UN/CEFACT
Simple, Transparent and Effective Processes
For Global Commerce

REQUIREMENTS SPECIFICATION MAPPING
(RSM)

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Business process: Electronic Data exchange Proxy

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Log of Changes

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1.0	April 2010	TBG18	Creation
1.1	August2010	TBG18	Update following TBG 17 harmonization
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1.3-1	October 2010	TBG 18	Update following TBG17 Audit

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1 References document

CEFACT/TMWG/N090R10 UN/CEFACTs Modeling methodology, November 2001
http://www.unece.org/cefact/umm/UMM_Revision_10_2001.zip
CEFACT/TMG/N093 UN/CEFACT Modeling Methodology (UMM) User Guide
http://www.unece.org/cefact/umm/UMM_userguide_220606.pdf
CEFACT/ICG/004 UN/CEFACT Forum - Operating Procedures between the TBG, ATG & ICG
http://www.unece.org/cefact/documents/Forum_operating_procedures.pdf
UN/CEFACT ISO/TS 15000-5 ebXML Core Components Technical Specification – Part 8 of the
ebXML Framework, Version 2.01 (TRADE/CEFACT/2004/28)
http://www.unece.org/cefact/ebxml/CCTS_V2-01_Final.pdf
CEFACT/ICG/005 UN/CEFACT Business Requirements Specification template
http://www.uncefactforum.org/ICG/Documents/ICG%20Home/Business%20Requirements%20Specifi
cation%20V1r5%20approved.zip
CEFACT/ICG/006 UN/CEFACT Requirements Specification Mapping template version 1 September
2005
http://www.uncefactforum.org/ICG/Documents/ICG%20Home/ICG%20requirements%20specification
%20mapping%20V1R0%2020050928.zip

2 Introduction

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
authorized party could send specified messages (invoices, financial reporting etc.) on the behalf of
agricultural party.

The process is described by two use 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 as mentioned in this document gives only permission for data exchange and not for
decision making

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 implying that the agricultural party (e.g. a
farmer) authorizes his partner to exchange data on his behalf.

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

Data exchange proxy aims to:
Specify the terms of the proxy (data, partners, implementation period,…)

Register the agricultural party's agreement for the specified exchange of information (e.g. invoices, accounting account, crop data sheet message, milk analysis etc.)
Notify the partners about the agreement involved in the exchange
Receive a notification electronically (Electronic receipt of notification)
Updating or cancelling the proxy message

3.1 Definition of terms

Term	Definition
Proxy Document	A collection of data for a piece of written, printed or electronic matter that provides information or evidence of the authorization given by a party to one or more parties to allow for the exchange of data on their behalf.
Proxy Party	A party appointed or authorized to represent or act for another individual, group or body in a business transaction role.
Business Owner Named Party	The business owner party named in this proxy document.

3.2 Target technology solutions

The canonical class diagram of the Electronic Data Proxy presented in this document should be used to generate the UN/CEFACT ebXML standard schema of the Electronic Data Proxy in all contexts. This RSM document together with the corresponding BRS document and the ebXML schema are intended to be the basis for the standard Electronic Data Proxy.

4 Information payload to be implemented

4.1 Conceptual Data Model for the Electronic Data Proxy Message

Figure 4-1 Conceptual Electronic Data Proxy

4.2   Canonical Data Model for the Electronic Data Proxy Message

class Canonical_Electronic Data Proxy

«ABIE»
Proxy_Document

«BBIE»
+   Identification: Identifier [0..1]
+   Type: Code [0..1]
+   Message_Identification: Identifier [0..1]
+   Signed: DateTime [0..1]
+   Acceptance: DateTime [0..1]
+   Signature Location: Text [0..1]
+   Cancellation: DateTime [0..1]

«ABIE»
Delimited_Period

«BBIE»
+   Start: DateTime [0..1]
+   End: DateTime [0..1]
+   Duration: Measure [0..1]

