciprocal Meeting Attendances (Next UN/CEFACT Forum Marseilles Nov 2-6<sup>th</sup>)
- MMT project – register interest
- Joint ITIGG work plan
- UNLOCODE developments
- Regulatory requirements support



ITIGG is a subgroup of the T&L Domain and is an international group of experts engaged in the development and implementation of UN/EDIFACT standard messages for electronic trading in the transport industry.

ITIGG harmonised UN/EDIFACT guidelines provide consistent usage recommendations which can be applied across all transport modes.

ITIGG's work was developed in conjunction with SMDG and ITIGG guidelines are published via the SMDG website.

# ITIGG Principles and Rules for UN/EDIFACT implementation

- **General Recommendations**

Recommendations on segment, data element and code usage which should be applied to all messages implemented for use by the transport industry. All specific recommendations for particular messages reflect these basic principles.

- **Transport Freight Movements** - version 2.0

Recommendations for use of the (IFTMBC), Shipping or Forwarding Instructions (IFTMIN), Bills of Lading or Waybills (IFTMCS) and Arrival Notices (IFTMAN), as well as the multi-consignment IFCSUM message.

- **Transport Equipment Movements** - version 2.0 (maritime)

(Operational Equipment-based Messages - CO\*\*\*\*) for use of the UN/EDIFACT Container Message Set - O\*\*\*\* messages, including messages for Gate Movement Reports and Equipment Status Changes (CODECO), Ship Loading and Discharge (COPRAR and COARRI) and Equipment Movement Pre-notification (COPARN), amongst others.

- **Application Acknowledgement Message** - version 2.0

Recommendations for use of the UN/EDIFACT APERAK message.

- **Status Tracking Messages version 2.0 (multimodal)**

Recommendations for use of the UN/EDIFACT messages for requesting and reporting cargo/consignment status and consignment tracking (IFTSTQ/IFTSTA).

- **Transport Equipment Damage & Repair Message** - version 1.0

Recommendations for use of the UN/EDIFACT DESTIM message.

- **Dangerous Goods Messages** - version 1.0

Recommendations for use of the UN/EDIFACT IFTIAG and IFTDGN messages.

- **Berth Management Message** - version 1.0

Recommendations for use of the UN/EDIFACT BERMAN message

# ITIGG Principles and rules - Example

## RECOMMENDATION JM4/354 - USE OF THE RFF TRIGGER SEGMENT WITHIN THE RFF GROUP WITHIN THE TDT GROUP

### FUNCTION OF THE SEGMENT

This RFF segment is the trigger segment of the RFF Group and is used to specify a reference which applies to the stage or means of transport specified in the preceding TDT segment.

### RECOMMENDED SEGMENT USAGE

Use of the RFF trigger segment within this group is mandatory in all messages with one repeat.

### RECOMMENDED SEGMENT DETAIL

MSG	REC	ELEMENT	DESCRIPTION	SIZE/TYPE
M	M	C506	REFERENCE	
M	M	1153	Reference qualifier	an..3
		AAY	Carrier's agent reference number	
		CN	Carrier's reference number	
		CV	Container operators reference number	
		[SSX]	Ship's Stay Reference	
		ABZ	Vehicle License number (registration number)	
		VON	Voyage number (Alternative)	
		VT	Motor Vehicle Identification Number (VIN number)	
C	R	1154	Reference number	an..35
C	O	1156	Line number	an..6
C	X	4000	reference version number	-

### NOTES ON RECOMMENDATION

- 1153: The code VON is only required if a second voyage number is to be transmitted, other than the vessel operator's number which always appears in the TDT.  
The code CV refers to a slot charterer on a vessel, or a vessel sharing partner.

