

UN/CEFACT Project: Supply Chain Reference Data Model (SCRDM)

Project Presentation/Kick-Off

UN/CEFACT Supply Chain PDA Supply Chain Management Domain

SCRDM Project Announcement

Initiation on UN/CEFACT Home Page

Call for Participation on Project “Supply Chain Reference Model (SCRDM)”.

Following approval of the [“Supply Chain Reference Data Model \(SCRDM\) Project”](#) this is to announce a call for participation.

This Project concerns developing a Supply Chain reference data model (SCRDM), as a limited structured subset of the UN/CEFACT ebXML Core Components Library, providing semantic links especially between the Core Components and the EDIFACT implementations. To register interest in participating or for more information please contact Mr. [Rolf Wessel](#).

SCRDM Project Purpose

The proposed project is, therefore, to develop an international Supply Chain Reference Data Model, with the following objectives:

- Development of a reference data model which will be based on the Reference ABIE structures of the Core Component Library and designed to be easily maintainable by UN/CEFACT
- Provide, through this reference data model, a standardized and harmonized semantic framework fully compliant with UN/CEFACT Core Components which will be easy to use and which will encourage interoperability between syntaxes for data exchange structures
- Provide links between UN Layout Key documents, UN/EDIFACT message implementation structures and the Core Component Library for reuse in syntax (including XML) implementations
- Produce guidelines for using the reference data model to define subset document structures

Overall SCRDM Project Goals

- deliver a CCL-based reference data model in the form of a family of CCBDA-based exchange syntax-neutral subset message structures - not syntax specific message structures
- deliver easy to reuse supply chain subset of the CCL covering key cross-border supply chain processes

Further SCRDM Project Goals

- Providing an Exchange Syntax Neutral Reference Data Model for Supporting Domain Data Exchange Interoperability
- Supporting Cross-Border Supply Chain Regulatory Interfaces
- Providing Migration Paths from UN/EDIFACT and UN/Layout Documents
- Alignment with MultiModal Transport (MMT) Reference Data Model Project
- Providing mappings to Relevant Related Data Models

SCRDM Project Contributions

Initial contributions will be sourced from existing documentation and standards including:

- UN/CEFACT Core Components Library (CCL)
- Cross-Industry BRSs for supply chain processes
- UN/CEFACT published Cross Industry (CI) Supply Chain Message Assemblies
- UN/EDIFACT messages relating to Supply Chain
- UNECE Recommendations and Code Lists
- CCTS and CCBDA technical specifications

There are no known IPR issues and there are no planned formal collaborations.

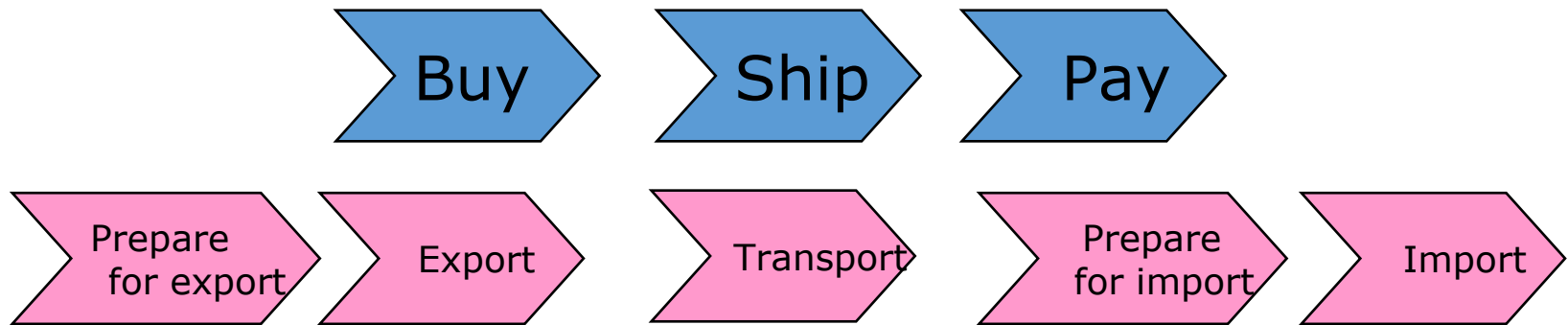
SCRDM Project Leadership

- Project Leader Mr Rolf Wessel
- Lead Editor Mr Gerhard Heemskerk

Proposed Editing Team:

