UNeDocs
Implementation User Guide

Part 1   Introduction to the UNeDocs Data Model

Part 2   Introduction to important UNeDocs Business
Information Entities

Part 3   Mapping the UNeDocs Data Model to a Trade
Document

Part 4   Using an Electronic Tool to Map a Form to
the UNeDocs Data Model

Introduction

The UNeDocs User Guide is a component in a set of tools developed by UNECE and UNESCAP to support the implementation of paperless trade.

- It guides users through the process of contextualising the UNeDocs global standard to fit their specific requirements.
- It thereby assists national experts to develop electronic trade trade documents
- It provides step by step guidance through the complete process.
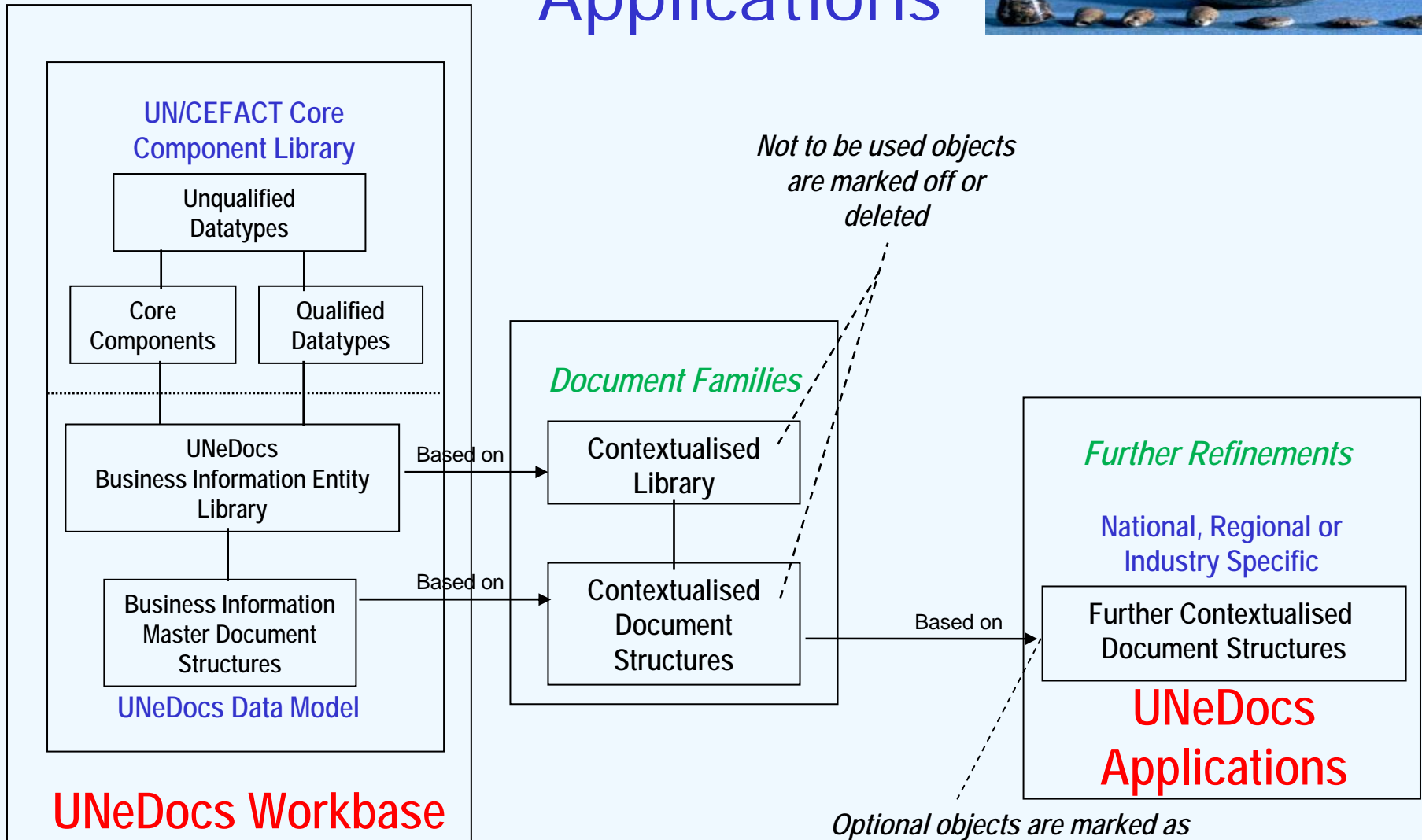- It will be presented to the experts in the follow-up technical workshop

