EAN.UCC XML Business Message Standard For

PARTY

Version 1.3.1

November 2003

TABLE OF CONTENTS

Purpose

The purpose of this Business Message Standard is to provide the necessary information to implement this message as part of the EAN.UCC System. The information contained within this document is a direct result of the work conducted by the EAN.UCC's Align Business Requirements Group.

The content of this document is actually a collection of material from several different sources to create a single source of information that will provide the necessary basics to understand and implement this EAN.UCC Business Message Standard. The core of this document originates from the Business Requirements Document that is created by the Business Requirements Groups to define the business needs that are to be addressed by this Message. The document then provides the technical details needed to implement the message: a report from the Global Data Dictionary, StyleSheet and Instance File.

This Business Message Standard is meant to be used in conjunction with the EAN.UCC XML Schemas that are available on the EAN and UCC websites. The implementer of these standards needs to be aware of the interrelationship amongst the XML Schemas and the importance of using only interoperable versions.

The reader will notice as they progress through this document that there are several different 'levels' of information that is presented. We begin with the business rationale for the message and then move into the technical details of how and what is needed to exchange this message. This design is deliberate to reach the broadest audience and to meet their needs. Based upon the reader's experience and intentions, specific sections of this document may be more valuable than others. This design and content of this document is based upon the direct feedback from our user community and as such, we are constantly revising and refining how and what we present.

Background

EAN.UCC Business Message Standard:	**Party**	
Business Requirement Group:	**Align**	
Business Requirement Document:	**Party**	
Business Requirements Group Manager:	**Jack Eggert**	**Uniform Code Council**
Global Data Dictionary:	**EAN.UCC Global Data Dictionary v1.3.1**	
Schemas:	**EAN.UCC Schemas v1.3.1**	
Schemas have been tested on Parser(s) and Version(s):	**XML Spy Version 4.4, Xerces, XSV**	

Business Requirements Group (BRG)

Business Requirements Document For

PARTY

Version 7.3

March 12, 2003

DOCUMENT HISTORY

Document Number:	7.3
Document Version:	7.3
Document Issue Date	March 12, 2003

Document Summary

Document Title	EAN•UCC – Business Requirements Document For "PARTY"
Owner	Align Data BRG Grant Kille – Chair North America Julia Holden - Vice Chair North America Vic Hansen – Chair EMEA Olivier Mouton – Vice Chair EMEA UCC - Jeggert@uc-council.org UCC – mschneider@uc-council.org
Status	ITRG Approved

Document Change History Log

Date of Change	Version	Reason for Change	Summary of Change	CCR #
January 2, 2002	1.0	New BRD Format		
May 9, 2002	5.0	New BRD Format plus Change Request for CPFR	Change Request to support CPFR	01-000011
May 10, 2002	6.0	Revised model to reflect text changes in 5.0	Updated class diagrams in the BRD	
August 28, 2002	6.1	Additional diagrams inserted	Added external class diagrams. Reworded Section 3.3 Party Containment.	
September 4, 2002	6.2	August 29 conference call.	Modeler's Response to Questions on Version 6.0 and the minutes of August 29 call.	
September 24, 2002	6.3	Updated to incorporate additional comments.	Reworded Section 3.2 and Section 3.3	
September 29, 2002		Updated to include comments to be addressed in the	See Change Summary at the end of document	

		working session Oct 2nd in Boston.		
October 7, 2002	6.4	Working session with Barb Munro, Co-Chair in Boston	See Change Summary at the end of document	
October 11, 2002	6.5	October 10th Conference call	See Change Summary at the end of document	
November 21, 2002	7.1	November 19th Conference calls and comments on 7.0 document	See Change Summary at the end of document	
December 11, 2002	7.2	Model Harmonization	Impact on Appendix D Party Information Appendix E Party Containment Appendix H Document Appendix K Amount Added Appendix L Description	
March 12, 2003	7.3	Model Harmonization	Version 7.3 Harmonization Summary	

Approvals

Name	Title	Signature	Date

Table of Contents

1.0 Business Opportunity:

Party is one of the first messages in the trade process. Party classes and attributes are required to complete the Global Trade Process. This Business Requirement Document outlines the Party process and its place within the greater Global Process by documenting the Global Process models with the supporting data models.

1.1 Problem Statement:

Party is one of the first messages in the trade process. Party is the process of communicating the initial Party data describing the seller, buyer and any third party in a trading relationship. This business process includes communicating Party (supplier, buyer and third party) details such as primary party identification, organizational related details, relationship roles and the Party attributes.

1.2 Audience:

The audience for use of this standard is any participant in the global supply chain. This includes retailers, manufacturers, service providers and other third parties.

1.3 References:

- EAN.UCC Business Message Standards, Version 1.0, July 2001
- EAN.UCC Global Business Model (Process and Data), October 1999
- Java Framework for SIMPL-EDI Requirements Specification, April 2000
- Simple eb(electronic business), March 2000
- BPAWG Model of the International Supply Chain Domain (interim report), January 2000
- Change Request 01-000011
- Change Request 02-000082
- Change Request 02-000083

Additionally, the existing Electronic Data Interchange messages in widespread use were mined for their business content.

- GEDI PRICAT
- UCS 816 Organizational Relationships
- VICS EDI 816 Organizational Relationships

- I/C EDI is not applicable as it has no transaction for party
- EANCOM© PARTIN (Party Information)

Acknowledgement is also due to the work going on in the XML environment.

- ebXML/SOAP
- eCo Framework (Common Business Library)
- Rosettanet
- W3C

1.4 Acknowledgements: Members of the Party Project Team as of November 19, 2002

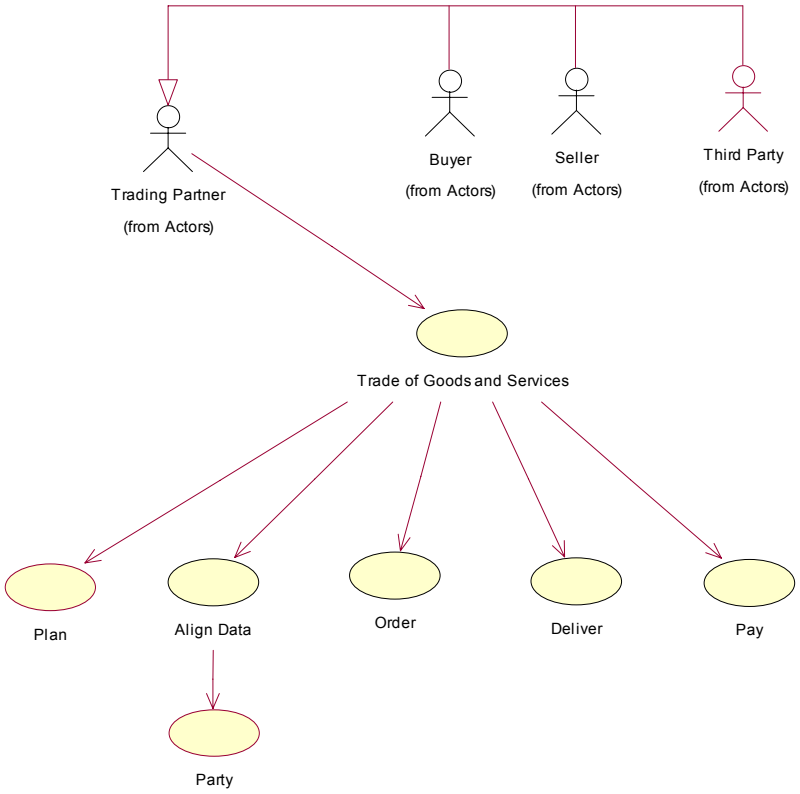
Name	Company
Bowers, Lee	Spring Industries, Inc
Buckley, Greg	Pepsi-Cola USA
Elvin, Frank	Elvin Safety Supply
Harris, Mike	Vialink
Hoban, Cathy	Sears Roebuck & Company
Hyler, Alan	UCCnet
Iwicka, Ewa	EAN International
Laur, Rita	ECCC
Licul, Ed	Transora
Munro, Barb (Co-chair)	Kraft Foods
Panaccio, Robert	P&G
Porri, Peter	The Coca-Cola Company
Sykes, Jim	UCCnet
Wolfson, John	Kraft Foods
Yska, Marcel (Co-chair)	Ahold
Zielinski, Felix	The Coca-Cola Company

Eggert, Jack	EAN.UCC, BRG Manager
Ryu, John	EAN.UCC, Business Process Modeler
Schneider, Maria	EAN.UCC, Project Team Manager
Steck, Terry	EAN.UCC, Administrative Assistant

2.0 Process View – General Requirements:

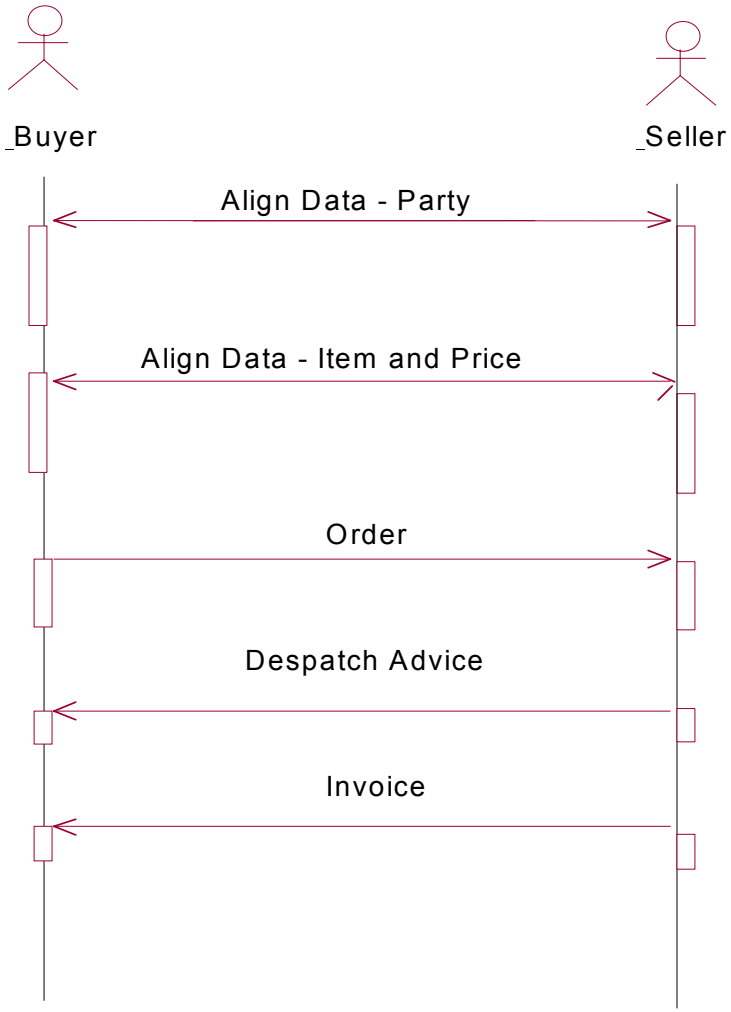
The buyer and seller must make contact and set up a business relationship before trade can proceed. This is a prerequisite to all of the other steps. This initial contact can be made in many different ways. Following the establishment of a trading agreement, the parties must exchange their basic business data such as trading partner names, addresses, locations, item attributes, price lists, contracts and trading partner agreements. Specifically, Party is the initial message in data alignment process. This process creates a common understanding between the trading parties which can be used as a resource throughout the trading process.

The diagram below illustrates the position of Party within the overall EAN.UCC General Business Model.



2.1 Use Case Scenario:

There is only one scenario in the party communication process as described in problem statement of section 1.1. Party data alignment is the process of communicating Party data attributes following the establishment of a business relationship between seller (supplier), buyer or third party.



2.1.1 Business Opportunity/Problem Statement

The objective of this document is to elaborate the Party process in enough detail to support the construction of standards. It is assumed that the players, both seller and buyer, have established a business understanding of the trading partner relationship. The challenge is to provide the information needed to complete all supply chain processes without duplicating Master data.

2.1.2 Actors

The two general players in the Party process are the "seller" and the "buyer". Depending on the specific nature of the relationship, other players such as Third Parties, may have a role. The table below summarizes the roles associated with each player in the Party process.

Actor's Name	Description	Buyer	Seller	Third Party
Seller	**Manufacturer or supplier of the item**		**X**	**X**
Buyer	**Retailer or distributor of the item**	**X**		**X**
Third Party	**Other parties that somehow influence the item and may include creation, distribution, publication, and/or maintenance of the item.**	**X**	**X**	**X**

2.1.3 Preconditions

The Party process begins when the parties decide to commence business.

2.1.4 Process Start

The start-state of the Party process begins during the initial discussions between the trading partners and the need to exchange party organizational information.

2.1.5 Process End

Once the party data has been accepted by both the seller and buyer, Party data alignment has been achieved. This process can be an ongoing process as party information changes or new parties are added. The process of trading goods and services can now occur.

2.1.6 Post Conditions

Once party synchronization has occurred, subsequent transactions like Item and Price data synchronization can occur.

2.1.7 Process Activities

Step #	Actor*	Activity Step
1	All	All preconditions have been met.
2	Buyer	Communicates party data.
3	Seller	Communicates party data.
4	Seller	Applies party data or notifies the buyer of any errors in the party data.
5	Buyer	Applies party data or notifies the seller of any errors in the party data.

