



CEFACT/TBG18/eDAPLOS RSM

UN/CEFACT

SIMPLE, TRANSPARENT AND EFFECTIVE PROCESSES
FOR GLOBAL BUSINESS

REQUIREMENTS SPECIFICATION MAPPING (RSM)

Business domain: Agriculture

Business process: Crop Data Sheet process

Document identification: CEFACT/Forum/2006

Title : Crop Data Sheet process

UN/CEFACT International Trade and Business Processes Group: TBG 18

Version draft: 0.4

Date:2008/ 06/02

Document Change history log

Date of change	Version	Summary of changes	Authors
2008/02/19	0.1	Release with TBG 17 Harmonization comments and CCL0A	G CHERUY POTTIAU
2008/05/19	0.2	Release with ICG audit : Data type information should be provided for all BBIEs Change all associations in compositions Root Message Assembly is added	G CHERUY POTTIAU
2008/06/02	0.3	Release with ICG audit: Root Level Message assembly : Business Message spreadsheet added	G CHERUY POTTIAU

Requirements Specification Mapping

Table of contents

1	PREAMBLE	4
2	REFERENCES	4
3	OBJECTIVE	5
4	DEFINITION OF TERMS	6
4.1	PARTIES AND PARTY ROLES	6
5	TARGET TECHNOLOGY SOLUTIONS	7
6	INFORMATION PAYLOAD TO BE IMPLEMENTED	8
6.1	CONCEPTUAL DATA MODEL	8
6.2	CANONICAL DATA MODEL	12
7	BUSINESS INFORMATION ENTITY REFERENCE	12
7.1	BASIC BUSINESS INFORMATION ENTITIES SECTION	12
7.2	AGGREGATE BUSINESS INFORMATION ENTITIES SECTION	12
7.3	ASSOCIATION BUSINESS INFORMATION ENTITIES SECTION	12
7.4	ASSOCIATION BUSINESS INFORMATION ENTITIES SECTION	ERREUR ! SIGNET NON DEFINI.
8	CORE COMPONENTS UN/CEFACT REGISTRY VERSION USED	12
9	DRAFT CORE COMPONENT REFERENCE	12
10	ADDITIONAL DOCUMENTATION	14

1 Preamble

Farmers must be able to produce reliable records about input and techniques used on crops (type of input, rate and date of application), and on livestock conditions (like the nature of feed, the quantity of feed and the use of drugs).

Demand for traceability implies that farmers are able to register data in the same manner despite the variety of software used for management purposes or the way in which products are sold.

The objectives of this document

- Harmonization of the definitions of the technical data in order:
 - to speak the same language
 - to be able to exchange information between heterogeneous Information Systems
- Development of consensual data dictionaries which could be used as a basis for all the steps of traceability
- Installation of a standardized Crop Data Sheet message to facilitate the transmission of information since the field for all the vegetables cultures

DAPLOS is an EDIFACT message present in the UN/CEFACT Directory D.05B.

DAPLOS message describes the data crop sheet exchanged between farmers and their partners.

Majority of the farms are Small and Medium Enterprise (SME) and then, the use of ebXML format should be the best way to increase the electronic data interchange.

The purpose of this document is to define the crop data sheet processes for all vegetables dies, using the UN/CEFACT Modeling Methodology (UMM) approach and Unified Modeling Language to describe and detail the business processes and transactions involved.

The structure of this document is based on the structure of the UN/CEFACT Requirements Specification Mapping (RSM) document reference CEFACT/ICG/006.

2 References

UN/CEFACT Modeling Methodology User Guide (CEFACT/TMG/N093)

UN/CEFACT Requirement Specification Mapping Document Template (CEFACT/ICG/006)

UN/EDIFACT DAPLOS message (Standard Directories D 05B)

UN/CEFACT/Forum/2006/TBG –BRS eDAPLOS draft v0.7

Unified Modelling Language (UML)

Document : RSM_eDAPLOS.doc

Status : Submitted

4

Author : eDAPLOS Project TeamHORVAISHORVAIS

Version

Editor :

URL:

Page : 4 of 14 Date : 9-Mar-09

3 Objective

The objective of this document is to identify the complete set of class diagrams of the eDAPLOS exchange and the Business Information Entities of the technical description and information of the crop production used by the farm and its administrative/economic partners.