# UN/CEFACT MultiModal Transport Project (MMT)

- Providing Exchange Syntax Neutral Reference Data Model for Supporting Domain and Cross-Domain Data Exchange Interoperability
- Supporting Cross-Border Regulatory Interfaces
- Providing Migration Paths from UN/EDIFACT and UN/Layout Documents
- Providing mappings to Related Data Models e.g. UN/CEFACT Supply Chain and WCO Data Models

# MMT Project Leadership

- Leader Mr David Hesketh (UK Customs)
- Co-Leader Ms Anne Sandretto (FR TLF)
- Lead Editor Ms Sue Probert (SEPIAeb)  
[sue.probert@sepiaeb.com](mailto:sue.probert@sepiaeb.com)

# MMT Project Deliverables

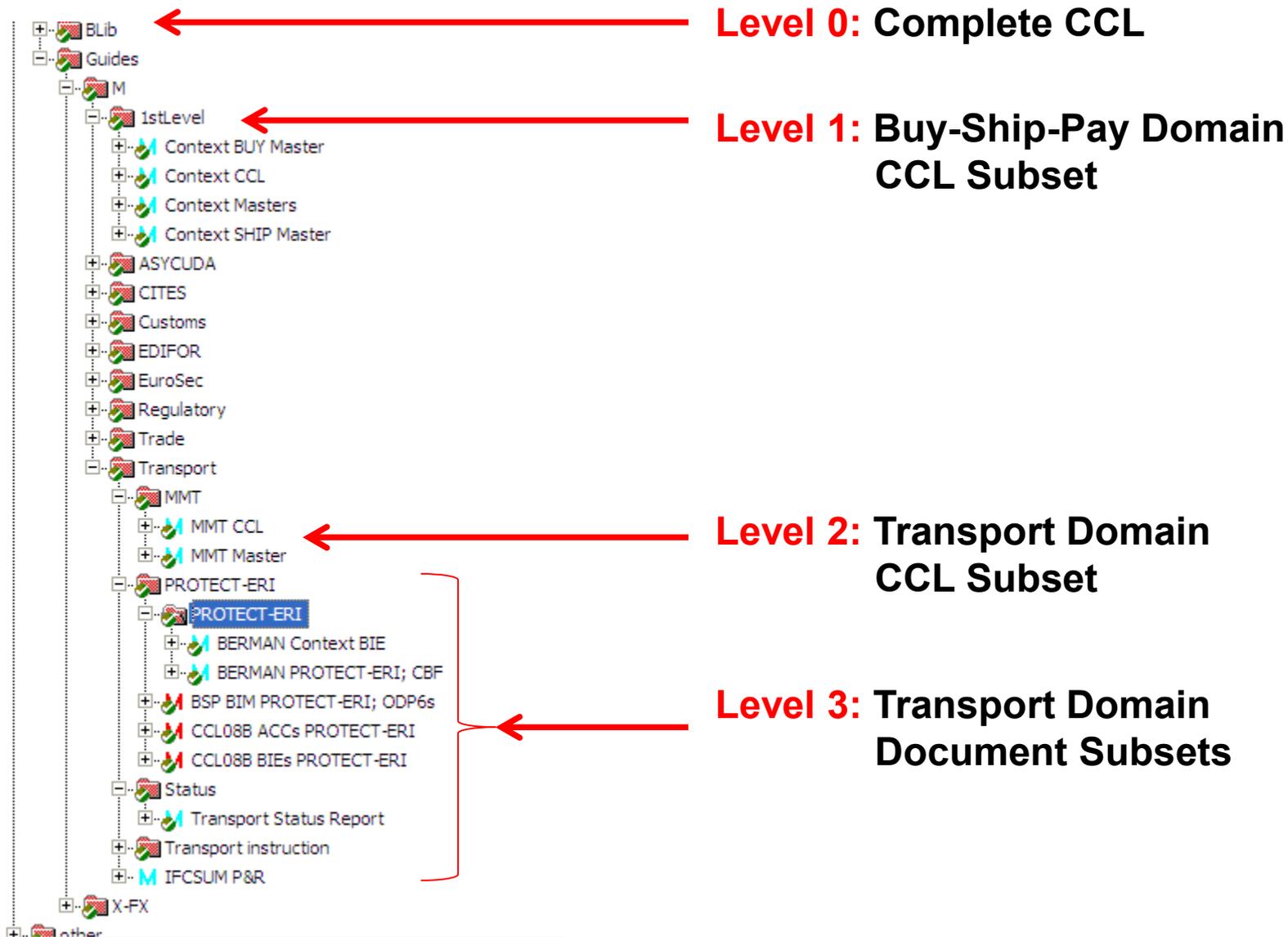
- a) A structured MultiModal Transport reference data model based on the latest release of the UN/CEFACT Core Component Library (CCL)
- b) Semantics links with the Transport UN/EDIFACT messaging and other relevant standards/data dictionaries (TDED, TDID, ITIGG, GS1, WCO data Model.....) to support increased interoperability between data exchange structures and to support standardised mappings with different trading partners
- c) Guidelines to produce XML messages based on the UN/CEFACT Core Component Business Document Assembly (CCBDA) and the UN/CEFACT NDR (XML Naming and Design Rules)