*The third party is not shown in this chart as third party assumes the roles of either buyer or seller.

3.0 Logical View

A Party message includes the party's unique party identification and associated party information outlined in the following tables and models: contact information, geographic location, effective dates, financial information, facility specifications, payment terms, roles, allowances and charges, Planning Management Profile,etc.

Please see "Appendix A Reading Class Diagrams" for information on the meaning of colours and notations used in Class Diagrams

3.1 Party:

Data Name	Definition	Mandatory/Optional
Party Document	Identifies the document that is being sent. It is used to make the distinction between Party information as sent in a document and Party as a business entity. This document has a unique identifier (Party Document Number) and includes in it, all information pertaining to the business entity "Party ".	**Mandatory**
Party Identification	Unique location number identifying the Party for which the rest of the message defines.	**Mandatory**
Party Identification of the Information Provider	Unique location number identifying the information owner. E.g. Distributor, broker, Manufacturer. This is not a third party service provider. The purpose of this field is to identify the originator of the data. Example Trade Item A - is available to retailer B from manufacturer C or distributor D. The retailer could receive information from both sellers and this field declares the information owner.	**Optional (Mandatory for Global Data Synch Standards**

3.2 Party (Party Identification):

Data Name	Definition	Mandatory/Optional
Party Identification	There is a choice of selecting either a GLN (Recommended) or Alternate Party Identification as your primary party identification. Additionally, optional party identification, which cannot be GLN may be included. For example you may select one GLN as your primary party identification with additional party identification (i.e. GLN cross referenced to DUNS **OR** you may select an Alternate as your primary party identification with reference to additional party identification alternates). If you elect to use a DUNS number as your primary party identification, you may cross-reference this to another alternate number such as a buyer assigned customer number. However, again GLN may not be used as the additional alternate.	**Mandatory**
GLN (Global Location Number)	The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the recommended primary party identifier. Each party identified in the trading relationship must have a primary party Identification. We recommend use of GLN. However, we have allowed for use of alternate party identification for transition.	**Optional (Mandatory for Global Data Synch Standards)**
Alternate Party Identification Type	• DEA (Drug Enforcement Agency • DUNS (Dun & Bradstreet) • DUNS+4 (Dun & Bradstreet plus four) • HIN (Canadian Healthcare Identification Number • SCAC (Standard Carrier Alpha Code) • Seller assigned identifier for a Party • Buyer assigned identifier for a Party • UCC Communications ID • UN_LOCATION_CODE (United Nations Location Code) • TDLink (Trade Dimensions)	**Optional**
Alternate Party Identification	Only one primary party identifier is used for each party. If an alternate identifier, other than GLN is used, there is no guarantee of data integrity across the process. It is the responsibility of the company electing the choice to ensure data integrity.	**Optional**

3.3 Party (Party Information):

Data Name	Definition	Mandatory/Optional
Party Information	This class contains all party related information as described in this section..	**Mandatory**
Communication Channel	Each contact can have zero or more communication channels. The channel types are expressed as a telephone number, an email address, a telefax number, or web address. (See dependency of communication channel type.)	**Optional**
Contact	These attributes detail the contact name or department name within the party. To simplify the overall trade process, each party has the option to identify one or more points of contact.	**Optional**
Facility Specification	These elements are the operating days and times. To simplify the deliver process, details about each trading partner's facility can be specified and aligned among the trading partners. This information may include the operating days (Monday through Sunday), the operating time from and to, the time zone of the location, and a notation identifying if an appointment is required (Y/N).	**Optional**
Name and Address	Each party will identify their party name and address. The Party information will include city, name, country code ISO 3166, and the language of the party ISO 639-1988. Optional address information may include: street address, P.O. Box number, state, province code, and postal code.	**Mandatory**
Party Dates	These elements are the effective start, change and end dates used to indicate the availability of party information. The format CCYY-MM-DD is used for Party End and Start Dates. The format CCYY-MM-DDTHH: MM:SS must be used for effective change date. Zeros may be used for the hours and minutes in the event that the time is not known.	**Start date is Mandatory** **All others are Optional**
Party Role List	These are elements defining the roles and relationships of the party, such as buyer, seller, distribution center, store, etc. More than one role may be associated with a GLN. The enumeration list for party role contains: • Bill To • Buyer	**Primary Party Role is Mandatory**

	• Consumer • Corporate Identity • Delivery Party • Distributor/Broker • Information Provider • Invoicee • Issuer Of Invoice • Logistics Service Provider • Manufacturing Plant • Mark For • Message From • Message Recipient • Operator • Party To Receive Commercial Invoice • Payee • Payer • Seller • Ship From • Ship To • Store • Supplier • Warehouse And Or Depot	
Planning Management Profile	• Rounding Rules Description. This attribute is an identifier of the policy that the replenishment algorithm should use to round off shipments (Example: e.g. round up to the next pallet quantity). • Safety Stock Rules Description. An identifier of the policy that the replenishment algorithm should use in evaluating safety stock (Example: include or exclude deliveries that have not been unloaded). • Transportation Strategy Description. An identifier of the policy that the replenishment algorithm should use to drive transportation selection (costs, time, preferred carrier). Although these rules are established at the Trading Partner level, Item rules, which may be used as an over-ride are yet to be established.	**Optional**
Party Tax Information	These are selected tax details provided by each Party. Multiple tax types may be associated with **one** GLN (Example: Federal, state and city taxes applicable to a specific GLN). Attributes within this class include: • tax authority • tax registration number • type of tax registration	**Optional**

	• tax amount • tax per cent Note: There are specific taxes, which may be associated with certain trade items. The relevant GSMP project teams will review this later.	

Allowances and Charges	Allowances and charges are included in this table to enable the Pay process. Visibility is provided to programs specific to the item, specific to the GLN or through a combination of item and GLN – all serving to alter product "price". A full listing of attributes may be referenced in the Allowance Charge class structure.	**Optional**
Financial Institution Information (Banking Information)	Each party will identify the banking information required to conduct trade. This is a prerequisite to the pay process and includes: • banking institution's name and address • routing information (number and type) • account information (name, number and type) A full listing of attributes may be referenced in the Financial Information class structure.	**Optional**
Payment Terms	These are financial details associated with the Party such as Terms of Payment. Each Party has the option of identifying this financial information as a prerequisite to the pay process. The agreed upon standard terms of payment requirements are captured within the Payment Terms class structure. Major components of this class structure are: • Payment Terms List • Proximo Cut Off Date • Payment Terms Event List • Net Payment • Installment Due • Discount Payment • Payment Time Period Additional details may found in the Payment Terms class structure.	**Optional**

3.4 Party Containment

Party containment provides a method of identifying organizational relationships and hierarchies for geographic, functional or legal entities of an organization such as corporate headquarters, distribution centers, stores, and store departments. As indicated in the Class Diagram for Party Containment (Appendix E), the hierarchy supports associating multiple children with a single parent.

It is recommended that only GLNs be used in party containment.

Because all components are already defined, the data elements needed to support Party Containment are as follows.

Data Name	Definition	Mandatory/Optional
Party Child	This class identifies the Party that is immediately below the current Party. The current Party is the parent of this "child" party.	**Mandatory if the optional PartyContainment is used**
Party Containment ---	Party containment provides functionality to identify other GLNs associated with the primary party identification and/or at the next lower level. Only one primary party identifier is used for each party. If an alternate identifier, other than GLN is used, there is no guarantee of data integrity across the process. It is the responsibility of the company electing the choice to ensure data integrity. **See Implementation Guidelines**	**Optional**

4.0 Party Data Attribute List:

- Allowances Charge (from Order Process – Allowance Charge)
- Alternate Party Identification
- Alternate Party Identification List
- Communication Channel
- Communication Channel List
- Contact
- Facility Specification
- Financial Institution Information (from Settlement)
- Global Location Number
- Name and Address
- Party
- Party Dates
- Party Tax Information
- Party Identification
- Party Child
- Party Containment
- Party Role List
- Payment Terms (from Order Process - Payment Terms)
- Planning Management Profile

Appendix A: Reading Class Diagrams

Class Diagram colour coding:

- Red is used to indicate the root class for these business requirements.
- Grey is used to indicate classes that are common to more than one class diagram, supporting the practice and benefits of class re-usability.
- Yellow is used to indicate classes that are specific at this time to Party.
- Green is used to indicate notes.

Notation on Arrows (relationships) in Class Diagrams:

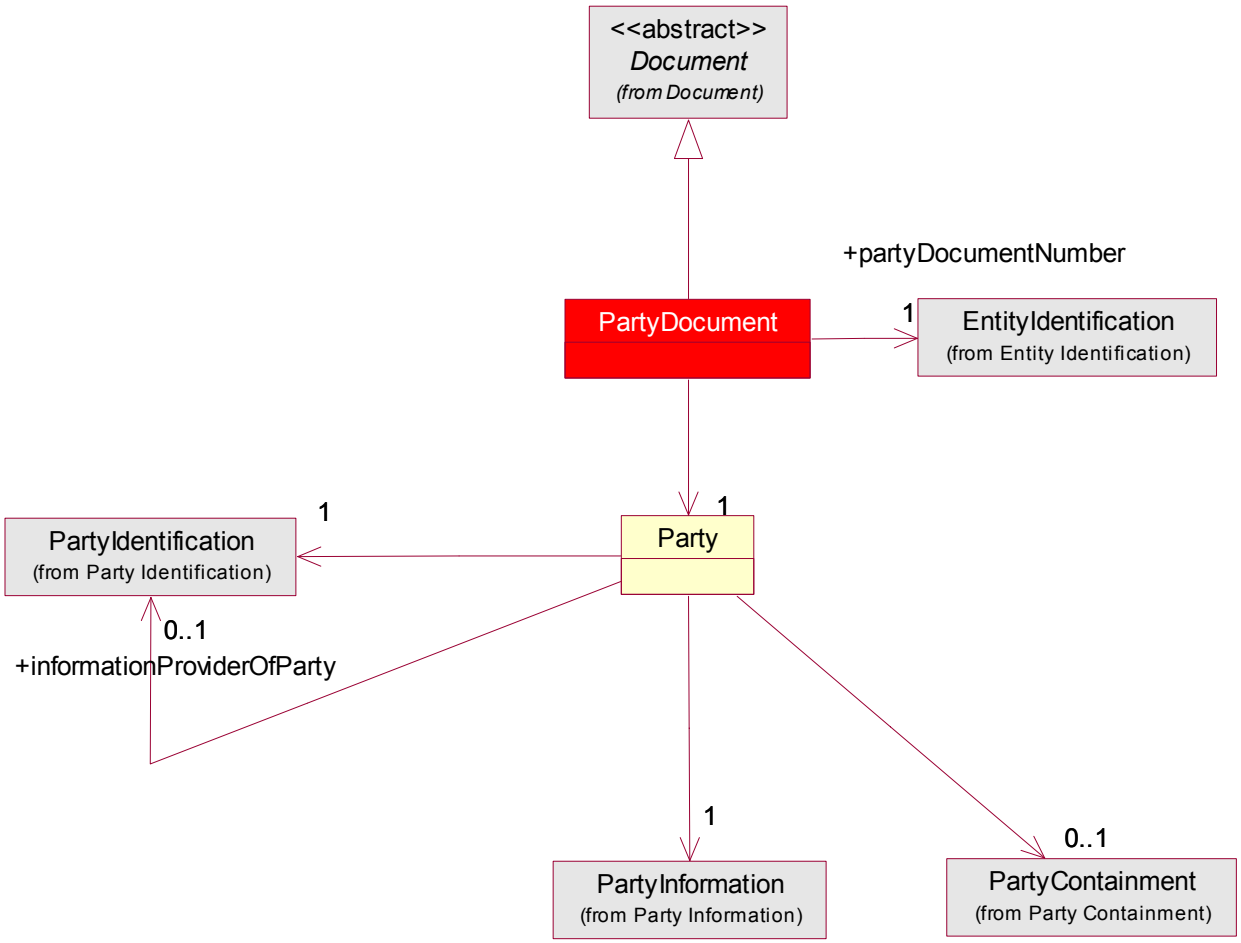
- No notation = Mandatory
- 1 = Mandatory
- 1..n = Mandatory and Repeatable
- 0..1 = Optional
- 0..n = Optional and Repeatable

Notation on Attributes in Classes:

- All attributes default to Mandatory unless otherwise noted.
- *Attribute*[0..1] = Optional
- *Attribute*[0..n] = Optional and Repeatable
- *Attribute*[1..n] = Mandatory and Repeatable