Effective   0..*

«ABIE»
Unstructured_ Address

«BBIE»
+   Identification: Identifier [0..1]
+   Postcode: Code [0..1]
+   LineOne: Text [0..1]
+   LineTwo: Text [0..1]
+   LineThree: Text [0..1]
+   Line Four: Text [0..1]
+   Line Five: Text [0..1]
+   CityName: Text [0..1]
+   Country: Identifier [0..1]
+   City Sub-DivisionName: Text [0..1]
+   Country Name: Text [0..1]
+   Country Sub-Division Name: Text [0..1]
+   Type: Code [0..1]
+   Country Sub-Division: Identifier [0..1]
+   City: Identifier [0..1]

Postal   0..1

Issuer   Recipient   Business Owner_Named

1   1..   0..*

«ABIE»
Proxy_ Party

«BBIE»
+   Identification: Identifier [0..1]
+   Classification: Code [0..1]
+   Name: Text [0..1]
+   Type: Code [0..1]
+   Description: Text [0..1]
+   Role: Code [0..1]

Defined   0..*

Party_ Contact

«BBIE»
+   Identification: Identifier
+   DepartmentName: Text [0..1]
+   PersonName: Text [0..1]
+   Additionnal Identification: Identifier [0..1]

Direct_Telephone   Mobile_Telephone   Fax   Telex

0..1   0..1   0..1

«ABIE»
Unstructured_ Telecommunication_ Communication

«BBIE»
+   Complete number: Text [0..1]

URI

0..1

Owned   0..*

«ABIE»
Client_ Financial Account

«BBIE»
+   IBAN_Identification: Identifier [0..1]
+   Account_Name: Text [0..1]
+   Currency: Code [0..1]

Specified   0..*

«ABIE»
Client_Business_Account

«BBIE»
+   Identification: Code [0..1]
+   Account_Number_Identification: Identifier [0..1]

«ABIE»
Email_ Communication

«BBIE»
+   URI: Identifier [0..1]