The **MMT** project is strongly related to the parallel Supply Chain Data Reference Data Model (**SCRDM**) project and both support the UN/CEFACT International Supply Chain Reference Model also known as the **Buy/Ship/Pay** Business Process Reference Model and the UN/CEFACT Single Windows recommendations.

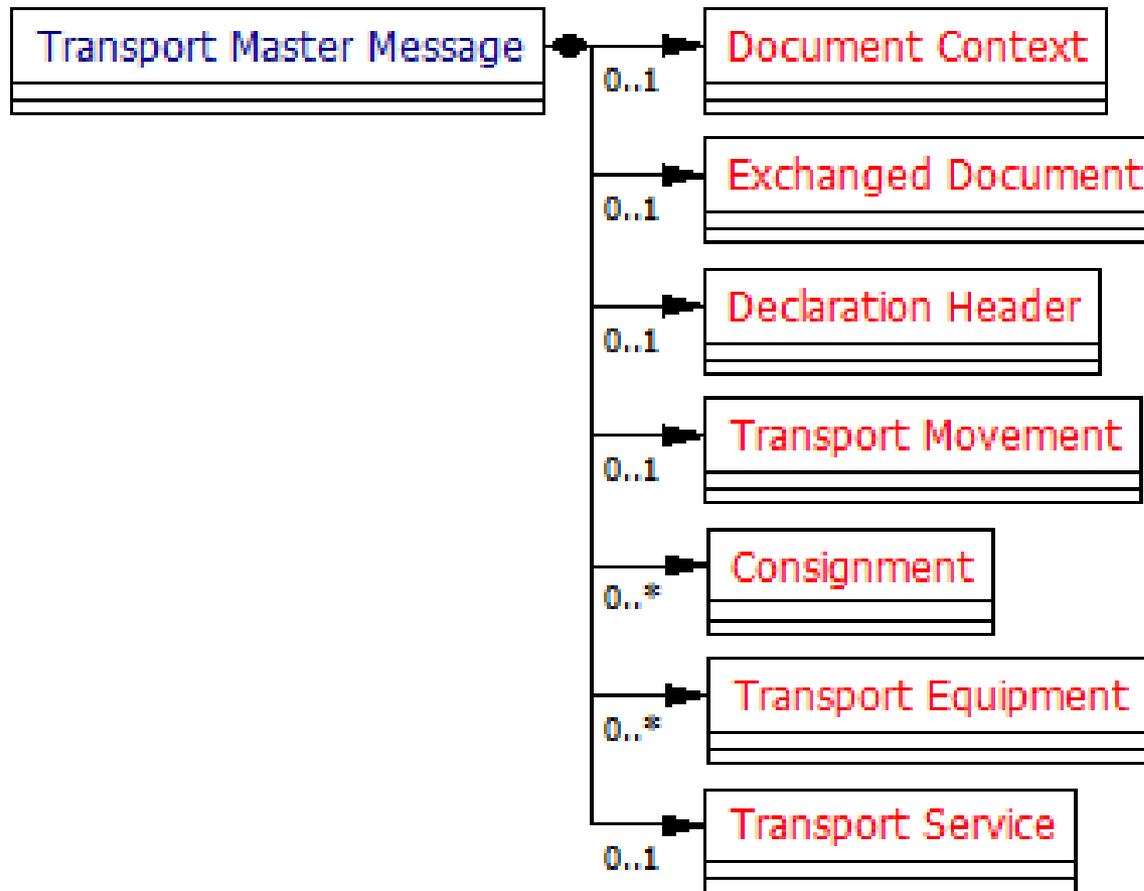
# MMT Project Contributions

- UN/CEFACT Core Components Library – CCL v2.01
- UNECE Recommendations and Code Lists
- UN/EDIFACT EDI documents/messages relating to Road, Maritime and Air Transport, Railroad, Authorities, including IMO FAL Forms