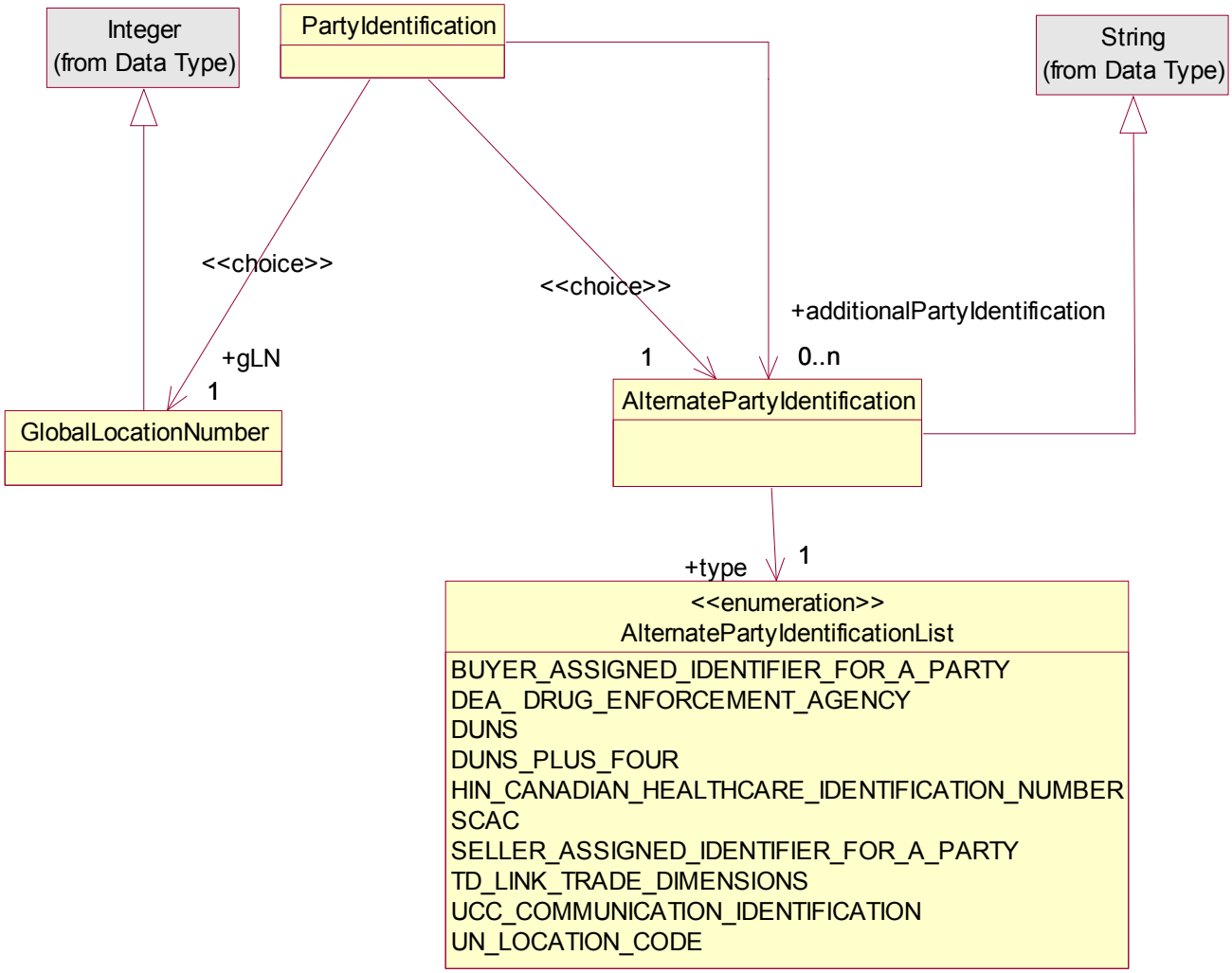
Appendix B: Class Diagram Party

Business Process: ALIGN: Party



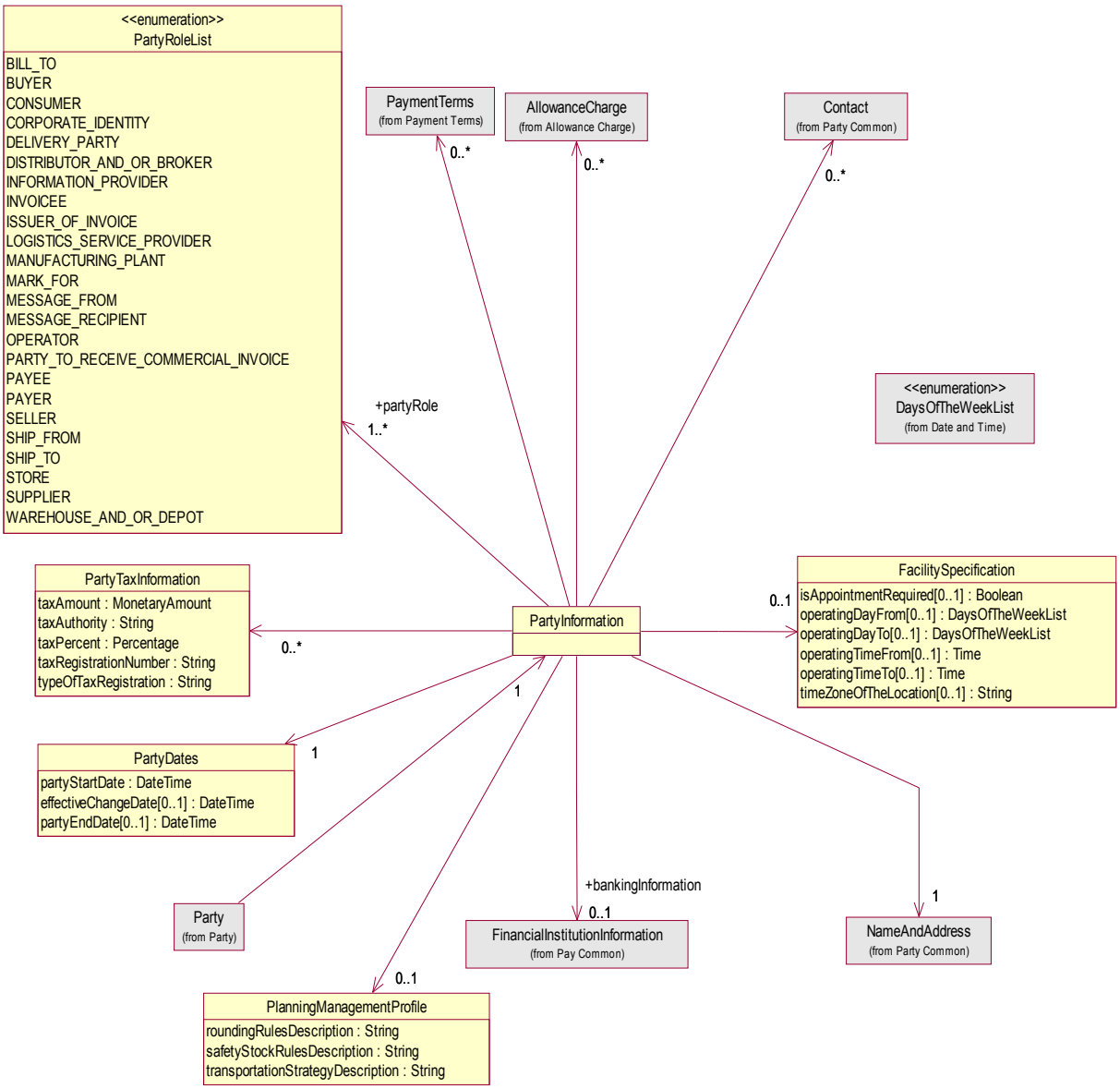
Appendix C: Class Diagram Party Identification

Common Library: Common: Identification: Party Identification



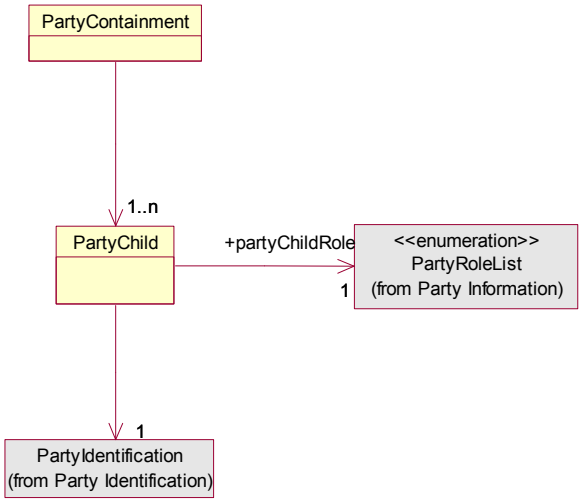
Appendix D: Class Diagram Party Information

Business Process: ALIGN: Party: Party Information



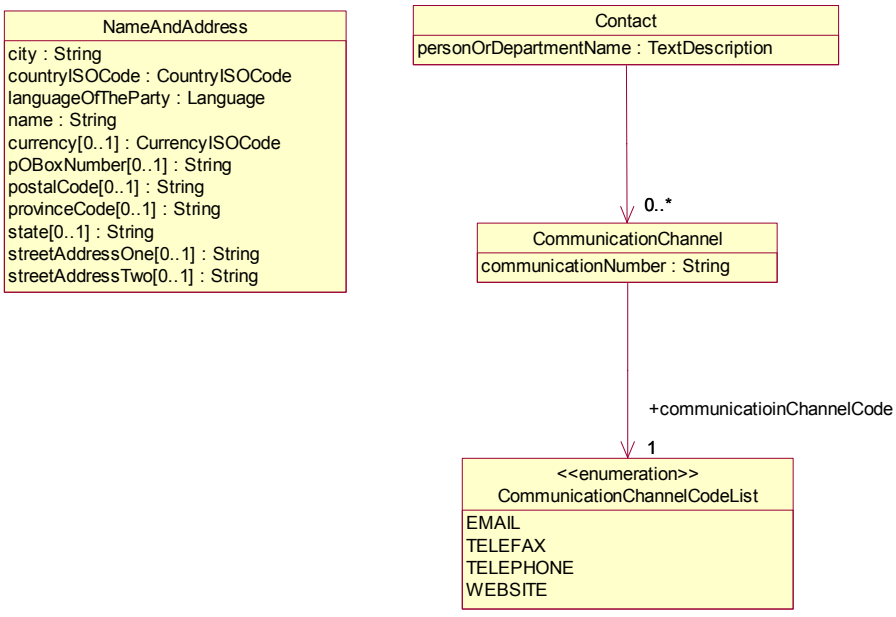
Appendix E: Class Diagram Party Containment