Servicing   0..1

«ABIE»
Payment_Financial Institution

«BBIE»
+   Business Entity Identification (BEI): Identifier [0..1]
+   Bank Identification Code (BIC): Identifier [0..1]
+   Global Location Number (LN): Identifier [0..1]
+   Identification: Identifier [0..1]
+   Name: Text [0..1]
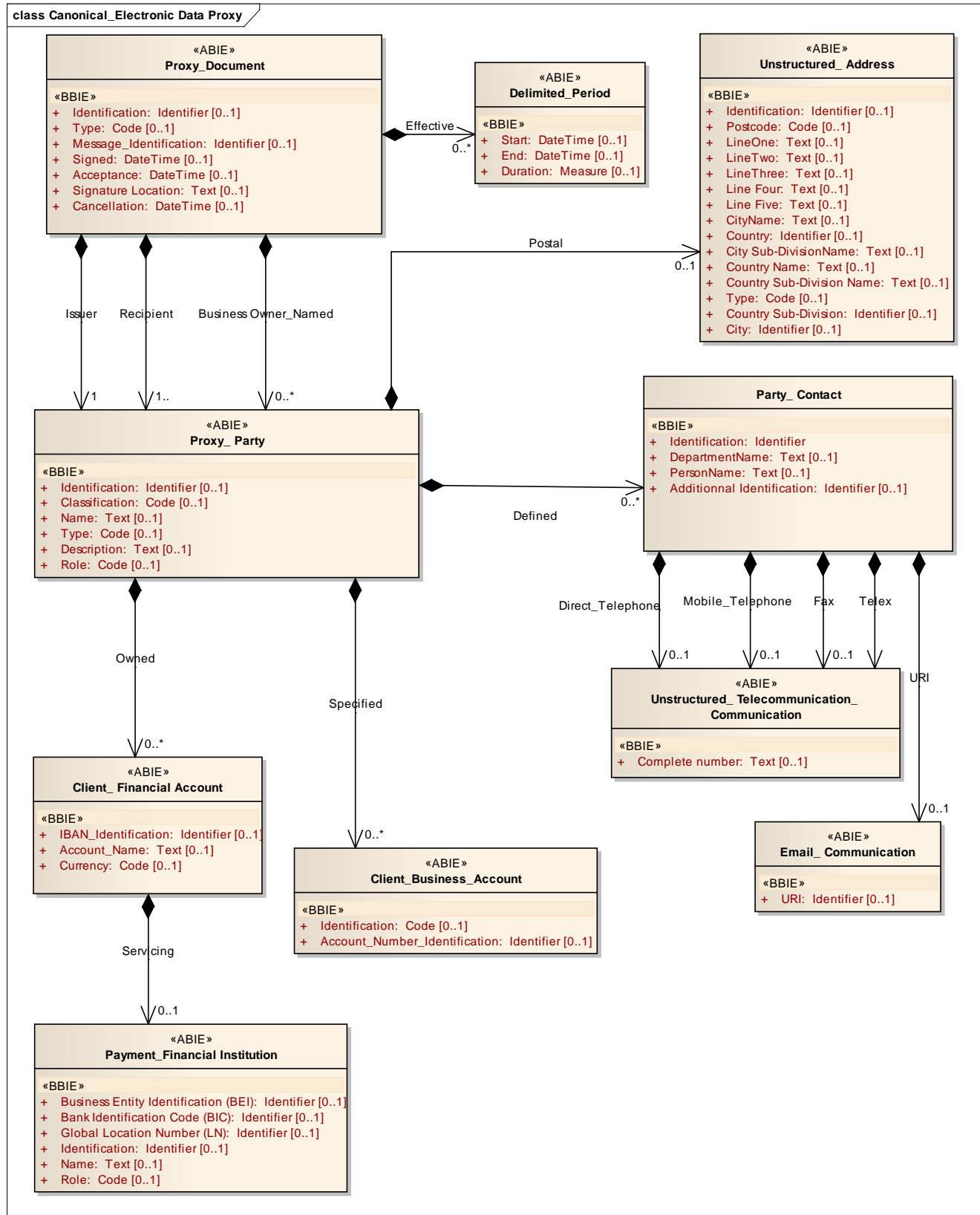+   Role: Code [0..1]

Figure 4-2 Canonical Electronic Data Proxy

5 Business information entity reference

This section contains the list of all the Business Information Entities that are used within the canonical data model and are variations from the standard Core Components, included the UN/CEFACT Registry version **09B** that served as the reference point.

5.1　Basic Business Information Entities section

This section identifies any restrictions that have to be applied to the BBIE in the context in which it is being used.