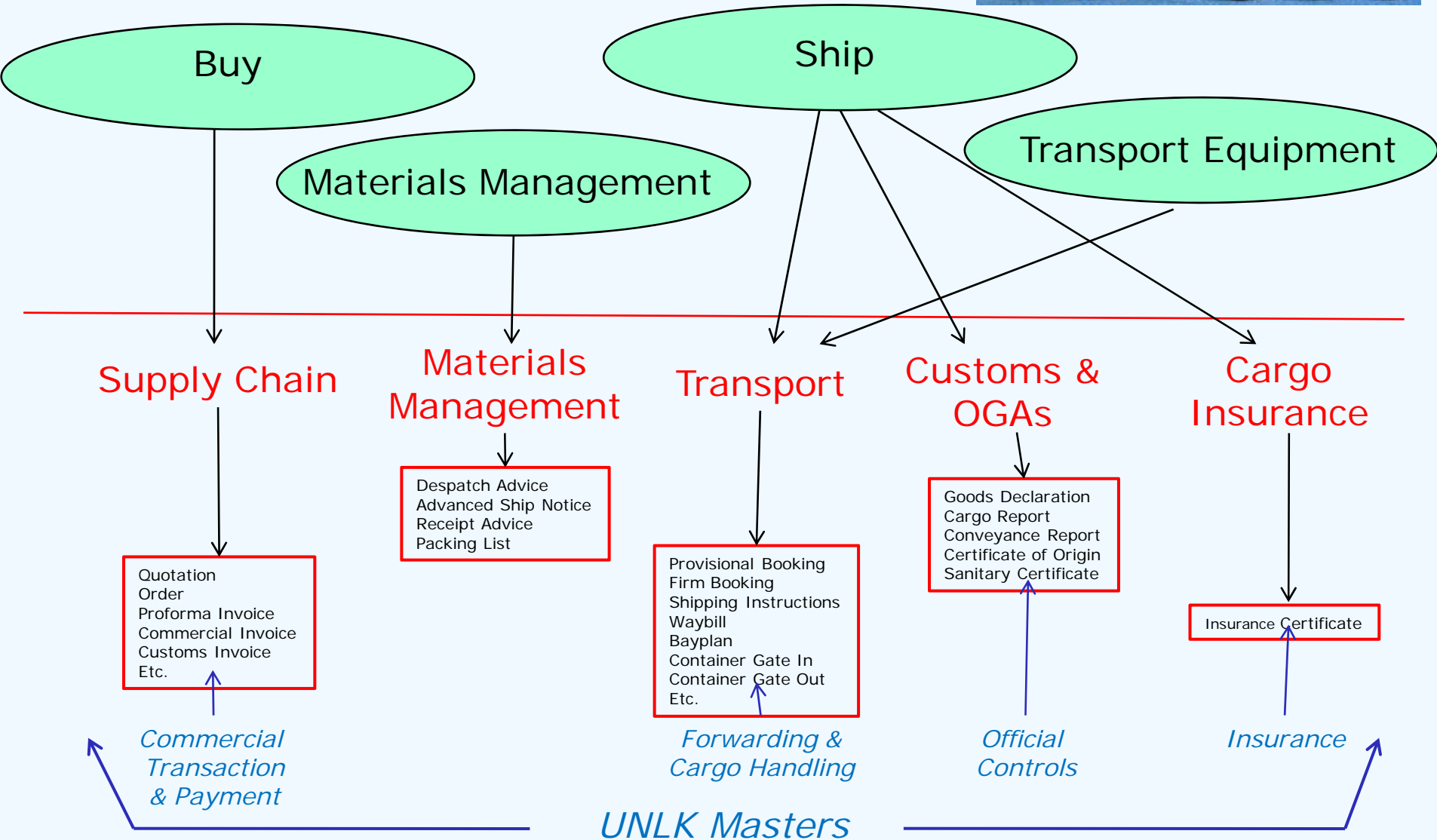# Part 1 – Introduction to UNeDocs Document Data Modelling

Introduces key concepts and relationships between them:

- UN Layout Key
- Document Data Models
- UNeDocs Workbase
- UNCEFACT Core Component Library (CCL)
- Document Families
- Business Information Masters
- Application Layers

UNeDocs Workbase & Applications

UN/CEFACT Core Component Library

Unqualified Datatypes

Core Components

Qualified Datatypes

UNeDocs Business Information Entity Library

Business Information Master Document Structures

UNeDocs Data Model

UNeDocs Workbase

Based on →

Based on →

Document Families

Contextualised Library

Contextualised Document Structures

Not to be used objects are marked off or deleted

Based on →

Further Refinements

National, Regional or Industry Specific

Further Contextualised Document Structures

UNeDocs Applications

Optional objects are marked as „not used" by default. Can be reinstated if needed.

UNeDocs BIM Document Families & Relationships to the UNLK Masters

Buy

Materials Management

Ship

Transport Equipment

Supply Chain

Materials Management

Transport

Customs & OGAs

Cargo Insurance

Despatch Advice
Advanced Ship Notice
Receipt Advice
Packing List

Quotation
Order
Proforma Invoice
Commercial Invoice
Customs Invoice
Etc.