Business Process: ALIGN: Part: Party Containment



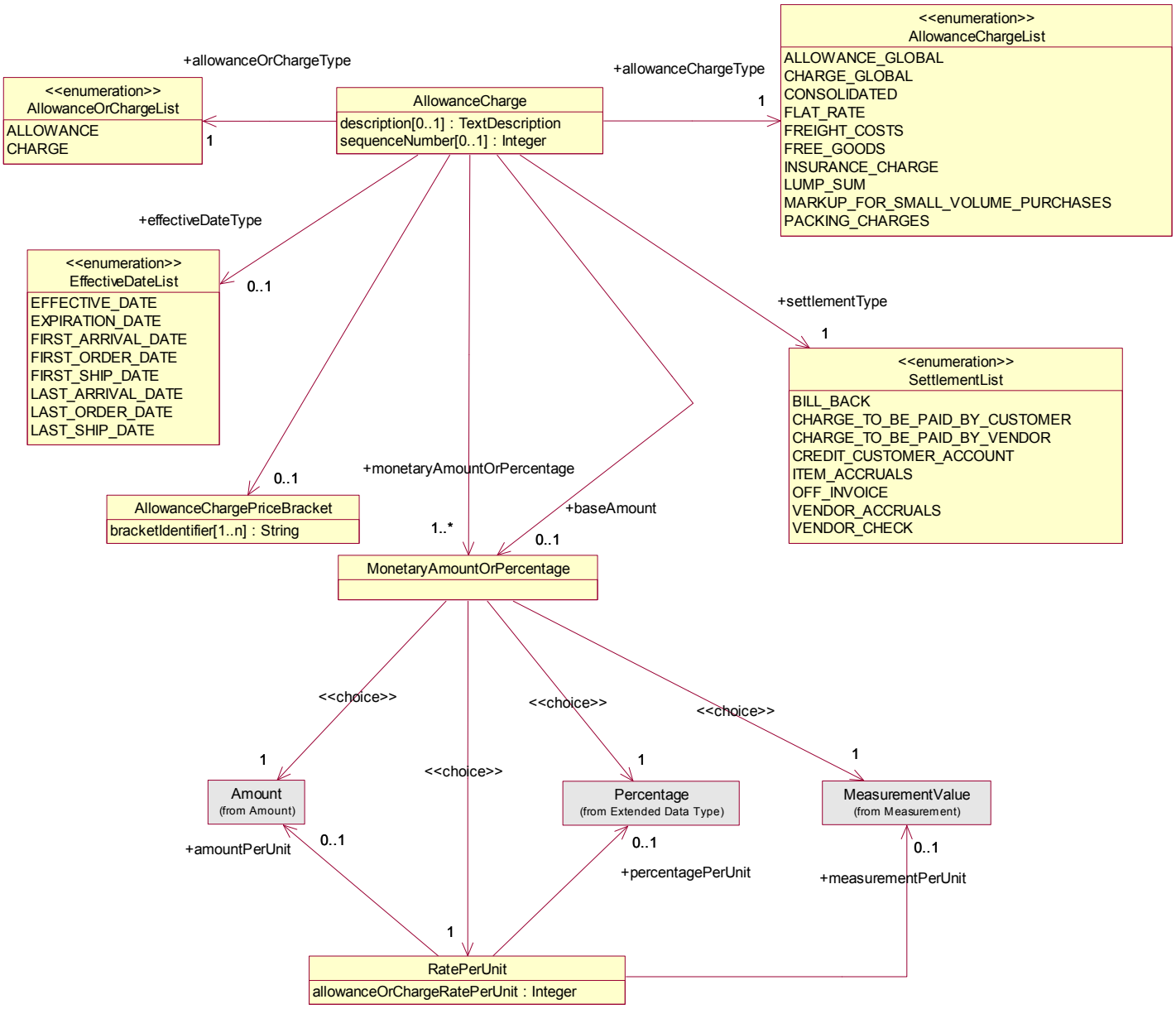
Appendix F: Class Diagram Party Common

Business Process: ALIGN: Party: Party Common



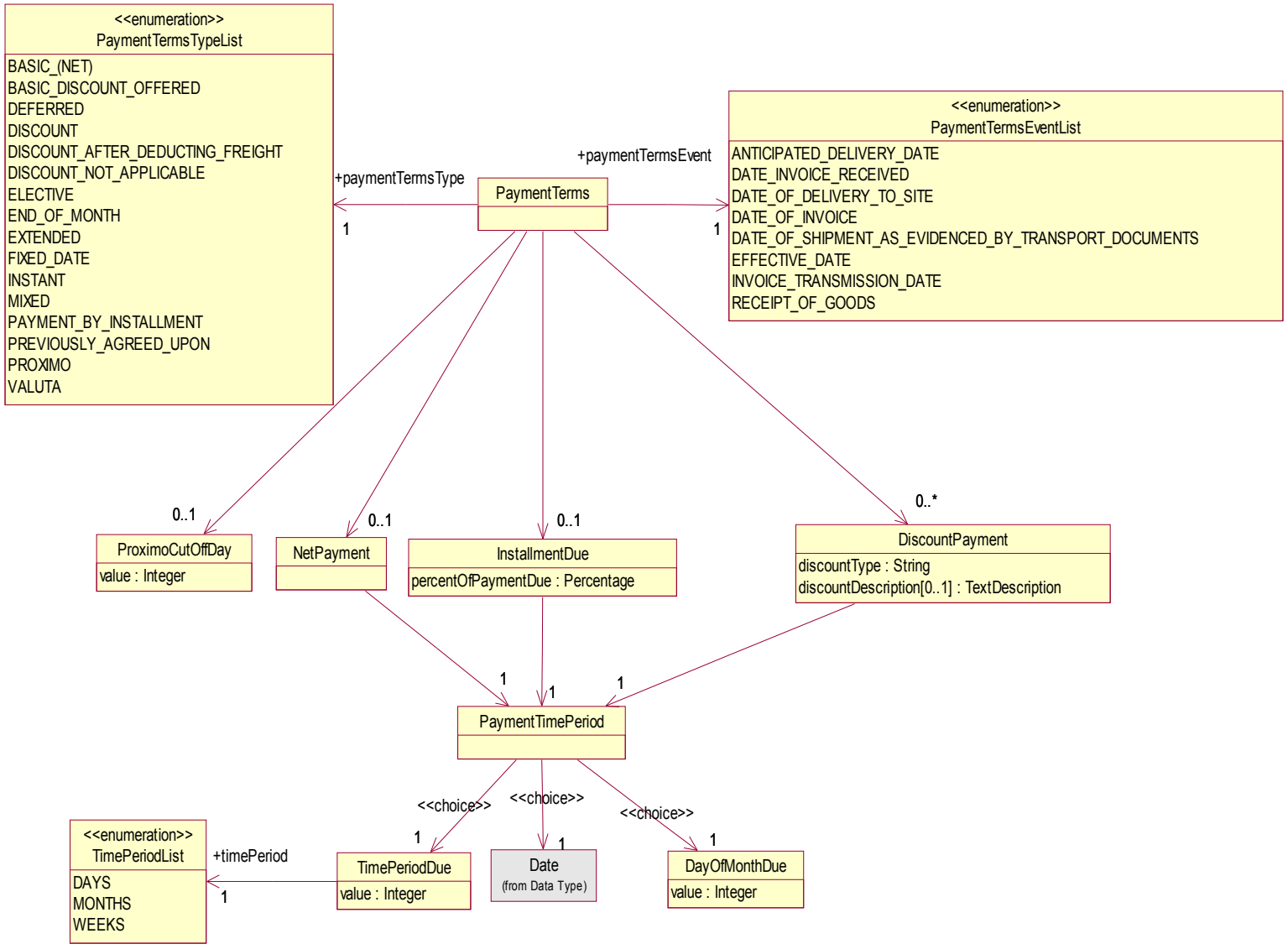
Appendix G: Class Diagram Allowance Charge

Business Process: Order: Terms: Allowance Charge



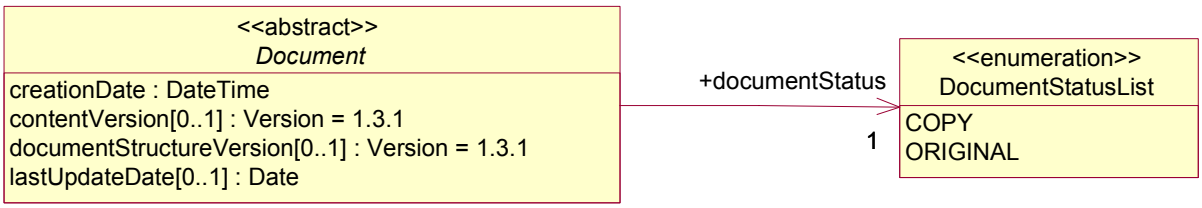
Appendix H: Class Diagram Payment Terms

Business Process: ORDER: Terms: Payment Terms

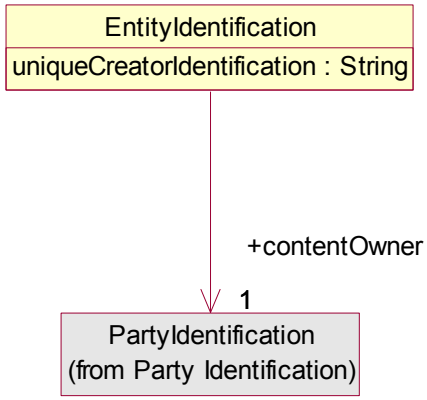


Appendix I: Class Diagram Document

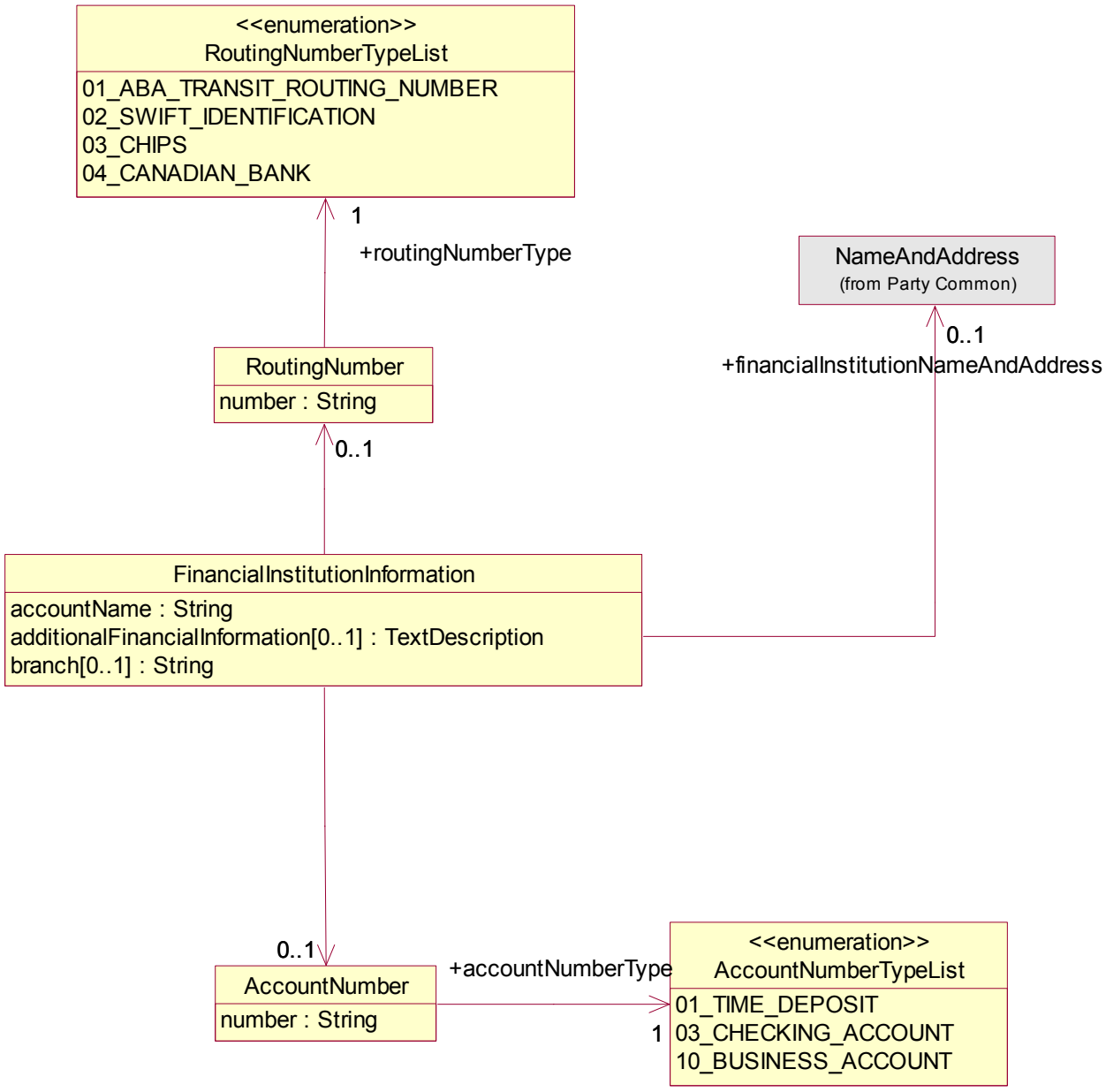
Common Library: Common: Components: Document



Appendix J: Class Diagram for Entity Identification

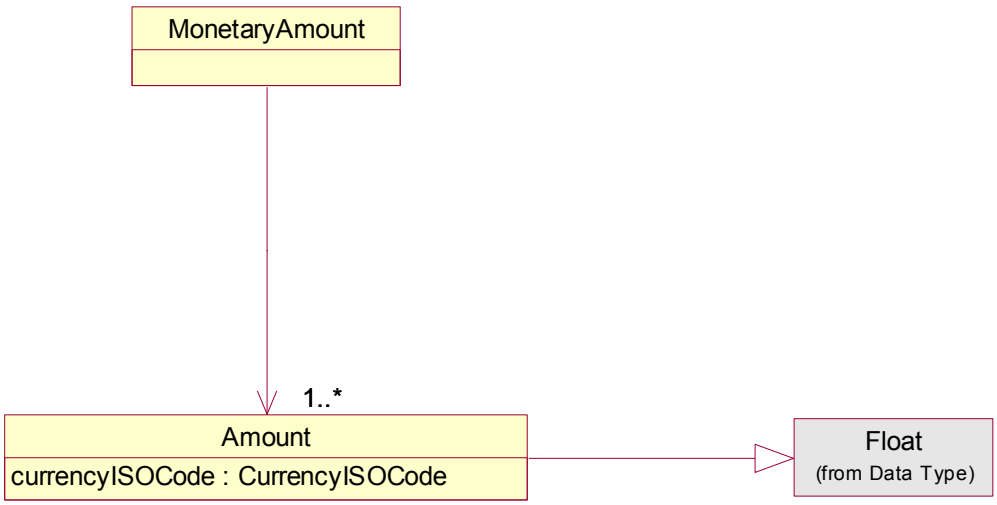


Appendix K: Class Diagram Financial Institution Information



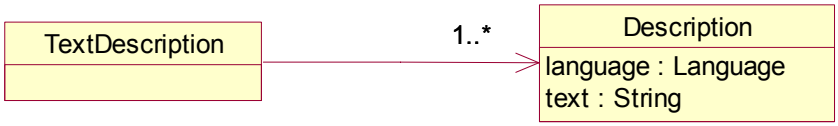
Appendix L: Class Diagram Amount

Common Library: Common: Components: Amount



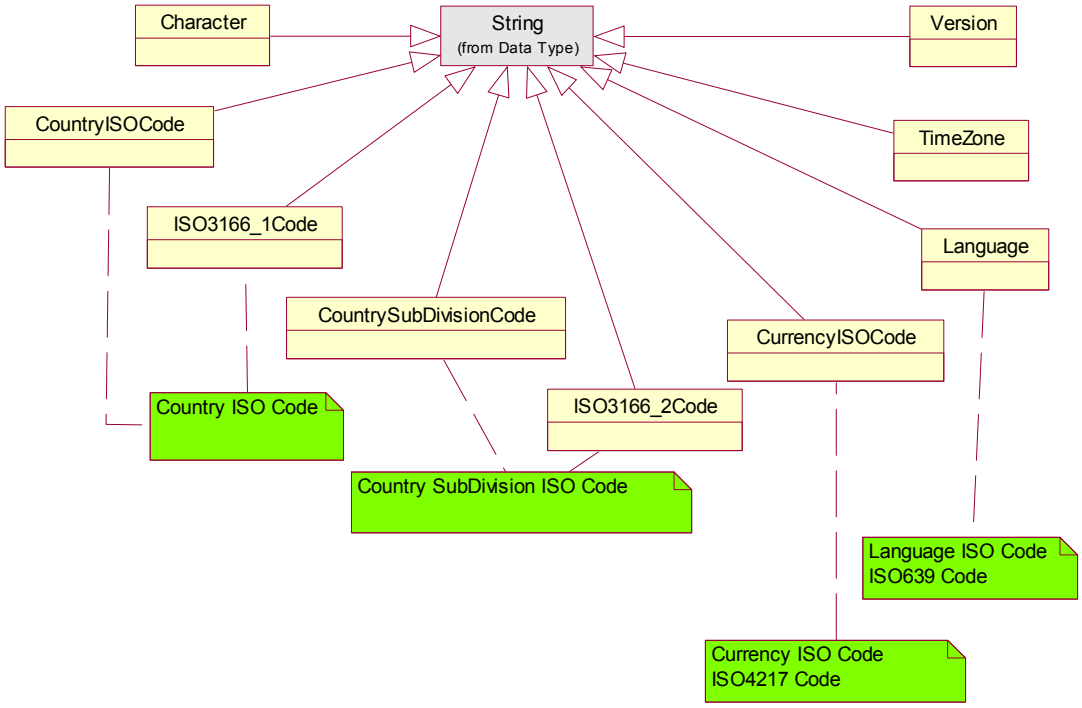
Appendix M: Class Diagram Description

Common Library: Common: Components :Description



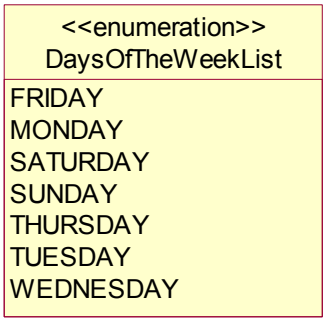
Appendix N: Class Diagram Extended Data Type

