



UN/CEFACT

SIMPLE, TRANSPARENT AND EFFECTIVE PROCESSES
FOR GLOBAL BUSINESS

BUSINESS REQUIREMENTS SPECIFICATION (BRS)

Business domain: Agriculture

Business process: Electronic Data Exchange Proxy

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Business Requirements Specification

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1 Preamble

The purpose of the project is to create Business Process Models and Business Class Diagrams for documenting the business scenarios and business transactions involved in the authorization given by an agricultural party to one or more parties to allow for the exchange of data on their behalf.

The process is described by two uses cases :

- To send the proxy message to one or more parties
- Acknowledge receipt message

The output will be used to obtain and validate the XML messages to support the business process.

Note : Proxy in this document gives only permission for data exchange and not for decision making

The structure of this document is based on the structure of the UN/CEFACT Business Requirements Specification (BRS) document reference CEFACT/ICG/005.

2 References

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

UN/CEFACT Business Requirement Specification Document Template (CEFACT/ICG/005)

ICG business requirements specification V1R5 20040309 approved.doc

3 Objective

The objective of this project is to standardize the Business Processes, the Business Transactions and the Information Entities involved in the authorization given by an agricultural party to one or more parties to allow for the exchange of data on their behalf.

A data exchange proxy describes the commitment (agreement) between an agricultural party and two or more of his partners who manage on his behalf its own informations.

Data exchange proxy aims to:

- Specify the terms of the proxy (data, partners, implementation period, etc.)
- Register the agricultural party's agreement for the specified exchange of information
- Notify of this agreement to the partners involved in the exchange
- Electronic receipt of notification
- Updating or cancelling the proxy message

The information exchanged between the two partners are of all kinds: accounting, financial, banking, product traceability

4 Scope

This section describes the extent and limits of the business process within the information chain being described in this document.

The class diagram of the data exchange proxy is developed such as way that it specifies all information of data exchange proxy given by the agricultural party, reusable business information entities.

This process describes an French use case but it could be extent to others needs

Categories	Description and Values
Business Process	Electronic data exchange proxy
Product Classification	All types of data exchange authorization.
Industry Classification	Agricultural sector
Geopolitical	Global
Official Constraint	European Regulations National regulation Local applicable regulation
Business Process Role	
Supporting Role	None
System Capabilities	No limitations

5 Business requirements

5.1 Business requirements view

The Business Process is the detailed description of the way trading partners intend to play their respective role, establish business relationship and share responsibilities to interact efficiently with the support of their respective information system.

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.

This paper aims to describe the business processes for the data exchange proxy management between an agricultural party and its economic/administrative partners.

A data exchange PROXY describes the tripartite commitment between an agricultural party and two or more of his partners who manage on his behalf its own informations.