- Mary Kay Blantz,
- Karina Duvinger,
- Michel Entat,
- Andreas Pelekies,
- Fabio Sorrentino,
- Hisanao Sugamata
- Zhang Yinfen
- Liu Ying
- Samy Scemama

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.

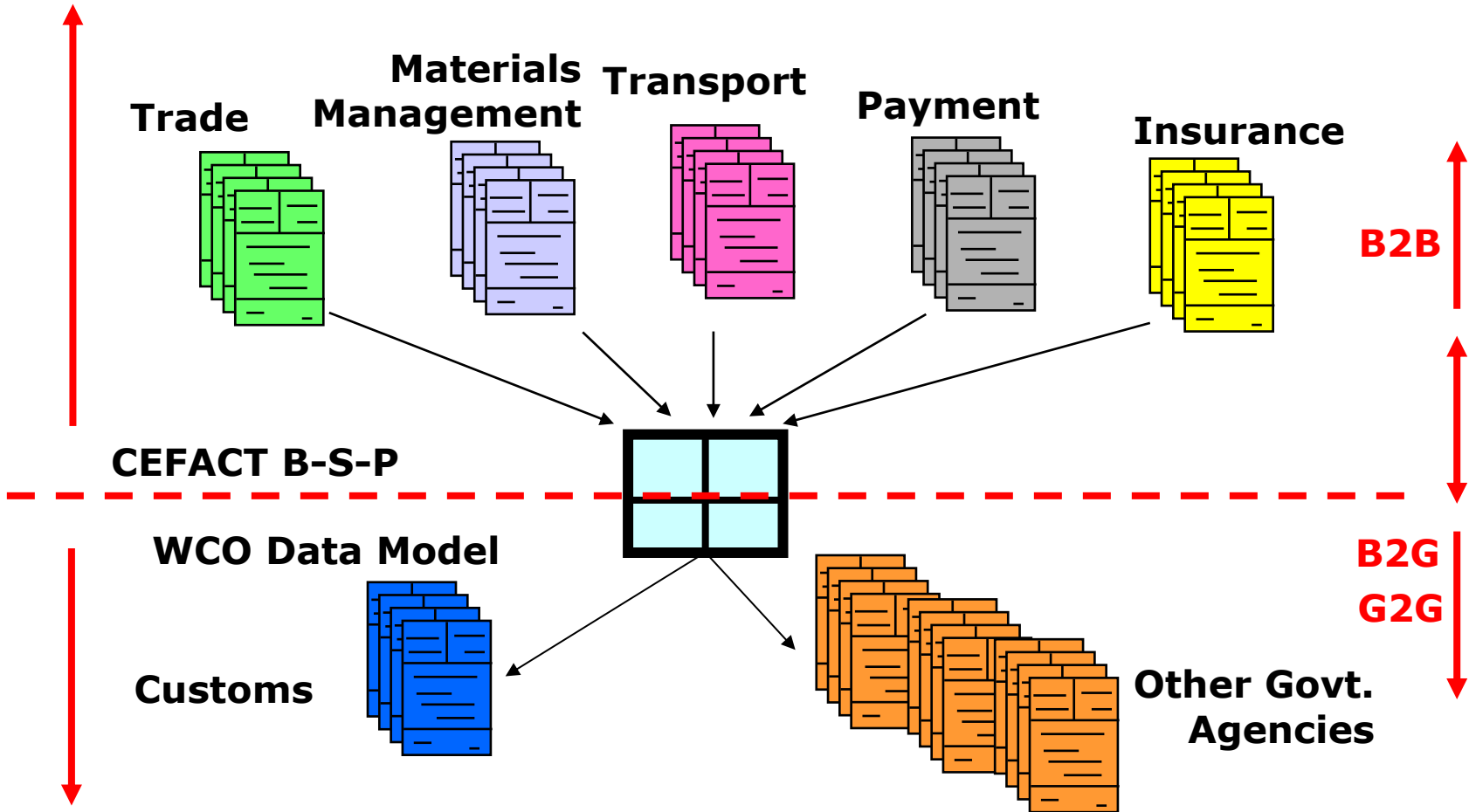