Common Library: Common: Extended Data Type



Appendix O: Class Diagram Date And Time

Common Library: Common: Components: Date and Time



Addendum Modeler's Consideration

Section 3.2

1. Recommendation to change Data Name: CPFR®Management Profile-→Planning Management Profile.

Reasons

1. CPFR® must have the copyright symbol attached and is a registered trademark.
2. CPFR would be too specific in nature.
3. Planning fits nicely here.

2. Recommendation to remove time zone of the location from Data Name: Facility Specificaiton.

- Time Zone can be caluclated from this example, to indicate 1:20 pm for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 13:20:00-05:00
- Below is the definition of time.

> ***3.2.8 time***
> [Definition:] **time** represents an instant of time that recurs every day. The ·value space· of **time** is the space of *time of day* values as defined in § 5.3 of [ISO 8601]. Specifically, it is a set of zero-duration daily time instances.
>
> Since the lexical representation allows an optional time zone indicator, **time** values are partially ordered because it may not be able to determine the order of two values one of which has a time zone and the other does not. The order relation on **time** values is the Order relation on dateTime (§3.2.7.3) using an arbitrary date. See also Adding durations to dateTimes (§E). Pairs of **time** values with or without time zone indicators are totally ordered.
>
> ***3.2.8.1 Lexical representation***
> The lexical representation for **time** is the left truncated lexical representation for dateTime: hh:mm:ss.sss with optional following time zone indicator. For example, to indicate 1:20 pm for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 13:20:00-05:00. See also ISO 8601 Date and Time Formats (§D).

3. Data Name: Party Dates. Recommendation: Effective Change Date should be in format of Date and Time (CCYY-MM-DDTHH:MM:SS-TZ). Party End Date and Party Start Date should be in format of Date (CCYY-MM-DD).

- Date should be either date or date and time.
- Should not allow Date Choice if a choice is mandatory, then let's use date time and users should input 'zero' value for the time section.

> For example, to indicate 1:20 pm on May the 31st, 1999 for Eastern Standard Time which is 5 hours behind Coordinated Universal Time (UTC), one would write: 1999-05-31T13:20:00-05:00.

4. Data Name: Name And Address. Recommendation: Remove city name as optional

- Conflict between mandatory city and optional city name.
- Keep city as mandatory.

5. Data Name: Party Role. Recommendation: Change Warehouse/Depot→Warehouse Or Depot

- Refrain from using '/'.

6. For the attributes in the Party Dates class, please select either Date or DateTime. If Date choice is needed, Date Time should be selected.
7. Add Unique identifer to the party document.

5.0 Implementation Considerations and Concerns

The purpose of this section is to provide information related to the generic Party model contained in this document that could be helpful during implementation. The original Party BRD v.6.0, approved by the Align Data Business Requirments Group is the basis of this final document. The current Party project team under the Align BRG has carefully reviewed the enhancements that have been incorporated, principally technical (BUML) in order to ensure the model's functionality in a production environment.

This section attempts to offer notes and information about the data needed when business partners convey Party information to each other. The attributes defined in the business requirement section describe the generic Party data that identifies a seller, a buyer, and any third party involved in the trading relationship.

In order to communicate Party related data, a pre-established business relationship must exist among the involved supply chain players in order to allow for an exchange of information deemed necessary for conducting normal business transactions.

The party data defined in this document is part of the foundational process that allows for data alignment, where party is the first message in the trade process.

5. 1 Global Location Number (GLN)

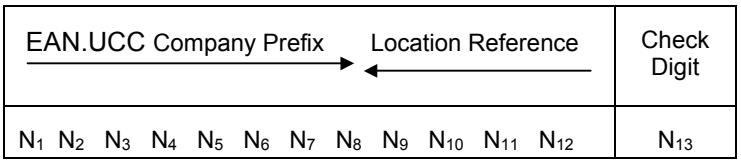
Much of the information regarding GLN in this section references Sections 1.3 and 2.4 from the EAN.UCC General Specifications, July 2002, v.3.1.

The EAN.UCC Global Location Number (GLN) is used to uniquely identify a physical, functional, or legal entity. The Global Location number is a numeric code that is used as a *reference key* to retrieve information from databases about stores, manufacturing centers, warehouses, sales offices, corporate headquarters, distribution centers, corporations, departments, etc.

A separate unique number is required to identify each different location. Once assigned at the source (e.g. usually by the party owning the location), the GLN becomes a unique and universal reference that can be used by all. The exact method used to allocate the EAN.UCC Global Location Number (GLN) is at the discretion of the issuing organization.

The GLN uses the same structure as EAN/UCC-13 Identification Numbers for Trade Items, but must be treated as a separate series of numbers. Its components are:

- An EAN.UCC Company Prefix
- A location reference
- A check digit



N_i' represents a digit

In business operations, location numbers are meaningless if they are not associated with a particular function or purpose. The GLN provides a means to identify virtually limitless numbers of legal entities, trading partners, and locations to support the requirements of electronic commerce (B2B and B2C). The GLN is designed to improve the efficiency of integrated logistics while contributing added value to partners involved as well as to consumers. The GLN is used based on the internal organization and/or applications of a company.

Examples of parties and locations that can be identified by GLN are:
Functional entities – e.g., a purchasing department within a legal entity, an accounting department, a returns department, a nursing station, a ward, a customer number within a legal entity, etc.

Physical entities – e.g., a particular room in a building, warehouse, warehouse gate, loading dock, delivery point, cabinet, cabinet shelf housing circuit boards, hospital wing, etc.

Legal entities/Trading Partners - e.g., buyers, sellers, whole companies, subsidiaries, financial services companies, freight forwarders, etc.

The characteristics of a party or location should be established and housed electronically using the EAN.UCC Global Location Number (GLN) as the key to the information. Examples of related information include the full name and address of the party, banking details, contact information, etc.

The identification of physical, functional, or legal entities is required:

- For EDI messages
- For XML messages associated with the order, bill and payment processes
- When providing transport information on logistic units
- To enable bar code symbol identification of actual locations (e.g., goods inward, warehouse shelving)

Global Location Numbers (GLN) can be encoded into UCC/EAN-128 symbols and placed in:

- Trade items to identify the parties involved in the transaction
- Logistic units to identify the parties involved in the transaction
- Physical locations to identify place of delivery, point of shipment, point of storage.
-

The following are the Application Identifiers used with GLN:

- AI 410 - GLN of the consignee
- AI 411 - GLN of the addressee of an invoice
- AI 412 - GLN of company the trade item has been purchased from
- AI 413 - GLN of internal or final destination
- AI 414 – GLN of a physical location

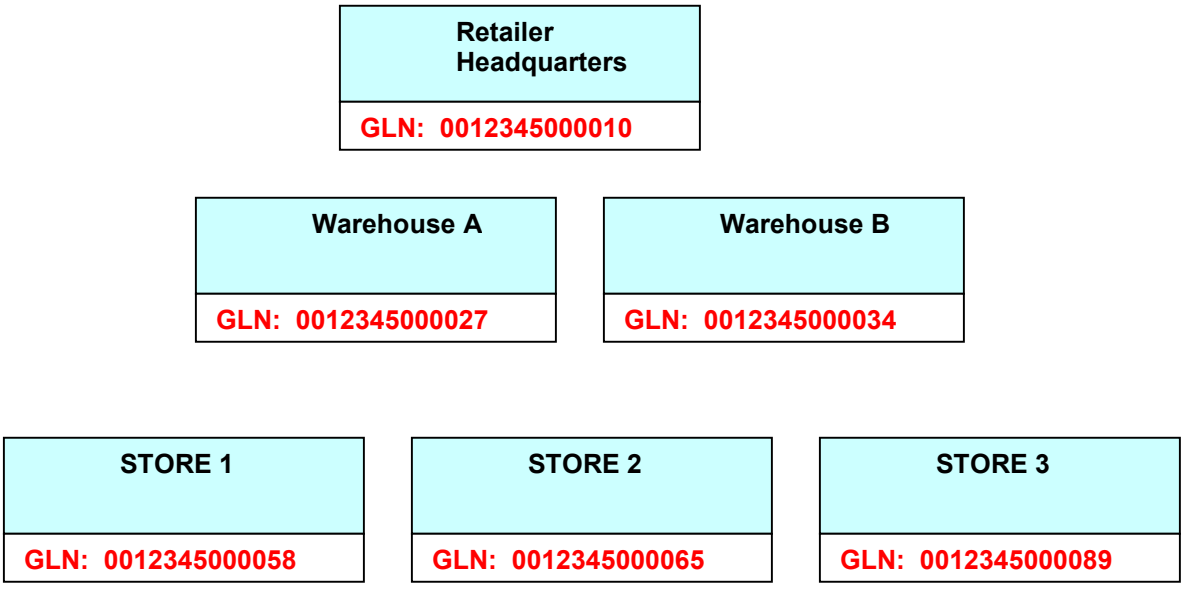
The following pages depict examples of GLN use. These are intended to illustrate how manufacturers and retailers could use GLNs to identify their organizations from a legal .(e.g. Corporate Headquarters), functional (e.g. Accounting Department), and geographic (Manufacturing site) perspective.

EXAMPLE OF GLN - Manufacturer

EAN.UCC Company Prefix = 0061414

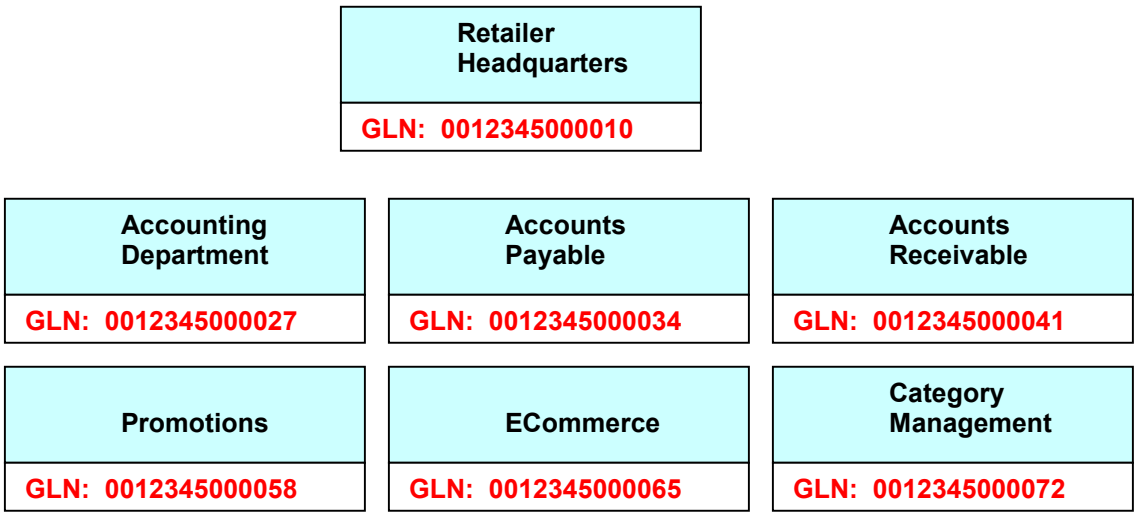
EXAMPLE OF GLN - Retailer

EAN.UCC Company Prefix = 0012345



EXAMPLE OF GLN - Retailer

EAN.UCC Company Prefix = 0012345



EXAMPLE OF GLN – Distributor Supplying Owned & Non-Owned Stores

EAN.UCC Company Prefix = 0012345

Handling Location Changes

In accordance with EAN.UCC General Specifications (Section 2.4, July 2002 v.3.1), the details related to an EAN.UCC Global Location Number (GLN) might change. The location identified by the GLN may change ownership or the business carried out at one address may be transferred to a new address. The following are general cases on the use (or re-use) of GLNs due to a change in the circumstances in which the number was originally established.