5.2 Business process elaboration

1.1.1 Use case: Electronic Data exchange proxy transmission

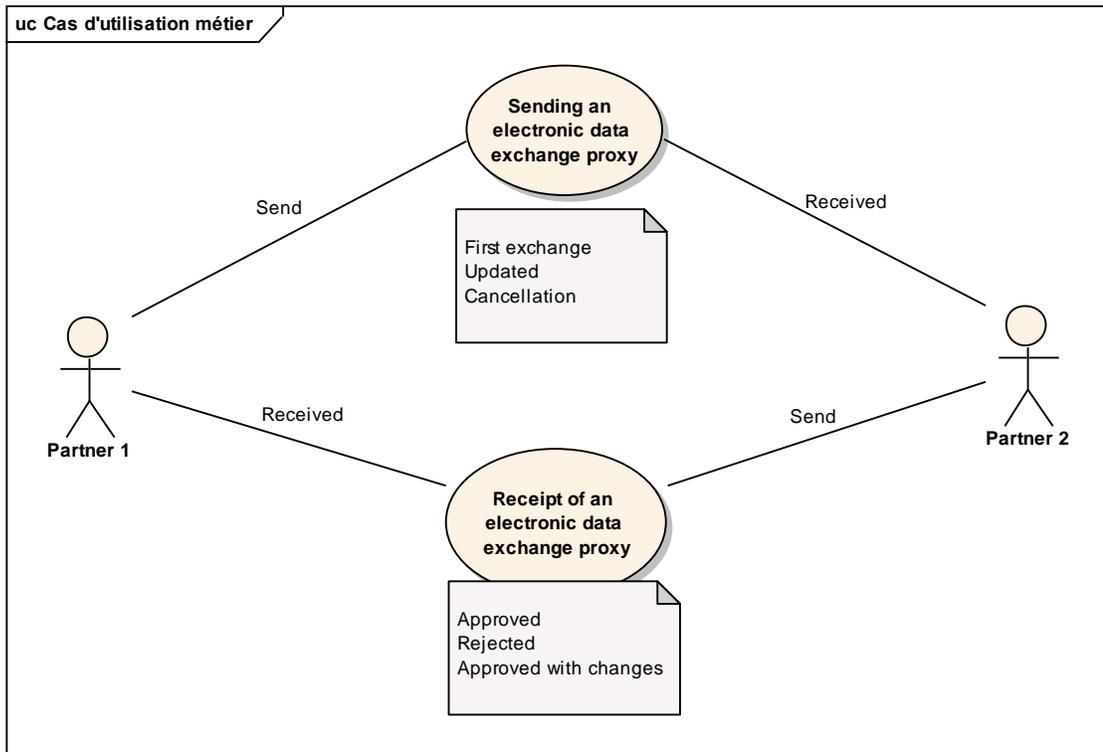


Figure 1: Use case diagram –

1.1.1 Use case description

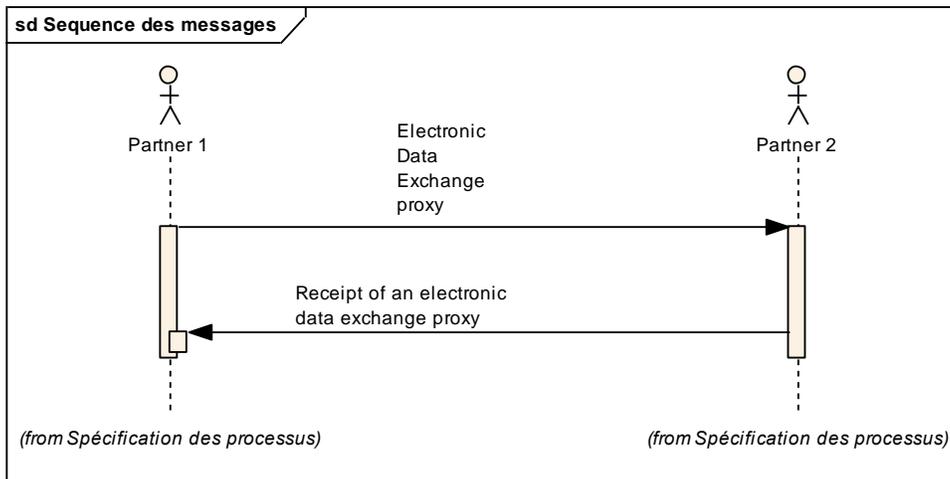
Business process : Sending an electronic data exchange proxy	
Business process name	Sending an electronic data exchange proxy
Identifier	Send Exchange proxy message
Description	<p>The agricultural party authorized its partner to exchange its own data –()</p> <p>This first partner send this data exchange proxy message in electronic form to a second partner in order to confirm the agricultural party 's authorization..</p>
Actors	<p>Issuer : partner 1 (accounting center, cooperatives etc)</p> <p>Receiver : partner 2 (bank, insurance...)</p>
Pre-condition	<p>Interchange agreement between the 2 partners</p> <p>In some case, Agreement and signature of the agricultural party concerning its electronic data exchange</p>
Post-conditions	none
Scenarios	<p>Both of partners set up an electronic data exchange concerning agricultural party's informations (accounting data, bank etc.).</p> <p>There is an interchange agreement between the 2 partners.</p> <p>The agricultural party signed an electronic data interchange proxy with one of these partners.</p> <p>This partner (partner 1) sent this proxy in electronic form to partner 2.</p>
Remarks	None