Regulatory Procedures

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

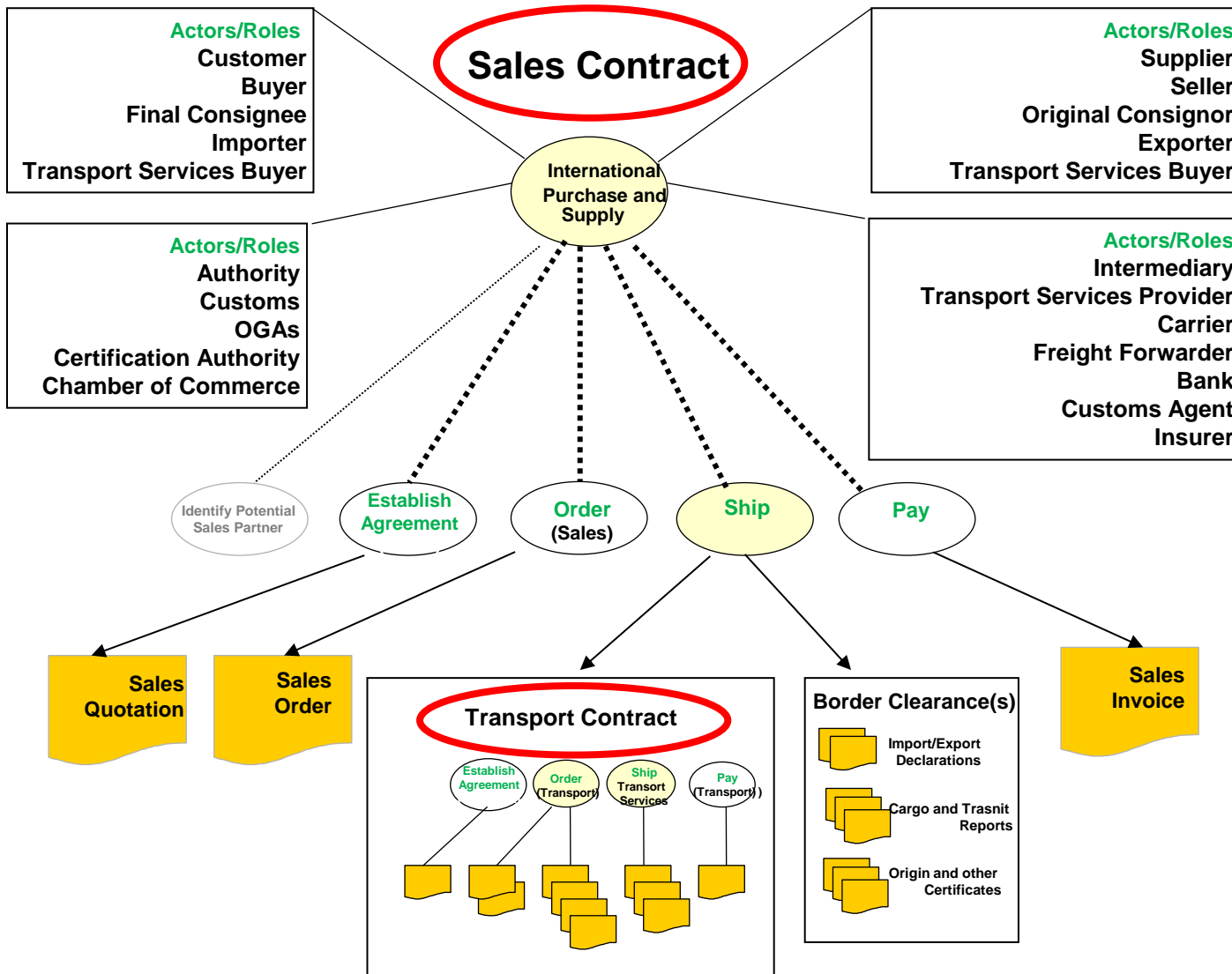
Financial Procedures

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

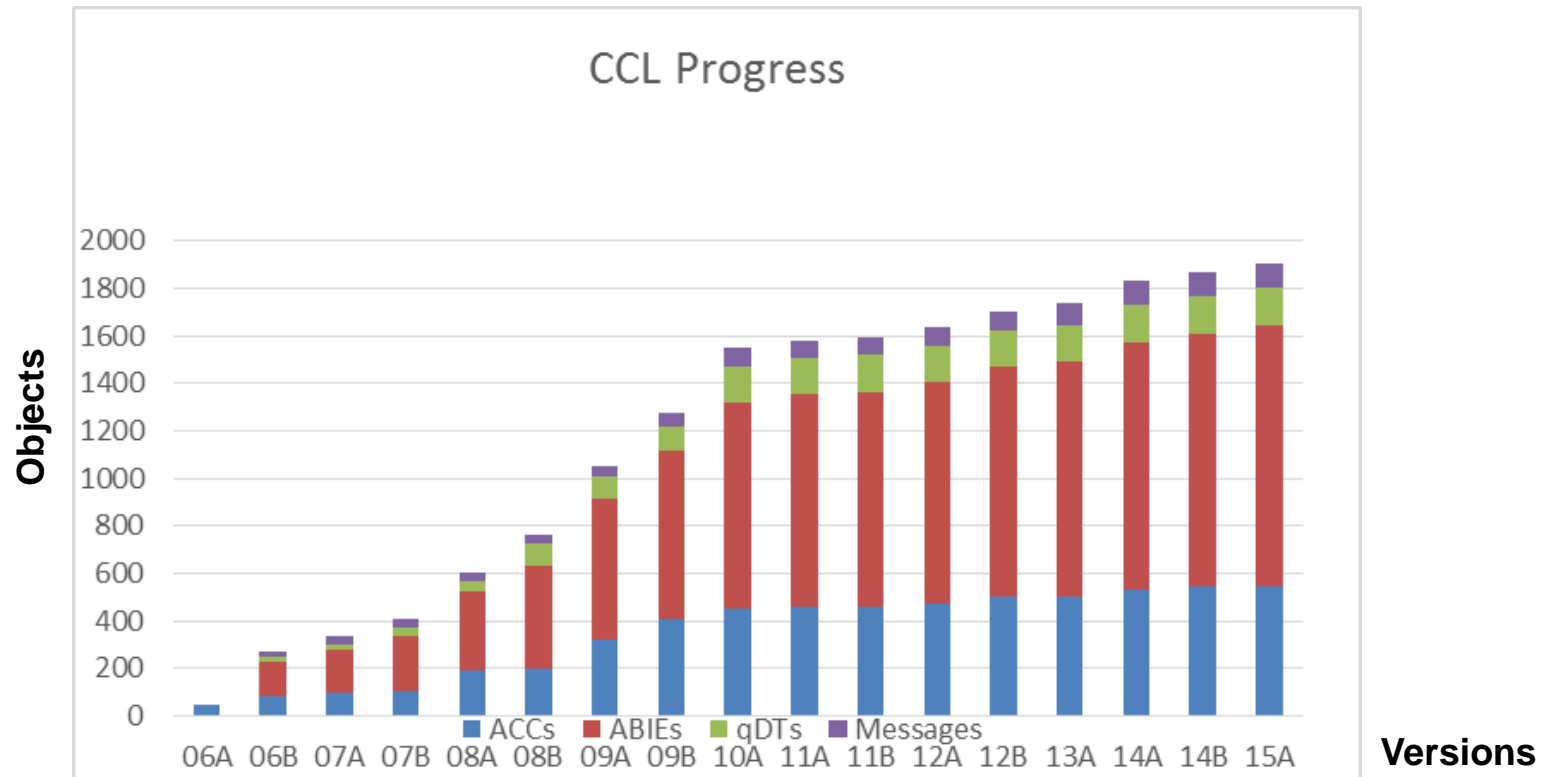