- If a company (possibly because of liquidation) sells a location to another party who may or may not be using GLNs, the GLN for the address that is associated with the previous owner should be closed. If the new owner of the address wishes to identify the location with a GLN, a new number should be assigned.

- If a company closes one address and opens a similar operation at a new address, the company may either transfer the existing GLN to the new address or assign a new GLN for the new address. The reason for requesting a new GLN may be that the owner wants to maintain records on his computer files that show the performance of the old location. At a later date, this performance may be compared with the performance of the new location.

- If a function identified by a GLN changes, the responsible party should change the details associated with the GLN on the related computer file record.

A GLN that is no longer in use should remain on record for at least three years before being reallocated. The delay must allow time for all references of the old GLN to be removed from trading partners' files. When the GLN is put into use once again, the details relating to the new party and/or location must be retransmitted.

5. 2 Alternate Party Identification

Although the Party model defined in this document recommends the use of the GLN as the primary party identifier, it also provides for the use of an alternate party identification (e.g., DUNS).

Allowing the use of alternate party identification in the foundational Party (and Item) model eases the transition for those EAN.UCC industries that currently do not use GLN as their primary party identification. However, it is critical to emphasize that use of an alternate party identifier may not guarantee data integrity throughout global supply chain processes such as data alignment. For trading partners wishing to participate in E- collaboration processes such as data synchronization, GLN is mandatory.

Ultimately, our vision is comprehensive use of GLN throughout the supply chain.

5.3 Party Roles

This section describes the role of the party in the supply chain. A party may have more than one role. The model in this document allows multiple roles per GLN. At point of writing, the Party Project Team recognizes that the Party Role List provided below will require an expanded list of roles to reflect those used by other Industries and industry sectors. This will be addressed in later phases of the project.

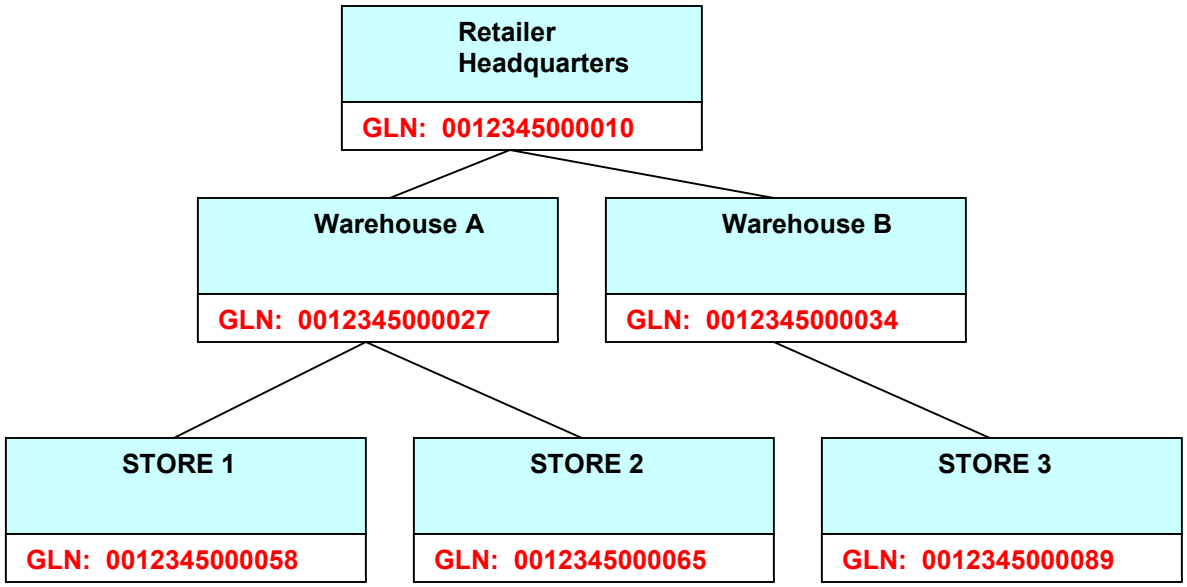
- Bill To: Party which receives goods and invoice
- Buyer: Party to which merchandise is sold
- Corporate Identity: Identity of the party to whom all other parties of the same commercial organization are linked
- Consumer: The end user of a trade item or a service.
- Delivery Party: Party to which goods are delivered.
- Distributor/Broker: A person or persons who receive goods or equipment from a manufacturer, which are then resold/redistributed elsewhere.
- Information Provider: The Party providing the information contained in the document.
- Invoicee: Party to whom an invoice is issued
- Issuer Of Invoice: Party which issues an invoice.
- Logistics Service Provider: Party, which provides Logistic Services for another party.
- Manufacturing Plant: Industrial department of a company in which goods are manufactured with appropriate equipment and fittings.
- Mark For: Indicates the ultimate party or destination such as when cross docking you would mark for the store number to be distributed and delivered.
- Message From: Party where the message comes from.
- Message Recipient: Party receiving the message.
- Operator: A person or persons who own or operate a business establishment, which services consumers directly. For example a restaurant owner as part of a chain or an independent operation.
- Party To Receive Commercial Invoice Remittance Party to whom payment for a commercial invoice or bill should be remitted.
- Payee: Party, which receives payment.
- Payer: Party, which initiates payment.
- Seller: Party, which sells products or services to a buyer.
- Ship From: Party from where goods will be or have been shipped.
- Ship To: Party, which receives goods and invoices.
- Store: a physical entity that sells trade items to a consumer.
- Supplier: Party, which provides service(s) and/or manufactures or otherwise has possession of goods and consigns or makes them available in trade.
- Warehouse/Depot: Industrial department of a company equipped with appropriate equipment and fittings in which goods are stored in appropriate conditions.
- Operator: A person or persons who through a retail operation have direct contact with consumers. Example: an owner of restaurants as part of a chain of independent.

5.4 Party Containment

Party Containment is summarized in Section 3.4 of this document. Similar to the containment used for Item hierarchy, party containment identifies the Party contained at the next lower level within the party hierarchy.

EXAMPLE OF Party Containment - Retailer

EAN.UCC Company Prefix = 0012345



The following messages must be created to communicate the above example to a Trading Partner:

1. Party Document for Store 1
2. Party Document for Store 2
3. Party Document for Store 3
4. Party Document for Warehouse A including:
    a. PartyContainment for:
        i. partyChildRole of “STORE”
        ii. PartyIdentification of Store 1
    b. PartyContainment for:

i. partyChildRole of “STORE”

ii. PartyIdentification of Store 2

5. Party Document for Warehouse B including:
    a. PartyContainment for:
        i. partyChildRole of “STORE”
        ii. PartyIdentification of Store 3
6. Party Document for Retail Headquarters including:
    a. PartyContainment for:
        i. partyChildRole of “WAREHOUSE_AND_OR_DEPOT”
        ii. PartyIdentification of Warehouse A
    b. PartyContainment for:
        i. partyChildRole of “WAREHOUSE_AND_OR_DEPOT”
        ii. PartyIdentification of Warehouse B

5.5 Recommendation on GLN Sunrise date

The group responsible for the enhancement of this document was engaged in discussions of a GLN sunrise date as part of its original scope. The topic occupied a standing agenda item during the group meetings. Based on several group interactions regarding this important matter and given the diversity of the opinions received by the group members, the team agreed that a statement of position needed to be communicated to the parent group, the Align Data Business Requirement Group (BRG).

The Party team Co-chairs communicated the diverse team discussions regarding GLN sunrise date. Below is the recommendation of the Party team to the Align Data BRG:

- The EAN.UCC GSMP Executive Management address what process is required for establishing the need for a sunrise date. Within the EAN.UCC GSMP, there is also a need to clarify the appropriate process to assess, establish and communicate “sunrise” dates.

- Part of the process of establishing the sunrise date should involve a broader constituency of global users. It was recommended that this be directed to a number of existing business teams such as GCI, GMA, and FMI. This list is not intended to be comprehensive. Representation may be needed from other teams to develop one cohesive position.

Additionally, the Party team wishes to emphasize that although GLN has been defined as optional (but recommended) in the foundational standards under development, for trading partners wishing to participate in global trade, using data synchronization standards, GLN is mandatory.

5. 6 Notes for Target Market

At present, the need to include Target Market within the Party Model is under review in conjunction with other GSMP Project Teams (Item). If compelling business requirements exist to support inclusion in the Party model, this will be addressed in the next release of the Business Requirements Document. Any alterations will follow due process (GSMP Change Request procedures).

5.7 Notes for Organizational Relationships/Hierarchies

Although basic data and a mechanism for conveying organizational relationships and hierarchies is contained within this document, the document makes no attempt to formalize common hierarchy components and organizational relationships. A recommendation regarding a common industry definition for Party hierarchy and organization relationships (similar to that adopted for Item, for example: consumer unit, inner pack, case, pallet) is excluded from this release of the Party model. This is under review. Findings and/or recommendations will be released in the next version of the Business Requirements Document. If modifications to the Party model are required, these will follow due process (GSMP Change Request procedures).

5.8 Global GLN Directory

In the context of a global supply chain enabled by global data synchronization standards, questions have been raised about the need to have a “global GLN” repository. At point of writing, this falls outside the scope of the current Party project. It will be prioritized and assessed in later phases of the Party Project.

Changes Summary

1. The word 'Core' was removed from the title and document content.

2. Reworded sections 1.0 Business Opportunity and 1.1 Problem Statement

3. Section 1.3 – Updated References and Added Change Requests 02-000082 and 02-000083

4. Updated the Acknowledgment Table to reflect the Party Team members as of October 09, 2002

5. Reworded section 2.1.1. Business Opportunity/Problem Statement

6. Reworded sections 2.1.5 and 2.1.6 – Process End and Post Conditions

7. Checked the Third Party role for Buyer and Seller under section 2.1.2 Actors

8. Added footnote under table in section 2.1.7 Process Activities

9. Section 3.1- Party Identification:
    i. Expanded definition for attribute Party Identification and listed as Mandatory
    ii. Expanded definition for attribute Global Location Number (GLN)
    iii. Deleted reference to the party related attributes currently in the Item model with exception of GLN of Information Provider
    iv. Added 3 qualifiers to Alternate Party Identification Type
        DEA (Drug Enforcement Agency)
        HIN (Canadian Healthcare Identification Number)
        UCC_Communication_Identification
        TDLink (Trade Dimensions)

10. Section 3.2 – Party Information
    a. Reworded definition of Party Information
    b. Reworded Party Dates definition
    c. Added Party Identification of Information Provider
    d. Added to Party Role List Distributor/Broker, Operator and Consumer
    e. Added text to Planning Management Profile
    f. Added tax amount to Party Financial Information
    g. Changed Party Financial Information to Party Tax Information
    h. Added 'tax percent' to Party Tax Information
    i. Added reference to Allowance Charges
    j. Added reference to Financial Institution Information (Banking Information)
    k. Added reference to Payment Terms

11. Section 3.3 – Party Containment

a. Reworded and added text to this section
b. Corrected attribute table and renamed the attributes: removed the word 'link' and replaced with 'containment.

12. Section 4.0 – Party Data Attribute List
    a. Corrected the containment attribute names to align with Section 3.3
    b. Added reference to Allowance Charges
    c. Added reference to Financial Institution Information
    d. Added reference to Payment Terms

13. Appendix C: Party Information

    a. Added Financial Institution information
    b. Added Distributor/Broker, Operator and Consumer to Party role list
    c. Allowed for 2 lines for street address
    d. Allowed for more than one role per Party Identification
    e. Added tax amount and tax percent to Party Tax Information
    f. Class Party Tax Information allows for multiplicity
    g. Added Party Pallet System Class
    h. Removed 'currency' from Party Tax Information and added 'currency' as optional to the Name and Address Class

14. Added Appendix with Class Diagram for Financial Institution Information

15. Added Section 5.0 – Implementation Considerations and Concerns

    a. Section 5.1 – Global Location Number – Added the Application Identifiers used with GLN
    b. Section 5.2 – Alternate Party Identification – Reworded text
    c. Section 5.3 – Party Roles – Added definitions for Distributor/Broker, Operator, and Consumer
    d. Section 5.4 – Party Containment – Reworded text
    e. Added Section 5.6 – Notes on Target Market
    f. Added Section 5.7 – Notes for Organizational Relationships/Hierarchies
    g. Added Section 5.8 – Global GLN Directory

Version 7.1 Changes:

1. Added "PAYEE" and "STORE" to PartyRoleList class.
2. Created the PartyDocument Class to separate the Business entity "Party" from the document that contains information on a "Party".
3. Moved the role relationship named partDocumentNumber to PartyDocument Class
4. Moved PartyIdentification class from the PartyInformation diagram to the Party diagram to add clarity.
5. Corrected the Containment modeling by:
    a. Deleted the following classes:
        i. PartyContainmentOrContainmentDetails
        ii. PartyContainmentDetail
    b. Added the PartyChild class

6. A description of the colour coding, optionality, and arrows used in class diagrams was added to Appendix A.
7. Amended the section on Containment.
8. Added an example of sending a hierarchy by using containment.