Business Process : Electronic data exchange proxy Receipt	
Business process name	Electronic data exchange proxy Receipt
Identifier	Exchange authorization receipt
Description	This process concerns the receipt message of the electronic data exchange proxy on behalf of an agricultural party.
Actors	Both of agricultural party's partners
Pre-condition	Reception of an electronic data exchange proxy message
Post-conditions	<p>Partner 2 received an electronic data exchange proxy message from partner 1.</p> <p>This message is checked by the receiver and if it's accepted, the answer is resent to the issuer (partner 1)</p>
Scenarios	
Remarks	<p>Message status :</p> <ul style="list-style-type: none"> • <u>Accepted</u> : Partner 2 knows the agricultural party and the data are correct • <u>Rejected</u> : Agricultural party is unknown by partner 2 • <u>Accepted with changes</u> : agricultural party is known by partner 2 but data should be corrected – rejected but the agricultural party is known - acceptable with modification

5.3 Information flow definition (activity diagram, description)

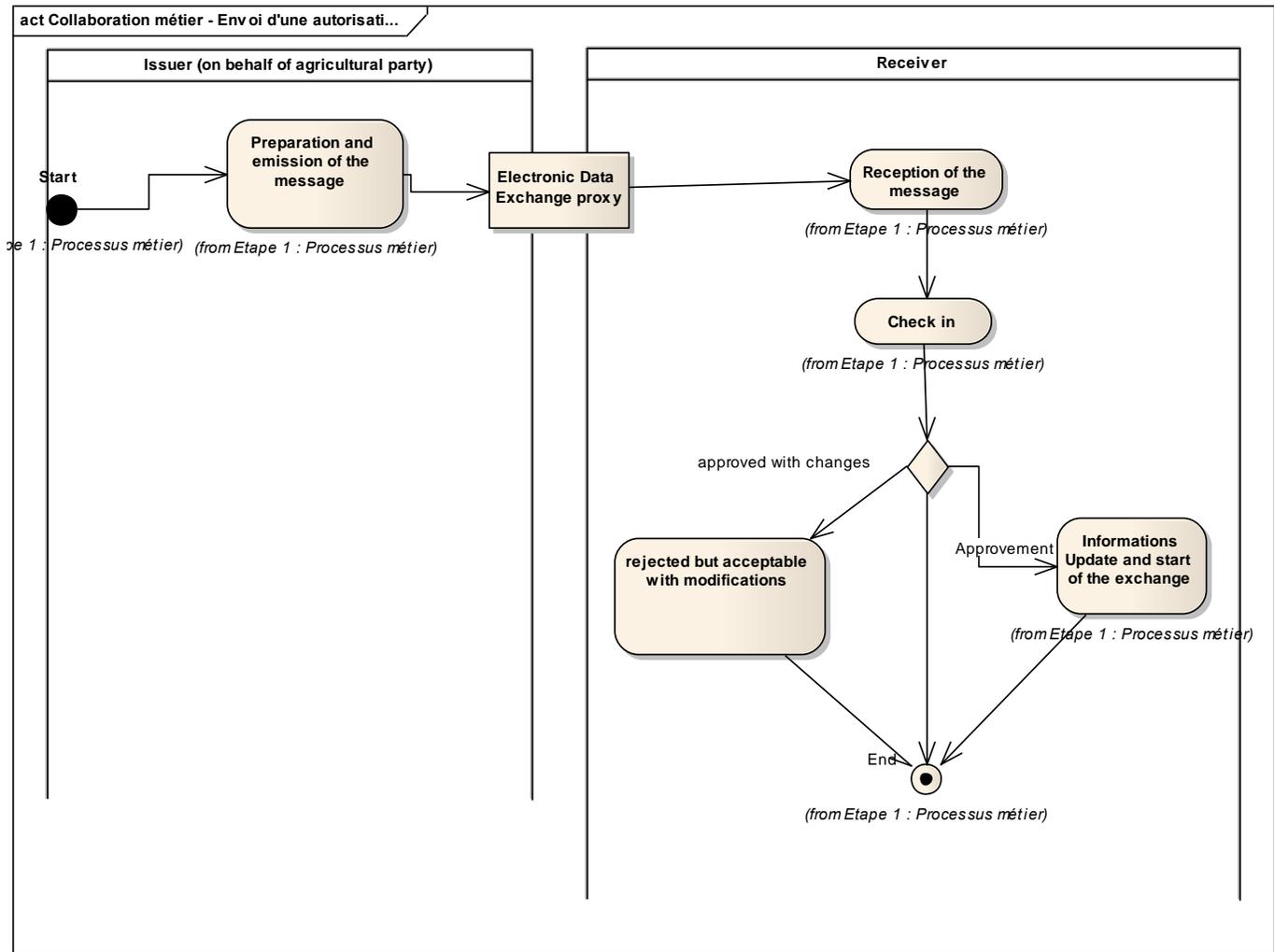
The activity diagram allows identifying all the significant information flows between the farm and its partner.