The business documents are composed of Business Information Entities (BIE), which when available, are taken from the library of reusable business information entities and when not found, are proposed as new Business Information Entities. The contents of the business documents and the Business Information Entities are presented using class diagrams.

4 Definition of terms

4.1 Parties and party roles

Terms	Definitions
Farmer	Person engaged in agriculture business, field crop growing, cattle rearing for the meat or others productions (milk, egg, wool, etc). In this Business Process, only the crop production is required.
Cooperative / stock makers	Farmer's partner which stocks and sells farmer's crop productions. Most of time, farmer has signed a quality contract with the cooperative.
Food industry	Customer of farmer or cooperative. Food industry which imposes strict contracts of production as regards chemical inputs, environmental good practices, etc.
Ministry of agriculture	Control the European CAP regulation and pay the "primes"
Agronomic institute	Farmer's partner who study all the parameter of production to finally insure a better crop production in quality and/or quantity and less bad environment issues.

5 Target technology solutions

The canonical class diagram of the Crop Data Sheet process (eDAPLOS) presented in this document should be used to generate the UN/CEFACT ebXML standard schema of the eDAPLOS.

This RSM document together with the corresponding BRS document and the ebXML schema are intended to be the basis for the agricultural crop data sheet electronic exchange.

6 Information payload to be implemented

6.1 *Conceptual Data Model*

Document : RSM_eDAPLOS.doc

Author : eDAPLOS Project TeamHORVAISHORVAIS

Editor :

URL:

Status : Submitted

Version

Page : 8 of 14 Date : 9-Mar-09

Figure 6.1.1 : eDAPLOS Header

Document : RSM_eDAPLOS.doc

Author : eDAPLOS Project TeamHORVAISHORVAIS

Editor :

URL:

Status : Submitted

Version

Page : 10 of 14 **Date :** 9-Mar-09

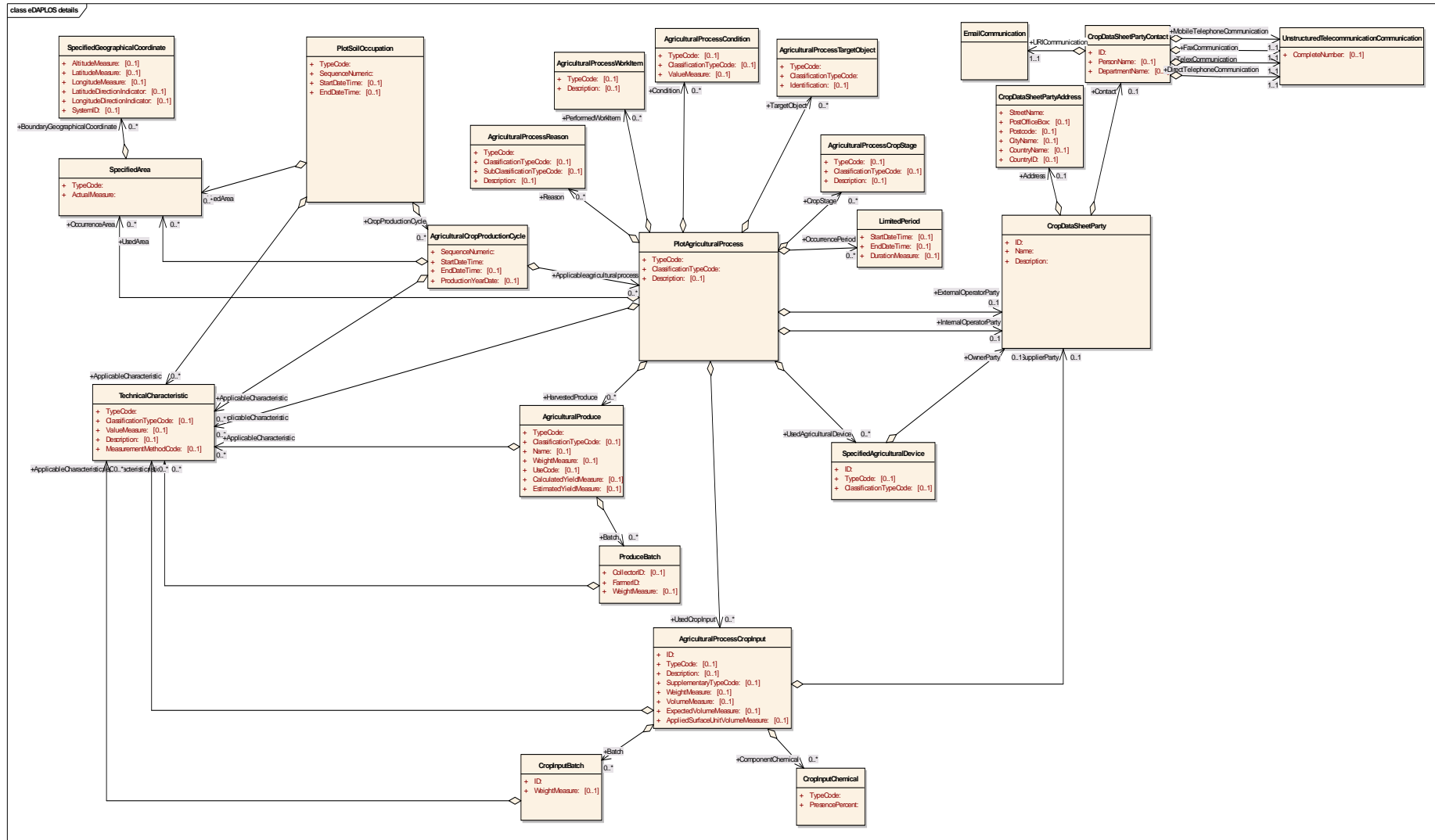


Figure 6.1.2 : eDAPLOS Line

Document : RSM_eDAPLOS.doc

Author : eDAPLOS Project TeamHORVAISHORVAIS

Editor :

URL:

Status : Submitted

Version

Page : 11 of 14 Date : 9-Mar-09

6.2 Canonical Data Model

See attached XMI files in the electronic version

7 Business Information Entity Reference

7.1 Basic Business Information Entities section

See BBIEs in CCL08A

7.2 Aggregate Business Information Entities section

See ABIEs in CCL08A

7.3 Association Business Information Entities section

See ASBIEs in CCL08A

8 Core Components UN/CEFACT Registry version used

Bases on TBG Core Component CCL08A.

9 Draft Core Component reference

This section provides the message assembly ABIE of the Crop Data Sheet eDAPLOS together with all the draft Core components that are proposed for registration in the UN/CEFACT Registry.

The TBG 17 submission template is used for this purpose and is included in the document.

See the excel file in the electronic form (eDAPLOS_TBG17.xls)

Message Assembly

Document : RSM_eDAPLOS.doc

Author : eDAPLOS Project TeamHORVAISHORVAIS

Editor :

URL:

Status : Submitted

Version

Page : 12 of 14 **Date :** 9-Mar-09

In addition to the canonical model, the business message template has been completed in order to clarify in a documented form of the requested message assembly.

See the excel file in the electronic form : [business_message_assembly_eDAPLOS.xls](#)

10 Additional documentation

This section identifies any additional documentation that will be registered with the canonical model in respect to the BCCs or ACCs that have been for registration in the UN/CEFACT Registry.

Document name	File name	Description	File Type
EDAPLOS canonical Data Model	EDAPLOS-XMI.xml	Canonical Data Model Class Diagrams of eDAPLOS	XMI

11 Additional Information

None

Document : RSM_eDAPLOS.doc

Author : eDAPLOS Project TeamHORVAISHORVAIS

Editor :

URL:

Status : **Submitted**

Version

Page : 14 of 14 Date : 9-Mar-09