Version 7.2 Harmonization Summary:

Appendix D Party Information

- Removed association from FinancialInstitutionProfile class to NameAndAddress class to be compliant to ebMethodology and this association already exists in Appendix J Class Diagram Financial Institution Information.
- In PartyRoleList class, changed DISTRIBUTOR to DISTRIBUTOR_AND_OR_BROKER

Appendix E Party Containment

- Suppressed attributes section of PartyRoleList class to be compliant to ebMethodology.

Appendix H Document

- Role name of documentStatus was added to be compliant to ebMethodology.

Appendix K Amount

- Amount class has been harmonized. CurrencyISOCode's datatype is ISO4217

Appendix L Description

- Description class diagram was added to add clarity.

Version 7.3 Harmonization Summary:

Appendix D Party Information

The following classes has been moved to Party Common for reuse.

Name And Address

Contact

Communication Channel

Communication Channel List

Days Of The Week List class added to class diagram.

Appendix F Party Common

This class diagram was added to illustrate the definitions of those Party Common Classes.

Name And Address

Contact

Communication Channel

Communication Channel List

Appendix G Allowance Charge

The harmonized Allowance Charge model has been added.

Appendix H Payment Terms

The harmonized Payment Terms model has been added.

Appendix I Document

Data Type Version has been changed to Version=1.3.1

Appendix M: Description

- Data Type ISO639_Code represents language ISO Code.

Appendix N: Extended Data Type

Class Diagram added to illustrate the ISO Codes.

Appendix O: Date And Time

Class Diagram added to illustrate the Days Of The Week List class.

Style Sheet

Description

This HTML has been created using a Style Sheet that is a visual representation of the data. It is not an actual Style Sheet, but an example of what a Style Sheet may look like.

HTML Example

Message MSG-123

Creation Date	March 05, 2003 12:00:00	**Representing Party**	0012345000072
Msg From Party	0012345000072	**Msg To Party**	0012345000065

Transaction	**Creator ID = Store Mgr - Le Petit Store**	**Content Owner = 0012345000072**
Command ADD	**Creator ID = Store Mgr - Le Petit Store**	**Content Owner = 0012345000072**
Party Document	**Creator ID = Store Mgr - Le Petit Store**	**Content Owner = 0012345000072**

Document Information

Creation Date	March 05, 2003 09:30:47+01:00	**Last Update Date**	March 05, 2003
Content Version	1.3.1	**Doc Structure Version**	1.3.1
Status	COPY		

Party Identification

Party ID	0012345000072	**Information Provider of Party**	0056789000014

Party Dates

Start Date	January 15, 2003 00:00:00	**Effective Change Date**	January 01, 2003 08:00:00
End Date	December 31, 2008 23:59:59		

Party Roles

Party Roles	STORE

Contacts

Contact 1	(en-US) Accounts Payable	**Comm. Channels**	EMAIL: acct@lepetit.fr

Facility Specification

Appoinment Required?	yes	**Time Zone**	CET
Operating Day From	MONDAY	**Operating Day To**	FRIDAY
Operating Time From	08:00:00	**Operating Time To**	17:00:00

Name and Address

Name	Le Petite Clothing	**Address**	2, Rue Maurice Hartmann Issy –Les Moulineaux Cedex Paris, 92137 FR
Language	FR		
Currency	EUR		

Banking Information

Account Name	Le Petite Clothing	**Branch**	Main
Account Number	000234567	**Account Number Type**	10_BUSINESS_ACCOUNT
Routing Number	SABRRUMM100	**Routing Number Type**	02_SWIFT_IDENTIFICATION
Name	Citibank	**Address**	125, Avenue des Champs-Elysoes Paris, 75008 FR
Language	FR		
Currency	EUR		

Planning Management Profile

Rounding Rules	Round to next case quantity	**Safety Stock Rules**	Exclude unloaded deliveries
Transportation Strategy	Cost based		

Party Containment

Party Child Role	Party Child ID
SHIP_TO	0012345000027

GLOBAL DATA DICTIONARY

1.0 Party Class Data Descriptions v1.3.1

Class Name	Role Name	Enumeration Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC xsd
AllowanceCharge				This is a reusable class referenced in the Party BRD as part of the PartyInformation class. Allowances and charges are included to enable the Pay process. Visibility is provided to programs specific to the item, specific to the GLN or through a combination of item and GLN – all serving to alter product “price”. A full listing of attributes may be referenced in the Allowance Charge class structure. See EAN.UCC Business Message Standard for Allowance-Charge Extension, July 2001.		O	Terms.xsd
AlternatePartyIdentification				Only one primary party identifier is used for each party. If an alternate identifier, other than GLN is used, there is no guarantee of data integrity across the process. It is the responsibility of the company electing the choice to ensure data integrity.		M	Identification.xsd
	type			Type originates from AlternatePartyIdentification Class and applies the enumeration values of AlternatePartyIdentificationList	1/35	O	
AlternatePartyIdentificationList				The enumeration values for AlternatePartyIdentification		M	Identification.xsd
		BUYER_ASSIGNED_INDENTFIER_FOR_A_PARTY		The buyer assigned ID for a party. This optional code will be used for cross-reference on a one to one relationship.		O	

		DEA_DRUG_ENFORCEMENT_AGENCY		This optional code will be used for cross-reference on a one to one relationship.		O	
		DUNS		A nine-digit number assigned by Dun & Bradstreet. This optional code will be used for cross-reference on a one to one relationship.		O	
		DUNS_PLUS_FOUR		A thirteen-digit number consisting of 9-digit DUNS and 4 digit user-assigned number. This optional code will be used for cross-reference on a one to one relationship.		O	
		HIN_CANADIAN_HEATLTHCARE_IDENTIFICATION_NUMBER		This optional code will be used for cross-reference on a one to one relationship.		O	
		SCAC		Standard Carrier Alpha Code. This optional code will be used for cross-reference on a one to one relationship.		O	
		SELLER_ASSIGNED_IDENTIFIER_FOR_A_PARTY		The seller assigned ID of a party. This optional code will be used for cross-reference on a one to one relationship.		O	
		TD_LINK_TRADE_DIMENSIONS		This optional code will be used for cross-reference on a one to one relationship.		O	
		UCC_COMMUNICATION_IDENTIFICATION		This optional code will be used for cross-reference on a one to one relationship.		O	
		UN_LOCATION_CODE		The United Nations Location code (UN/ECE Recommendation 20). This optional code will be used for cross-reference on a one to one relationship.		O	
Amount				This class originates from the MonetaryAmount class		M	Components.xsd

			currencyISOCode	ISO 4217 three digit alpha code. Identification of the name or symbol of the monetary unit involved in the transaction.	3/3	M	
Character				Extended Data Type			Extended Types.xsd
Contact				This class originates from PartyInformation Class.The attributes within this class detail the contact name or department name within the party. To simplify the overall trade process, each party has the option to identify one or more points of contact.		O	Components.xsd
			personOrDepartmentName	The name of the department or person to contact when needed. Applies 'TextDescription' data type.	1/70	M	
CommunicationChannel				Each contact can have zero or more communication channels. The channel types are expressed as a telephone number, an email address, a telefax number, or web address.		O	Components.xsd
			communicationNumber	The communication number associated with the channel type. String data type.	1/70	M	
	communicationChannelCode			This role originates from the CommunicationChannel Class and it applies the values from the CommunicationChannelCodeList.		M	
CommunicationChannelCodeList				This class originates from the CommunicationChannel Class and it contains the enumeration values of the CommunicationChannelCodeList.		M	Components.xsd
		EMAIL		Enumeration value that denotes an electronic mail address.		O	
		TELEFAX		Enumeration value that denotes a facsimile number.		O	
		TELEFHONE		Enumeration value that denotes a telephone number.		O	

		WEBSITE		Enumeration value that denotes an uniform resource locator address.		O	
CountryISOCode				Extended Data Type			Extended Types.xsd
CountrySubDivision Code				Extended Data Type			Extended Types.xsd
CurrencyISOCode				Extended Data Type			Extended Types.xsd
DaysOfTheWeekList				This enumeration list originates from the FacilitySpecification Class.			Components.xsd
		FRIDAY		Enumeration value for the attributes 'operatingDayFrom' and 'operatingDayTo'		O	
		MONDAY		Enumeration value for the attributes 'operatingDayFrom' and 'operatingDayTo'		O	
		SATURDAY		Enumeration value for the attributes 'operatingDayFrom' and 'operatingDayTo'		O	
		SUNDAY		Enumeration value for the attributes 'operatingDayFrom' and 'operatingDayTo'		O	
		THURSDAY		Enumeration value for the attributes 'operatingDayFrom' and 'operatingDayTo'		O	
		TUESDAY		Enumeration value for the attributes 'operatingDayFrom' and 'operatingDayTo'		O	
		WEDNESDAY		Enumeration value for the attributes 'operatingDayFrom' and 'operatingDayTo'		O	
Description				The Description Class contains two attributes, one is language and the other is text.		M	Components.xsd

			language	The language for text is identified using a two-character code from the ISO 639-1988 list.	2/6	M	
			text	TBD	1/70	M	
Document				This Class identifies the document that is being sent.		M	Components.xsd
	documentStatus			This is a role within the Document Class and it is used to indicate if the document is an orginal or copy.		M	
			contentVersion	This is a version number for the content of the document. For example, Party and its attributes can be revised over time.	1.3.1	O	
			creationDate	This is the date the message was created. The format is ISO 8601: CCYY-MM-DDTHH:MM:SS.	15	M	
			documentStructureVersion	This is a version number for the structure of the document	1.3.1	O	
			lastUpdateDate	This is the last update date for the specific document. The format is ISO 8601: CCYY-MM-DD.	8	O	
DocumentStatusList				This class is an enumeration list for the document status role within the Document Class.		M	Components.xsd
		COPY		Indicates copy of the original document.			
		ORIGINAL		Indicates original version of the document.			
EntityIdentification				This class if part of the Common Lybrary, Entity Identification. Is is a unique number or identifier assigned by the issuer.		M	Identification.xsd
	contentOwner			This is a role from the EntityIdentification class. Its destination class is PartyIdentification		M	
			uniqueCreatorIdentification	Unique Creator Identification	1/80	M	

FacilitySpecification				This class originates from PartyInformation Class. The elements within this class are the party's operating days and times. To simplify the deliver process, details about each trading partner's facility can be specified and aligned among the trading partners. This information may include the operating days (Monday through Sunday), the operating time from and to, the time zone of the location.		O	PartyComponents.xsd
			isAppointmentRequired	Boolean field indicating if an appointment is required (Y/N)	1/1	O	
			operatingDayFrom	This is the first operating day of the week of the party. Applies the enumeration values of the DaysOfTheWeekList	1/70	O	
			operatingDayTo	This is the last operating day of the week for the party. Applies the enumeration values of the DaysOfTheWeekList	1/70	O	
			operatingTimeFrom	This is the beginning operating time of day for the party	8	O	
			operatingTimeTo	This is the ending operating time of day for the party	8	O	
			timeZoneOfTheLocation	String field to specify the location's time zone	1/3	O	
FinancialInstitutionInformation				This is a reusable class from Pay Common. Each party has the option to identify financial information that is prerequisite to the pay process. A full listing of attributes may be referenced in the Financial Information class structure.		O	Components.xsd
GlobalLocationNumber				This class is one of the two classes within the Party Identification Class.		M	Identification.xsd
ISO3166_1Code				Extended Data Type			ExtendedTypes.xs

							d
ISO3166_2Code				Extended Data Type			Extended Types.xsd
Language				Extended Data Type			Extended Types.xsd
			language	The language for text is identified using a two-character code from the ISO 639-1988 list.	2/6	M	
MonetaryAmount				This class is part of the Common Library Components			Components.xsd
NameAndAddress				Each party will identify their party name and address. The attributes within this class will include city, name, country code ISO 3166, and the language of the party ISO 639-1988. Optional address information may include: street address, P.O. Box number, state, province code, and postal code.		M	PartyComponents.xsd
			city	A city or municipality. Mandatory string element within the NameAndAddress Class	1/35	M	
			countryISOCode	The ISO 3166 list is applied. Mandatory element within the NameAndAddress Class. Applies CountryISOCode data type.	2/2	M	
			languageOfTheParty	Mandatory element within the NameAndAddress Class. Applies Language data type.	2/6	M	
			name	The textual name of the party. Mandatory string element within the NameAndAddress Class	1/80	M	
			currency	Optional element within the NameAndAddressClass. Applies CurrencyISOCode data type.	3/3	O	

			pOBoxNumber	Optional element within the NameAndAddressClass. String data type.	1/80	O	
			postalCode	The national postal code of the party as defined by the appropriate postal authority. Optional element within the NameAndAddressClass. String data type.	1/80	O	
			provinceCode	Optional element within the NameAndAddressClass. String data type.	1/80	O	
			state	A state or regional entity within a country as assigned by the appropriate governmet agency. Optional element within the NameAndAddressClass. String data type.	1/80	O	
			streetAddressOne	Optional element within the NameAndAddressClass. String data type.	1/80	O	
			streetAddressTwo	Optional element within the NameAndAddressClass. String data type.	1/80	O	
PartyDocument				This is the root class of the Party message and identifies the document that is being sent. It is used to make the distinction between Party information as sent in a document and Party as a business entity. This document has a unique identifier (Party Document Number) and includes in it, all information pertaining to the business entity “Party “.		M	Partycomponents.xsd
	partyDocumentNumber			This is a role from the PartyDocument Class and it is a unique identifier.		M	
Party				This class originates from PartyDocument Class		M	Partycomponents.xsd
	informationProviderOfParty			The purpose of this field is to identify the originator of the data.		O	