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Proxy_ Document. Identification. Identifier	Identifier. Type		Document. Identification. Identifier					
Proxy_ Document. Type. Code	Code.Type		Document. Type. Code					
Proxy_ Document. Message_ Identification. Identifier	Identifier. Type		Document. Identification. Identifier					
Proxy_ Document. Signed. Date Time	Date Time. Type		Document. Signed. Date Time					
Proxy_ Document. Acceptance. Date Time	Date Time. Type		Document. Acceptance. Date Time					
Proxy_ Document. Signature Location. Text	Text. Type		Document. Signature Location. Text					
Proxy_ Document. Cancellation. Date Time	Date Time. Type		Document. Cancellation. Date Time					
Delimited_ Period. Start. Date Time	Date Time. Type		Period. Start. Date Time					
Delimited_ Period. End. Date Time	Date Time. Type		Period. End. Date Time					
Delimited_ Period. Duration. Measure	Measure. Type		Period. Duration. Measure					
Proxy_ Party. Identification. Identifier	Identifier. Type		Party. Identification. Identifier					
Proxy_ Party. Classification. Code	Code.Type		Party. Classification. Code					
Proxy_ Party. Name. Text	Text. Type		Party. Name. Text					
Proxy_ Party. Type. Code	Code.Type		Party. Type. Code					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Proxy_ Party. Description. Text	Text.Type		Party. Description. Text					
Proxy_ Party. Role. Code	Code.Type		Party. Role. Code					
Unstructured_ Address. Identification. Identifier	Identifier. Type		Address. Identification. Identifier					
Unstructured_ Address. Postcode. Code	*Code*.Type		Address. Postcode. Code					
Unstructured_ Address. Line One. Text	Text. Type		Address. Line One. Text					
Unstructured_ Address. Line Two. Text	Text. Type		Address. Line Two. Text					
Unstructured_ Address. Line Three. Text	Text. Type		Address. Line Three. Text					
Unstructured_ Address. Line Four. Text	Text. Type		Address. Line Four. Text					
Unstructured_ Address. Line Five. Text	Text. Type		Address. Line Five. Text					
Unstructured_ Address. City Name. Text	Text. Type		Address. City Name. Text					
Unstructured_ Address. Country. Identifier	Identifier. type		Addresse. Country. Identifier					
Unstructured_ Address. City Sub Division Name. Text	Text. Type		Address. City Sub-Division Name. Text					
Unstructured_ Address. Country Name. Text	Text. Type		Address. Country Name. Text					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Unstructured_ Address. Country Sub-Division Name. Text	Text. Type		Address. Country Sub-Division Name. Text					
Unstructured_ Address. Type. Code	Code. Type		Address. Type. Code					
Unstructured_ Address. Country Sub-Division. Identifier	Identifier. type		Addresse. Country Sub-Division. Identifier					
Unstructured_ Address. City. Identifier	Identifier. type		Addresse. City					
Party_ Contact. Identification. Identifier	Identifier. Type		Contact. Identification. Identifier					
Party_ Contact. Additional_ Identification. Identifier	Identifier. Type		Contact. Identification. Identifier					
Party_ Contact. Person Name. Text	Text. Type		Contact. Person Name. Text					
Party_ Contact. Department Name. Text	Text. Type		Contact. Department Name. Text					
Client_ Financial Account. IBAN_ Identification. Identifier	Identifier. Type		Financial Account. Identification. Identifier					
Client_ Financial Account. Account Name. Text	Text. Type		Financial Account. Account Name. Text					
Client_ Financial Account. Currency. Code	Text. Type		Financial Account. Currency. Code					
Payment_ Financial Institution. BEI. Identifier	Identifier. Type		Financial Institution. BEI. Identifier					

BBIE dictionary entry name	Data Type	Usage Rules	Core Component dictionary Entry Name	Content Component Restrictions			Supplementary component Restrictions	
				Restriction Type	Restriction Value	Expression Type	Supplementary Component Name	Supplementary Value
Payment_ Financial Institution. BIC. Identifier	Identifier. Type		Financial Institution. BIC. Identifier					
Payment_ Financial Institution. GLN. Identifier	Identifier. Type		Financial Institution. GLN. Identifier					
Payment_ Financial Institution. Identification. Identifier	Identifier. Type		Financial Institution. Identification. Identifier					
Payment_ Financial Institution. Name. Text	Text. Type		Financial Institution. Name. Text					
Payment_ Financial Institution. Role. Code	Code.Type		Financial Institution. Role. Code					
Client_ Business Account. Identification. Identifier	Identifier. Type		Business Account. Identification. Identifier					
Client_ Business Account. Number_ Identification. Identifier	Identifier. Type		Business Account. Identification. Identifier					
Unstructured_ Telecommunication _ Communication. Complete Number. Text	Text. Type		Communication. Complete Number. Text					
Email_ Communication. URI. Identifier	Identifier. Type		Communication. URI. Identifier					