- Recommendations from ITIGG ((International Transport Implementation Guidelines Group)
- Guide to the UN/EDIFACT containers messages (SMDG/TBG3/ITIGG)
- BRS for International Forwarding and Transport
- WCO Data Model
- IATA CargoXML
- Plus relevant others as become available

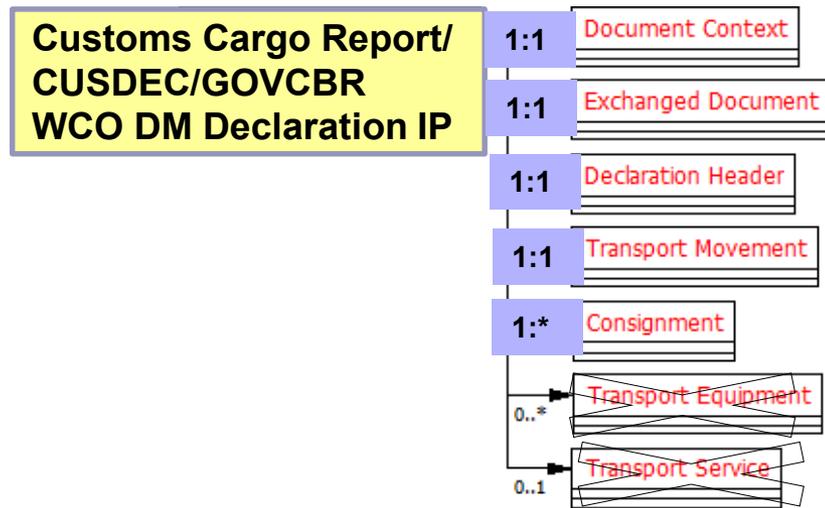
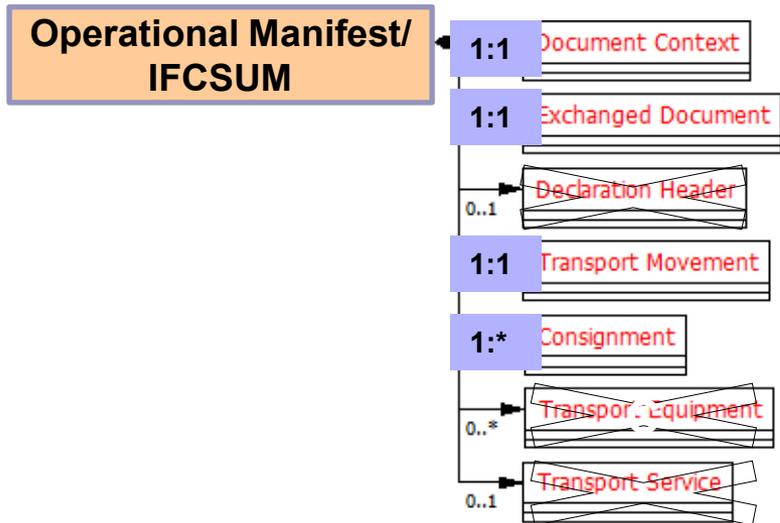
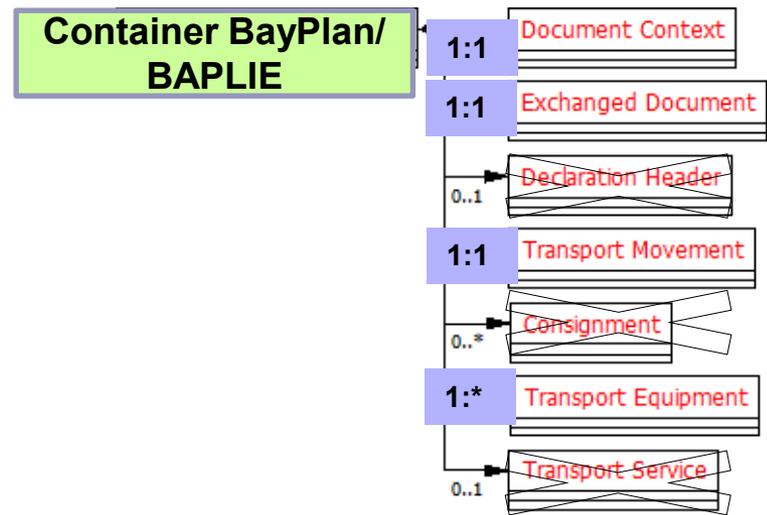
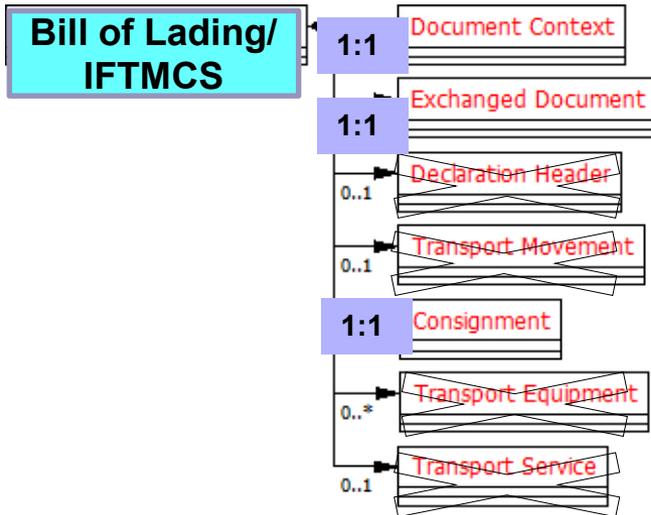
# Relationship of MMT to CCL