5.3.1. Sequence diagram



5.3.2. Activity diagrams

5.3.1.1 Activity Diagram : Sending an electronic data exchange authorization

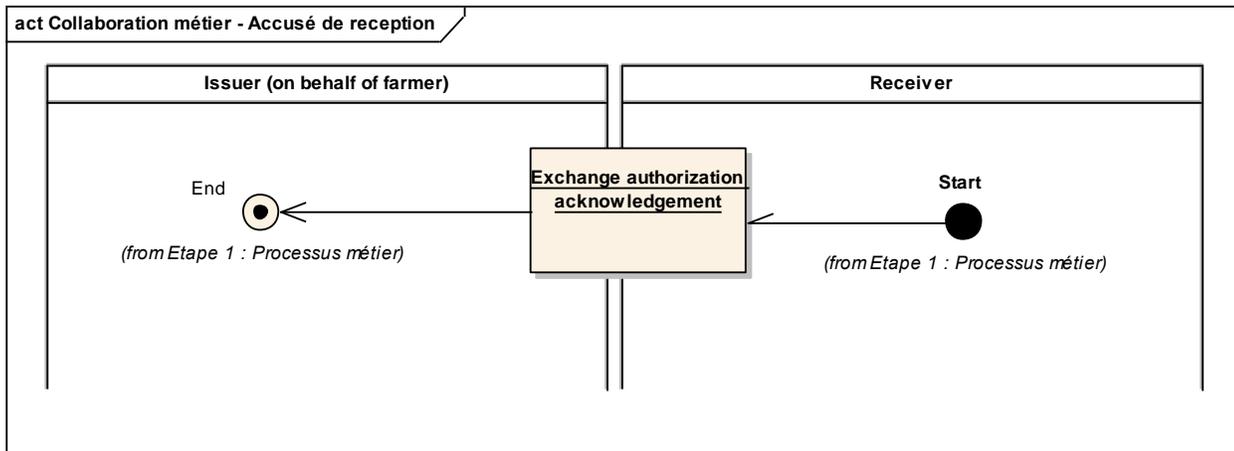


Note : The modifications or changes process is not included in this BRS.

5.3.1.2 Activity diagram description:

Business Collaboration: Sending an electronic data exchange authorization	
Identifier	Sending an electronic data exchange proxy
Description	Partner 1 send to partner 2 the farmer's data exchange proxy message with as objective to set up an electronic data interchange
Partners types	Partner 1 : Issuer Partner 2 : Receiver Both are farm's partner and are working together on behalf of the farmer (accounting center, bank, insurance, authorities etc.)
Authorized Roles	Issuer Receiver
Legal Steps/Requirement	none
Economic consequences	None
Initial/Terminal Event	Initial : Farmer signed the exchange authorization form (paperor electronic)
Scope	Initial : Partner 1 sends the document Terminal : Partner 2 accepts the document
Boundary	None
Constraints	None