Provisional Booking
Firm Booking
Shipping Instructions
Waybill
Bayplan
Container Gate In
Container Gate Out
Etc.

Goods Declaration
Cargo Report
Conveyance Report
Certificate of Origin
Sanitary Certificate

Insurance Certificate

Commercial Transaction & Payment

Forwarding & Cargo Handling

Official Controls

Insurance

UNLK Masters

Part 2 – Introduction to UNeDocs ABIEs

Introduces key data structures and relationships between them:

- Document Header
- Document Context
- Consignment
- Shipment
- Order
- Goods Declaration
- Cargo Report

Part 3 – Mapping to a Trade Document

- Numbering the boxes of the Form (if box numbers are not already defined)
- Setting up the Form Data Field Table
- Identifying the corresponding business information entities (BBIEs) in the UNeDocs Data Model
- Example: Thailand Phytosanitary Certificate

Key Business Entities

Trade. Details
Order. Identification. Identifier

Trade item. Details
Trade Item. Identification. Identifier

Trade_ Packaging. Details
Trade_ Packaging. Identification. Identifier

Customs Item. Details (Trade)
Customs Item. Identification Identifier

Shipment. Details
Shipment. Identification. Identifier

Customs Item. Details (Transport)
Customs Item. Identification. Identifier

Consignment Item. Details
Consignment Item. Identification. Identifier

Transport_ Packaging. Details
Transport_ Packaging Identification. Identifier

Cargo Report. Details
Cargo Report Identification. Identifier

Consignment. Details
Consignment. Identification. Identifier

Import/Export Declaration. Details
Declaration Identification. Identifier

Transport Equipment. Details
Transport Equipment. Identification. Identifier

Transport Movement. Details
Transport Movement. Stage. Identifier

Transport Means. Details
Transport Means. Identification. Identifier

Relationships (cardinalities): 1, 1..*, 0..*, 1..3

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Part 4 – Using an Electronic Tool

- Setting up a Guide for the document in GEFEG. FX
- Creating an electronic Document Data Model
- Annex: Example Thailand Phytosanitary Certificate
- Annex: CCTS Modelling Integrity Checks

Using a mapping tool – GEFEG.FX

☐ ☑ **C** Cross-Border_ Consignment. Exporter. Referenced_ Party
  ☐ ☑ **A** Referenced_ Party. Identification. Identifier ←──── Reference number of this exporter party
    ☑ **A** Identifier. Content
    ☐ **X** Identification Scheme. Identifier
    ☐ **X** Identification Scheme. Name. Text
    ☐ **X** Identification Scheme Agency. Identifier
    ☐ **X** Identification Scheme. Agency Name. Text
    ☐ **X** Identification Scheme. Version. Identifier
    ☐ **X** Identification Scheme Data. Uniform Resource. Identifier
    ☐ **X** Identification Scheme. Uniform Resource. Identifier
  ☐ ☑ **A** Referenced_ Party. Name. Text ←──── Exporter Name
    ☑ **A** Text. Content
    ☐ **X** Language. Identifier
    ☐ **X** Language. Locale. Identifier
  ☐ ☐ **X** Referenced_ Party. Role. Code
  ☐ ☐ **C** Referenced_ Party. Defined. Cross-Border_ Contact
  ☐ ☑ **C** Referenced_ Party. Specified. Cross-Border_ Address
    ☐ ☐ **X** Cross-Border_ Address. Postcode. Code
    ☐ ☐ **X** Cross-Border_ Address. Post Office Box. Text
    ☐ ☑ **A** Cross-Border_ Address. Line One. Text
    ☐ ☑ **A** Cross-Border_ Address. Line Two. Text   ←──── Exporter Address up to 5 lines of 35 characters
    ☐ ☑ **A** Cross-Border_ Address. Line Three. Text
    ☐ ☑ **A** Cross-Border_ Address. Line Four. Text
    ☐ ☑ **A** Cross-Border_ Address. Line Five. Text
    ☐ ☐ **X** Cross-Border_ Address. Street Name. Text
    ☐ ☐ **X** Cross-Border_ Address. City Name. Text
    ☐ ☐ **X** Cross-Border_ Address. Country. Identifier
    ☐ ☑ **C** Cross-Border_ Address. Country Identification. Cross-Border_ Country
  ☐ ☐ **C** Referenced_ Party. Specified. Cross-Border_ Organization

How to Work

Even though the application of UNeDocs to national, regional or industry specific contexts is outside of the project scope itself, it is nevertheless highly recommended to register application projects with the UNeDocs project team in order to:

- Avoid duplication of efforts
- Always use the latest available version of the Workbase
- Enable reuse of work by others
- Ensure ongoing maintenance

Shared Development Environment

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