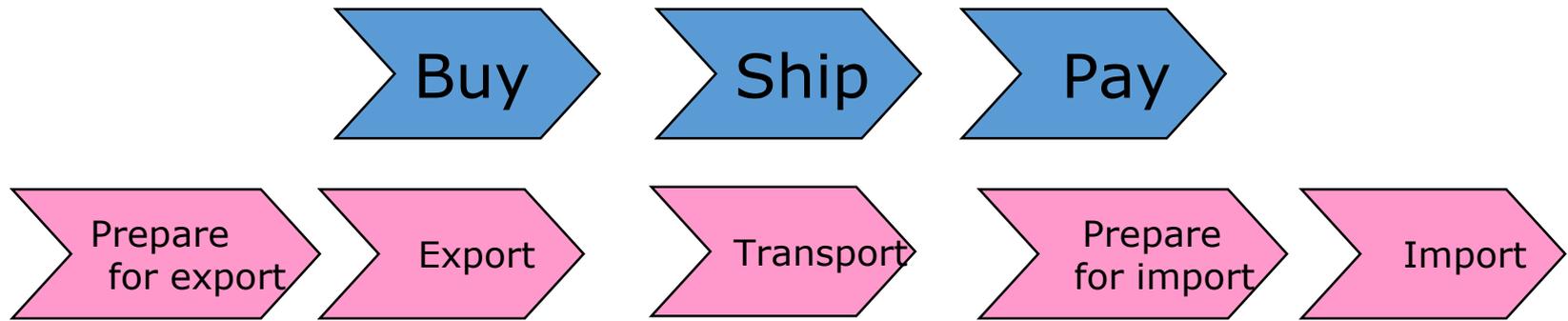
# MMT Master Message Structure



# Subset Message Structures



# UN/CEFACT Buy/Ship/Pay (BSP) Business Process 