PartyChild				This class originates from the PartyContainment Class. This class identifies the Party that is immediately below the current Party. The current Party is the parent of this “child” party. Mandatory if the optional PartyContainment is used.		O	Partycomponents.xsd
	partyChildRole			This role originates from the PartyChild Class and applies the values from the PartyRoleList.		O	
Party Containment				Party containment provides functionality to identify other GLNs associated with the primary party identification and/or at the next lower level. Only one primary party identifier is used for each party. If an alternate identifier, other than GLN is used, there is no guarantee of data integrity across the process. It is the responsibility of the company electing the choice to ensure data integrity. It is recommended that only GLNs be used in party containment.		O	Partycomponents.xsd
PartyDates				This class originates from PartyInformation Class.The elements within this class are effective change date, start and end dates used to indicate the availability of party information. Start Date is mandatory. All other are Optional.		M	Partycomponents.xsd
			partyStartDate	Used to indicate availability of party information. The date when the party becomes available to the trade. The format used is CCYY-MM-DDTHH: MM:SS. Zeros may be used for the hours and minutes in the event that the time is not known.	15	M	

			effectiveChangeDate	Used to indicate availability of party information. The date on which the change will be effected by the information provider to any element (s) of the party data. Used to indicate availability of party information. Uses the format CCYY-MM-DDTHH: MM:SS.	15	O	
			partyEndDate	The date when the party ends its availability to the trade. The format used is CCYY-MM-DDTHH: MM:SS. Zeros may be used for the hours and minutes in the event that the time is not known.	15	O	
PartyIdentification				Unique location number identifying the Party for which the rest of the message is defined. There is a choice of selecting either a GLN (Recommended) or Alternate Party Identification to identify a party. Only one primary party identifier is used for each party. GLN may not be used as additional alternate.		M	Identification.xsd
	gLN			The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the recommended primary party identifier. Each party identified in the trading relationship must have a primary party Identification. Recommend use of GLN. However, the model allows for the use of alternate party identification for transition.	13	O	
	additionalPartyIdentification			One may select one GLN as your primary party identification with additional party identification (i.e. GLN cross referenced to DUNS)		O	

PartyInformation				This class contains all party related information and originates from the Party Class		M	Partycomponents.xsd
	bankingformation			This role originates from the PartyInformation Class. Each party will identify the banking information required to conduct trade. This is a prerequisite to the pay process		O	
	partyRole			This role originates from the PartyInformationClass and defines the roles and relationships of the party. Primary Party Role is mandatory. Applies the enumeration values from the PartyRoleList.		M	
PartyRoleList				This class originates from the PartyInformationClass. It contains the enumeration values for partyRole.		M	Partycomponents.xsd
		BILL_TO		Party which receives goods and invoice.		O	
		BUYER		Party to which merchandise is sold.		O	
		CONSUMER		The end user of a trade item or a service.		O	
		CORPORATE_IDENTITY		Identity of the party to whom all other parties of the same commercial organization are linked.		O	
		DELIVERY_PARTY		Party to which goods are delivered.		O	
		DISTRIBUTOR_AND_OR_BROKER		A person or persons who receive goods or equipment from a manufacturer, which are then resold/redistributed elsewhere.		O	
		INFORMATION_PROVIDER		The Party providing the information contained in the document.		O	
		INVOICEE		Party to whom an invoice is issued.		O	
		ISSUER_OF_INVOICE		Party which issues an invoice.		O	
		LOGISTICS_SERVICE_PROVIDER		Party, which provides Logistic Services for another party.		O	

		MANUFACTURING_PLANT		Industrial department of a company in which goods are manufactured with appropriate equipment and fittings.		O	
		MARK_FOR		Indicates the ultimate party or destination such as when cross docking you would mark for the store number to be distributed and delivered.		O	
		MESSAGE_FROM		Party where the message comes from.		O	
		MESSAGE_RECIPIENT		Party receiving the message.		O	
		OPERATOR		A person or persons who own or operate a business establishment, which services consumers directly. For example a restaurant owner as part of a chain or an independent operation.		O	
		PARTY_TO_RECEIVE_COMMERCIAL_INVOICE		Party to whom payment for a commercial invoice or bill should be remitted.		O	
		PAYEE		Party, which receives payment.		O	
		PAYER		Party, which initiates payment.		O	
		SELLER		Party, which sells products or services to a buyer.		O	
		SHIP_FROM		Party from where goods will be or have been shipped.		O	
		SHIP_TO		Party, which receives goods and invoices.		O	
		STORE		A physical entity that sells trade items to a consumer.		O	
		SUPPLIER		Party, which provides service(s) and/or manufactures or otherwise has possession of goods and consigns or makes them available in trade.		O	
		WAREHOUSE_AND_OR_DEPOT		Industrial department of a company equipped with appropriate equipment and fittings in which goods are stored in appropriate conditions.		O	

PartyTaxInformation				This class originates from PartyInformation Class. The elements within this class are selected tax details provided by each Party. Multiple tax types may be associated with one GLN (Example: Federal, state and city taxes applicable to a specific GLN).		O	PartyComponents.xsd
			taxAmount	Reference the Data Synchronization Data Model for Trade Item (Data Definition) v.1.3 for TaxAgency Class and elements information.	18	M	
			taxAuthority	The tax authority or jurisdiction identification. Reference the Data Synchronization Data Model for Trade Item (Data Definition) v.1.3 for TaxAgency Class and elements information.	1/80	M	
			taxPercent	Reference the Data Synchronization Data Model for Trade Item (Data Definition) v.1.3 for TaxAgency Class and elements information (see taxRate).	3.2	M	
			taxRegistrationNumber	The unique number assigned by the relevant tax authority to identify a party. Reference the Data Synchronization Data Model for Trade Item (Data Definition) v.1.3 for TaxAgency Class and elements information.	1/35	M	
			typeOfTaxRegistration	The tax type. Reference the Data Synchronization Data Model for Trade Item (Data Definition) v.1.3 for TaxAgency Class and elements information.	1/3	M	

PaymentTerms				This is a reusable class referenced in the Party BRD as part of the PartyInformation class. These are financial details associated with the Party such as Terms of Payment. Each Party has the option of identifying this financial information as a prerequisite to the pay process. The agreed upon standard terms of payment requirements are captured within the Payment Terms class structure. See EAN.UCC Business Message Standard for Allowance-Charge Extension, July 2001.		O	Terms.xsd
PlanningManagementProfile				This class originates from PartyInformationClass. Although the elements are established at the Trading Partner level, Item rules, which may be used as an over-ride are yet to be established.		O	PartyComponents.xsd
			roundingRulesDescription	This attribute is an identifier of the policy that the replenishment algorithm should use to round off shipments (Example: e.g. round up to the next pallet quantity).	1/80	O	
			safetyStockRulesDescription	An identifier of the policy that the replenishment algorithm should use in evaluating safety stock (Example: include or exclude deliveries that have not been unloaded).	1/80	O	
			transportationStrategyDescription	An identifier of the policy that the replenishment algorithm should use to drive transportation selection (costs, time, preferred carrier).	1/80	O	
TextDescription				This class is part of the Common Library Components			Components.xsd
TimeZone				Extended Data Type	1/3		ExtendedTypes.xsd

Version				Extended Data Type	1/35		Extended Types.xsd

Instance File

Description

The Instance File is an example of what the schema may look like when it includes live data. This can be used as comparison to a completed schema and can serve as a point of reference for development.

Instance File Example

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="../4_XSL/Main.xsl"?>
<!-- This is a sample file-->
<eanucc:envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:eanucc="http://www.ean-ucc.org/schemas/1.3.1/eanucc" xsi:schemaLocation="http://www.ean-
ucc.org/schemas/1.3.1/eanucc ../2_XSD_PROXY/PartyProxy.xsd" communicationVersion="1.3.1">
  <messageHeader creationDate="2003-03-05T12:00:00">
      <userId>Store Mgr - Le Petit</userId>
      <password>SECRET</password>
      <messageIdentifier>MSG-123</messageIdentifier>
      <to>
          <gln>0012345000065</gln>
      </to>
      <from>
          <gln>0012345000072</gln>
      </from>
      <representingParty>
          <gln>0012345000072</gln>
      </representingParty>
  </messageHeader>
  <body>
      <eanucc:transaction>
          <entityIdentification>
              <uniqueCreatorIdentification>Store Mgr - Le Petit Store</uniqueCreatorIdentification>
              <contentOwner>
                  <gln>0012345000072</gln>
              </contentOwner>
          </entityIdentification>
          <command>
              <eanucc:documentCommand>
                  <documentCommandHeader type="ADD">
                      <entityIdentification>
                          <uniqueCreatorIdentification>Store Mgr - Le Petit
Store</uniqueCreatorIdentification>
                          <contentOwner>
                              <gln>0012345000072</gln>
                          </contentOwner>
                      </entityIdentification>
                  </documentCommandHeader>
                  <documentCommandOperand>
                      <eanucc:partyDocument contentVersion="1.3.1"
documentStructureVersion="1.3.1" lastUpdateDate="2003-03-05" creationDate="2003-03-
05T09:30:47+01:00" documentStatus="COPY">
```

```
                    <partyDocumentNumber>
                        <uniqueCreatorIdentification>Store Mgr - Le Petit
Store</uniqueCreatorIdentification>
                        <contentOwner>
                            <gln>0012345000072</gln>
                        </contentOwner>
                    </partyDocumentNumber>
                    <party>
                        <partyIdentification>
                            <gln>0012345000072</gln>
                        </partyIdentification>
                        <informationProviderOfParty>
                            <gln>0056789000014</gln>
                        </informationProviderOfParty>
                        <partyInformation>
                            <partyDates>
                                <effectiveChangeDate>2003-01-
01T08:00:00</effectiveChangeDate>
                                <partyEndDate>2008-12-31T23:59:59</partyEndDate>
                                <partyStartDate>2003-01-15T00:00:00</partyStartDate>
                            </partyDates>
                            <partyRole>STORE</partyRole>
                            <contact>
                                <communicationChannel communicationChannelCode="EMAIL"
communicationNumber="acct@lepetit.fr"/>
                                <personOrDepartmentName>
                                    <description language="en-US">
                                        <text>Accounts Payable</text>
                                    </description>
                                </personOrDepartmentName>
                            </contact>
                            <facilitySpecification>
                                <isAppointmentRequired>true</isAppointmentRequired>
                                <operatingDayFrom>MONDAY</operatingDayFrom>
                                <operatingDayTo>FRIDAY</operatingDayTo>
                                <operatingTimeFrom>08:00:00</operatingTimeFrom>
                                <operatingTimeTo>17:00:00</operatingTimeTo>
                                <timeZoneOfTheLocation>CET</timeZoneOfTheLocation>
                            </facilitySpecification>
                            <nameAndAddress>
                                <city>Paris</city>
                                <countryISOCode>FR</countryISOCode>
                                <languageOfTheParty>FR</languageOfTheParty>
                                <name>Le Petite Clothing</name>
                                <currency>EUR</currency>
                                <postalCode>92137</postalCode>
                                <streetAddressOne>2, Rue Maurice
Hartmann</streetAddressOne>
                                <streetAddressTwo>Issy –Les Moulineaux
Cedex</streetAddressTwo>
                            </nameAndAddress>
                            <bankingInformation>
                                <accountName>Le Petite Clothing</accountName>
                                <accountNumber>
                                    <number>000234567</number>

  <accountNumberType>10_BUSINESS_ACCOUNT</accountNumberType>
                                </accountNumber>
                                <routingNumber>
                                    <number>SABRRUMM100</number>

  <routingNumberType>02_SWIFT_IDENTIFICATION</routingNumberType>
                                </routingNumber>
                                <financialInsitutionNameAndAddress>
                                    <city>Paris</city>
                                    <countryISOCode>FR</countryISOCode>
```

```
                                        <languageOfTheParty>FR</languageOfTheParty>
                                        <name>Citibank</name>
                                        <currency>EUR</currency>
                                        <postalCode>75008</postalCode>
                                        <streetAddressOne>125, Avenue des Champs-
Elysoes</streetAddressOne>
                                    </financialInsitutionNameAndAddress>
                                    <branch>Main</branch>
                                </bankingInformation>
                                <planningManagementProfile>
                                    <roundingRulesDescription>Round to next case
quantity</roundingRulesDescription>
                                    <safetyStockRulesDescription>Exclude unloaded
deliveries</safetyStockRulesDescription>
                                    <transportationStrategyDescription>Cost
based</transportationStrategyDescription>
                                </planningManagementProfile>
                            </partyInformation>
                            <partyContainment>
                                <partyChild>
                                    <partyChildRole>SHIP_TO</partyChildRole>
                                    <partyIdentification>
                                        <gln>0012345000027</gln>
                                    </partyIdentification>
                                </partyChild>
                            </partyContainment>
                        </party>
                    </eanucc:partyDocument>
                </documentCommandOperand>
            </eanucc:documentCommand>
        </command>
    </eanucc:transaction>
  </body>
</eanucc:envelope>
```