5.2 Aggregate Business Information Entities section

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)
Proxy_ Document. Details	Document. Details	Identification. Identifier Type. Code Message_Identification. Identifier Signed. Date Time Acceptance. Date Time Signature Location. Text Cancellation. Date Time	Creation. Date Time
Delimited_ Period. Details	Period. Details	Duration: Measure Start : Date Time End : Date Time	
Proxy_ Party. Details	Party. Details	Identification: Identifier Classification. Code Name. Text Type. Code Description. Text Role. Code	
Unstructured_ Address. Details	Address. Details	Identification: Identifier Postcode: Code Line one : Text Line Two: Text Line three: Text City Name: Text Country: Identifier	Line Four. Text Line Five. Text City Sub-Division Name. Text Country Name. Text Country Sub-Division Name .Text Type. Code Country Sub-Division. Identifier City .Identifier
Party_ Contact. Details	Contact. Details	Identification: Identifier Additionnal_Identification: Identifier Person Name. Text Department Name. Text	
Client_ Financial Account. Details	Financial Account. Details	IBAN_Identification : Identifier Account Name: Text Currency: Code	
Payment_ Financial Institution. Details	Financial Institution. Details	BEI: Identifier BIC: Identifier GLN: Identifier Identification: Identifier Name : Text Role : Code	
Client_Business	Business Account. Details	Identification. Identifier	

ABIE Business Term	Aggregate Core Component dictionary Entry Name	Inclusions (BBIEs to be included)	Exclusions (BBIEs to be excluded)
Account. Details		Account Number_Identification. Identifier	
UnstructuredTelecomm unication_Communicati on. Details	Communication. Details	Complete Number. Text	Local Number. Text Country Number. Code Extension Number. Code Area Number. Code Internal_Access. Text Use. Code Special Device Type. Text
Email_Communication	Communication. Details	URI. Identifier	

5.3 Association Business Information Entities

This section identifies any all the ASBIEs where multiplicity restrictions will be applied.

ASBIE name	Multiplicity restriction	Additional comments
Proxy_ Document. Issuer. Proxy_ Party	1	The party that issues this proxy document.
Proxy_ Document. Recipient. Proxy_ Party	1..*	A party that receives this proxy document.
Proxy_ Document. Business Owner_ Named. Proxy_ Party	1	The business owner party named in this proxy document.
Proxy_ Document. Effective. Specified_ Period	0..1	The specified period within which this proxy document is effective.
Proxy_ Party. Postal. Unstructured_ Address	1	The unstructured postal address of this proxy party.
Proxy_ Party. Owned. Client_ Financial Account	0..1	The Client financial Account owned by this proxy_party
Proxy_ Party. Specified. Client_ Business Account	0..1	The client business account specified for this pary party
Proxy_ Party. Defined. Party_ Contact	0..*	A defined contact for this proxy party.
Party_ Contact. Direct_ Telephone. Unstructured_ Telecommunication_ Communication	0..1	The direct unstructured telephone communication information for this party contact.
Party_ Contact. Fax. Unstructured_ Telecommunication_ Communication	0..1	The fax unstructured telecommunication information for this party contact.
Party_ Contact. URI. Email_ Communication	0..1	The email Uniform Resource Identifier (URI) communication information for this party contact.
Client_ Financial Account. Servicing. Payment_ Financial Institution	0..1	The financial institution that services payments for this client financial account.

6 Associated documentation

6.1 Core components UN/CEFACT Registry version used

The Core components UN/CEFACT Registry version used for this document is version 1.0 and Core Components Library version 09B, together with the TBG17 Core component library submission for the ABIEs, BBIEs and ASBIEs of the Accounting Ledger approved by TBG17.

6.2 Root Level Message Assembly

The root element of the Electronic Data Proxy is the ABIE "Proxy_ Document. Details".

The Electronic Data Proxy Message Assembly template is attached here.

business_message_a
ssembly_PROXY.xls

6.3 XMI File

The XMI file corresponding to the canonical data model is attached and transmitted to ICG-ATG.