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.

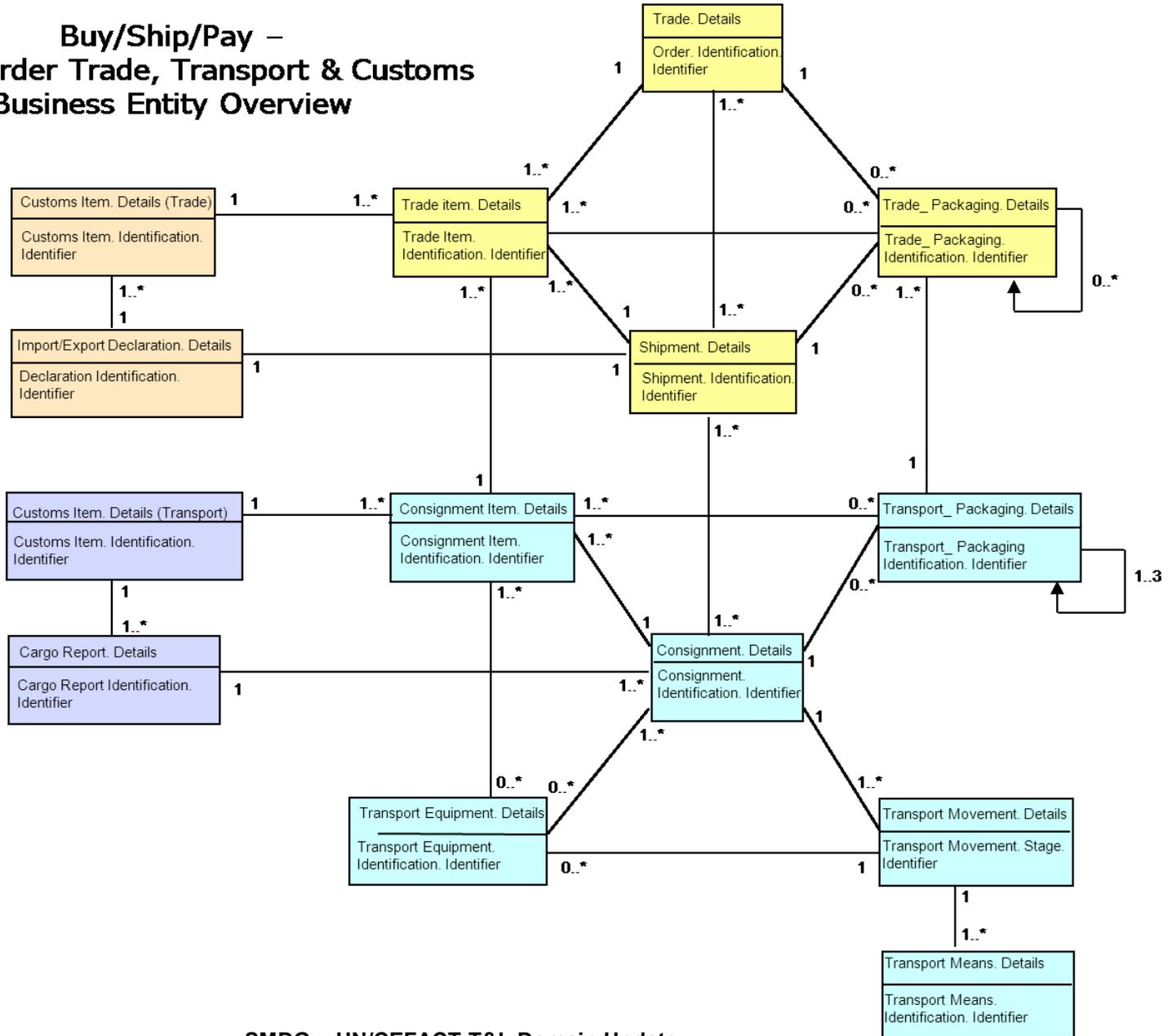
## Regulatory Procedures

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

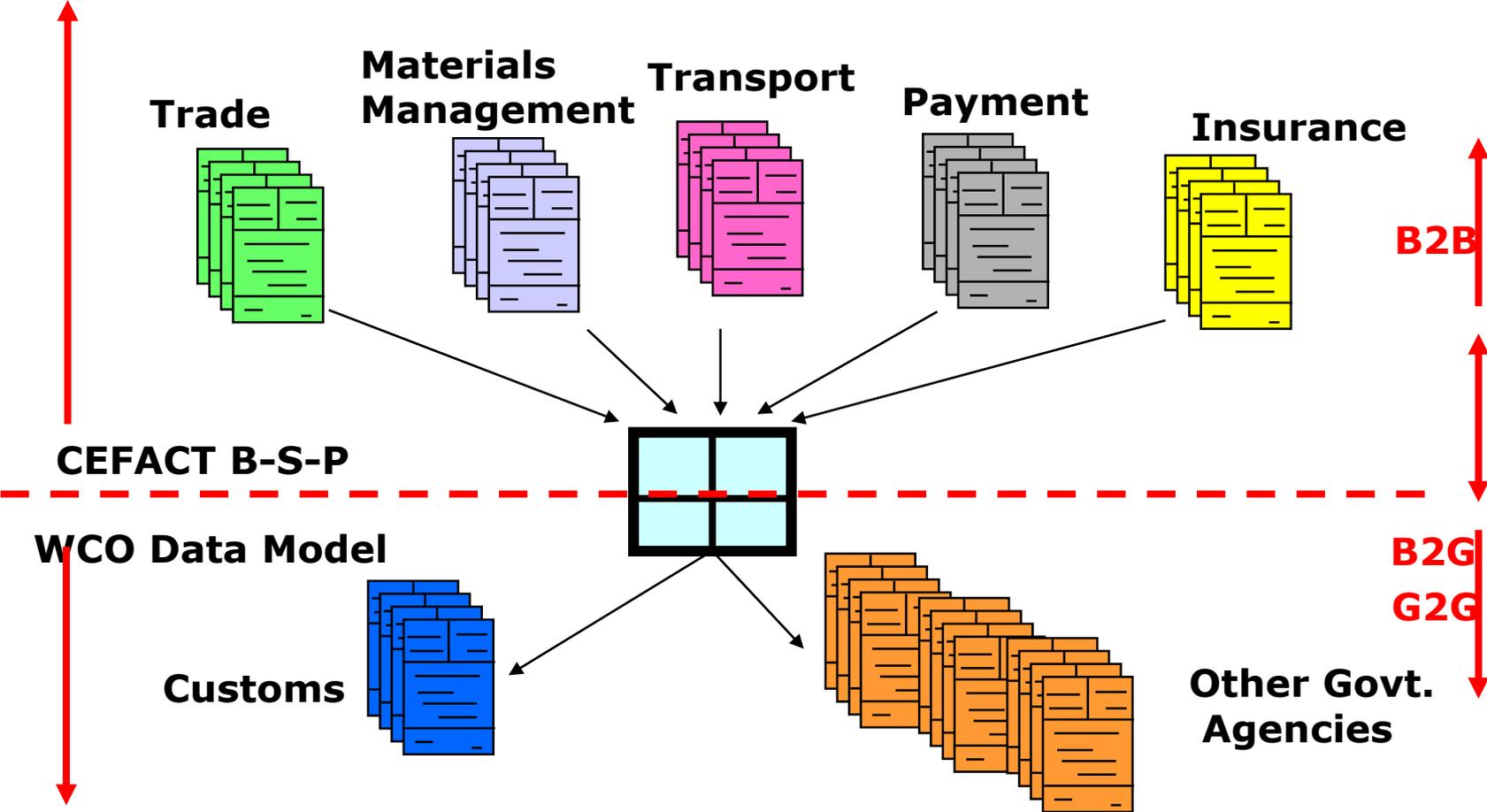