Single Windows Document Families



The Relationship between the Sales and Transport Service Contracts

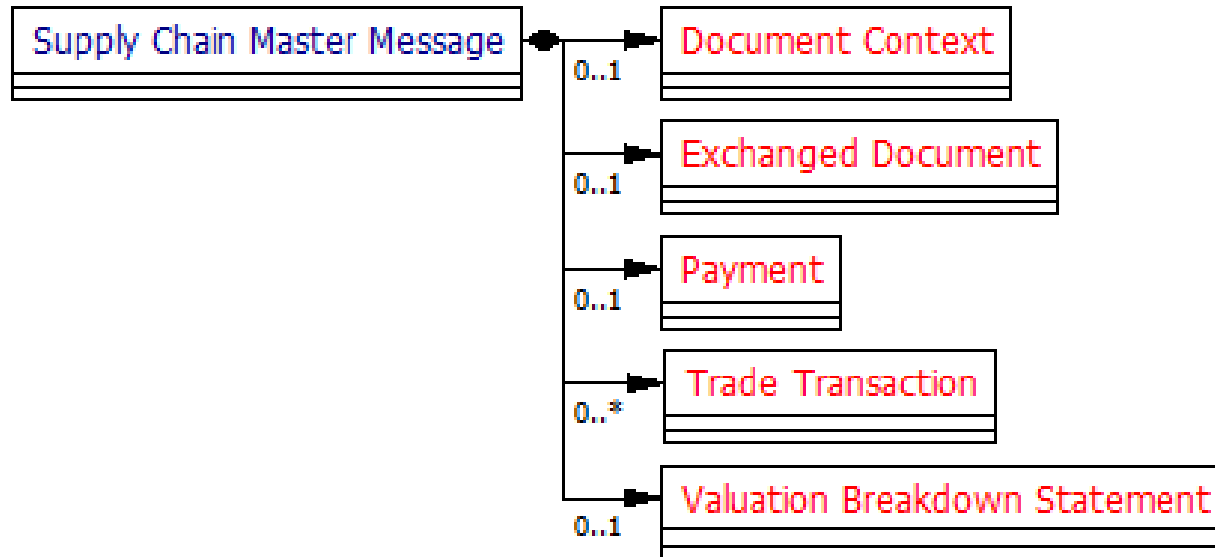


UN/CEFACT Core Component Library



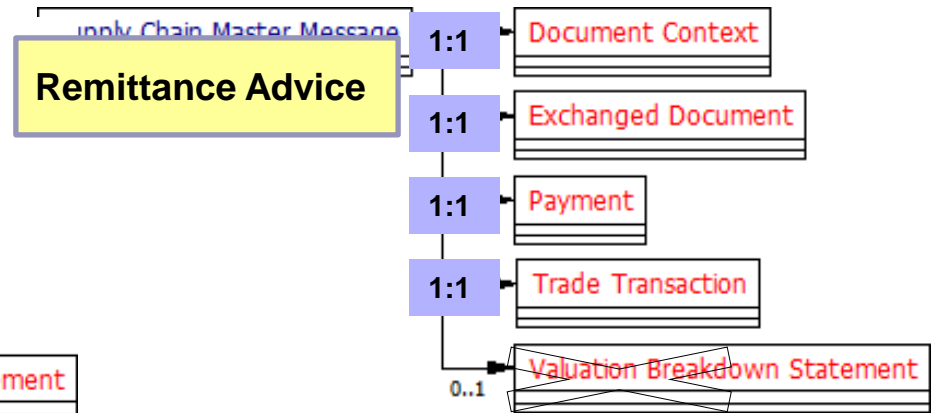