5.3.1.3 Activity diagram : Reception of an electronic data exchange proxy

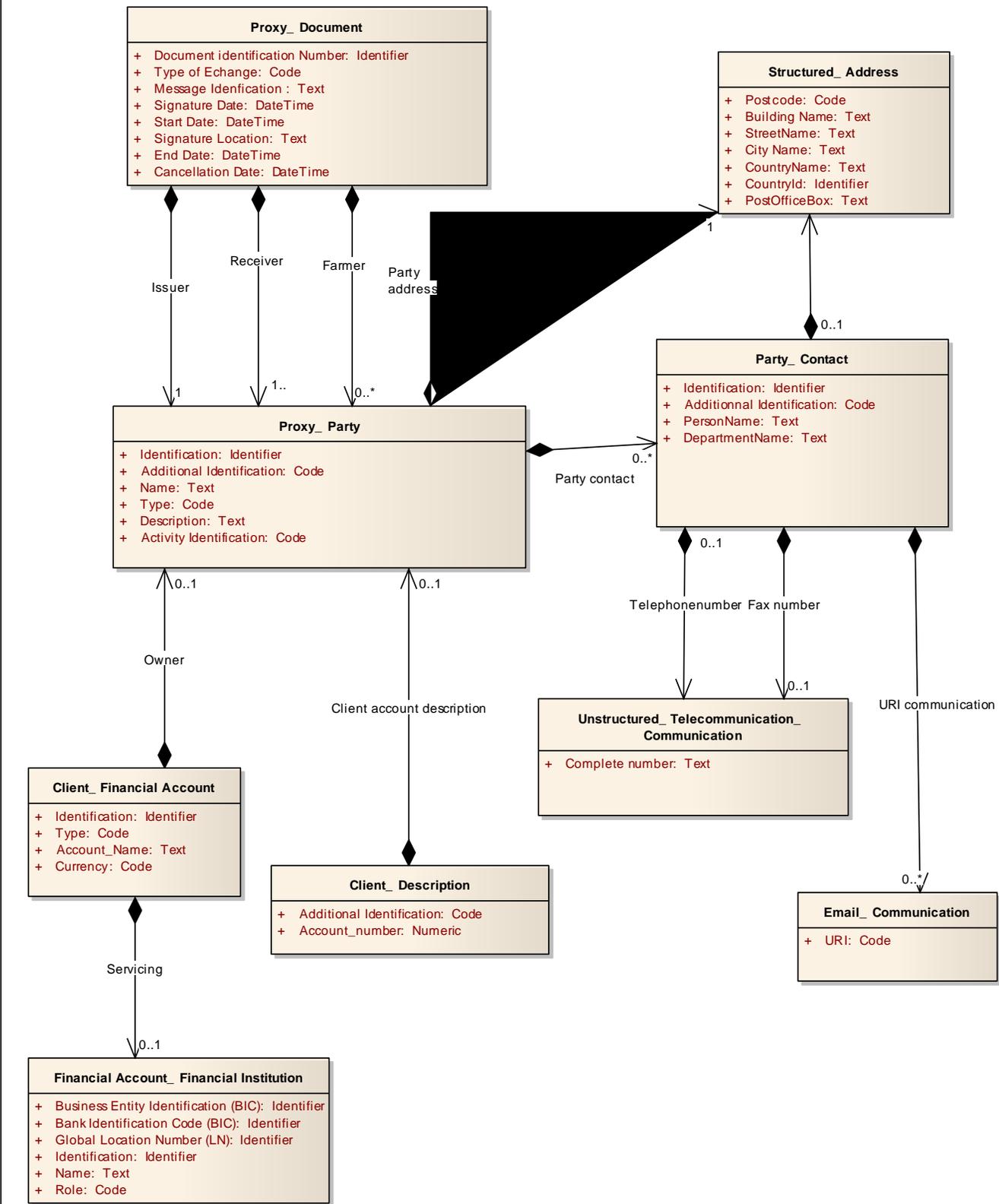


5.3.1.4 Description

Business Collaboration: Electronic data exchange proxy Receipt	
Identifier	Electronic data exchange proxy Receipt
Description	Electronic receipt of notification
Partners types	Partner 2 : Issuer Partner 1 : Receiver Both are agricultural party's partners and are working together on behalf of the agricultural party (accounting center, bank, insurance, authorities etc.)
Authorized Roles	Issuer Receiver
Legal Steps/Requirement	none
Economic consequences	None
Initial/Terminal Events	
Scope	
Boundary	None
Constraints	None

5.4 Information model definition (class diagram)

Class diagram describes all the necessary classes of information for a flow



5.5 Business Information Entities

To be completed