## Financial Procedures

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

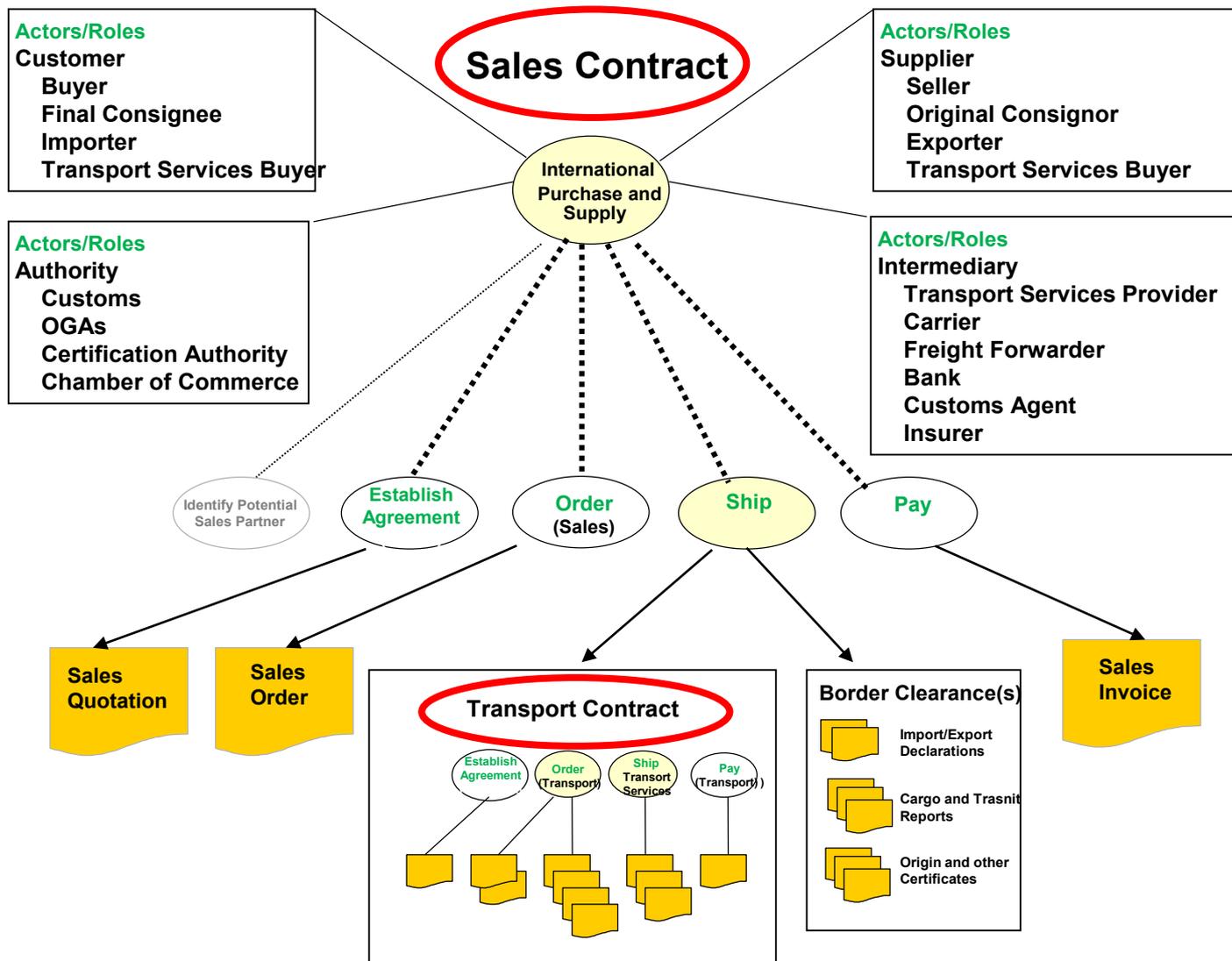
# Buy/Ship/Pay – Cross-Border Trade, Transport & Customs Business Entity Overview



# Single Windows document families



# The Relationship between the Sales and Transport Service Contracts



# The Transport Service Contract