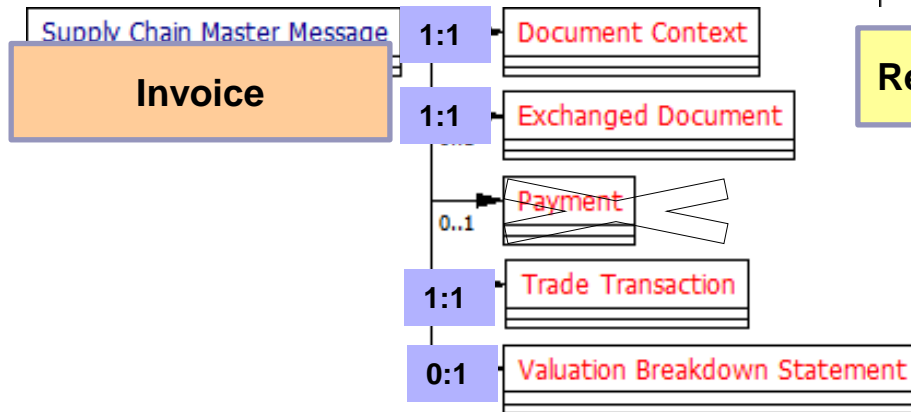
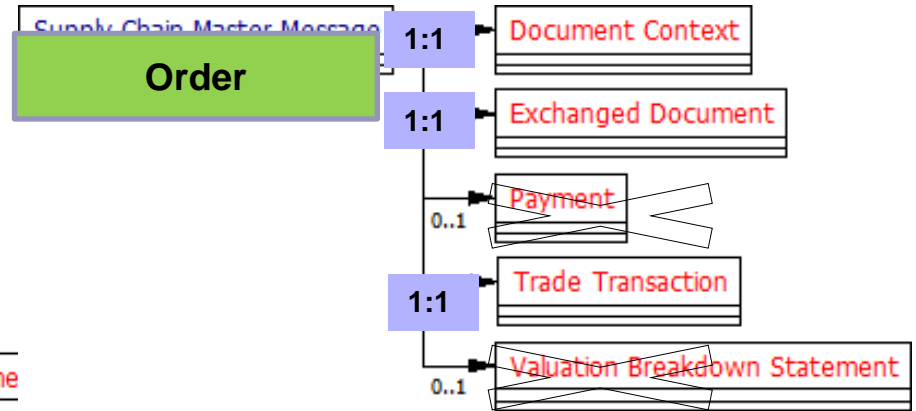
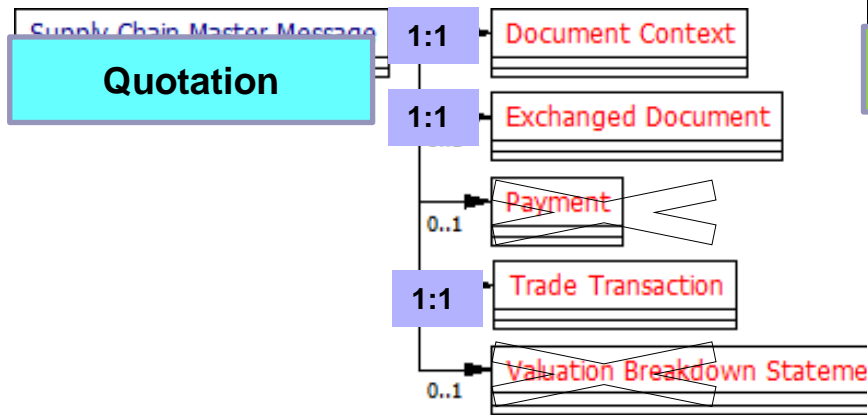
Key:
 ABIE - Aggregate Business Information Entities
 ACC - Aggregate Core Component
 qDT - Qualified DataType

Master Message Structure



- **Buy-Ship Pay Context**
- **Reuses just 170 (just over 10%) Reference ABIEs from Core Component Library**
- **Same set of ABIEs as MMT reuses!**

Sample SCRDM CCBDA Subset Message Structures



Relationship Between SCRDM and MMT projects

