

EAN.UCC XML
Business Message
Standard For

Party Synchronisation
Process Definition
for
Global Data Synchronisation
Network

Version 1.3.1

November 2003



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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 Synchronisation for Global Data Synchronisation Network	
Business Requirement Group:	Align	
Business Requirement Document:	Party Synchronisation for Global Data Synchronisation Network	
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 Document

Party Synchronisation Process Definition for Global Data Synchronisation Network

Version 1.0

October 28, 2003



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Forward

The purpose of the Business Requirements Document is to document a process – to – data approach to standards development and maintenance using the Unified Modeling Language (UML) notation.

Introduction

1.1 Business Need

Over the past eighteen months there have been several industry standards groups and user groups developing requirements and processes for data synchronisation. These groups have requested a single standard be developed for Item and Party synchronisation.

The business landscape has undergone a rapid and complicated transformation. Globalization, converging supply chains, and the rapid pace of technology have added new costs and complexity to the way business is conducted in every industry. These issues have added significant expense to the cost of doing business.

This makes standards, which bring order and efficiency to business processes more important and challenging than ever before. The success and growth of the EAN•UCC System has been based, in part, on its strong legacy in Trade Item and Party identification, linking together the physical flow of a Trade Item with the corresponding flow of electronic information. In order to maintain the value of this system, EAN•UCC has embraced Simple_eb (Simple e-Business), a business practice that streamlines and simplifies the flow of business trade information enabling more efficient and effective supply chains. As its name implies, Simple_eb is focused on simplifying the underlying communication of information that is applicable across multiple business processes.

One of the premises of Simple_eb is that EC constructs (data and data structures) that are common across multiple business processes must be aligned. Some of the Core Data must be synchronised so it need not be sent in each transaction and it has the same value in the trading partners systems; such data has been referred to as Master Data.

To put this in the context of the EAN•UCC system, the EAN•UCC Business Message Standards (XML), UCS EDI Standards, VICS EDI Standards, and EANCOM are electronic data carriers within the Simple_eb framework. Simple_eb is dependent on the alignment of core data and the Synchronisation of master data that is used in multiple business transactions. The most prevalent master data is Item and Party, which can be identified with EAN•UCC “Keys”, specifically the Global Trade Identification Number (GTIN) and Global Location Number (GLN).

The EAN•UCC system provides the standards to align data between trading partners; these are the foundation standards. The EAN•UCC system also defines a process by which trading partners can exchange this aligned data between them and synchronise master data across an entire community; these are the foundation processes.

This foundation allows for the simplification (Simple-eb) of the basic trade processes of Plan, Order, Delivery, and Pay, which in turn form the basis for more complex processes such as CPFR, Micro-Merchandising, Scan-Based Trading (SBT), and any other future initiative.

1.2 Problem Statement

Substantial effort has been made to develop a Global Data Synchronisation process because master data sharing between partners is both complex and fundamental to all supply chain processes. Integrity and timeliness of master data is critical to the flow of goods, services and information throughout the chain. Sharing data effectively and efficiently relies on access to common data definitions, data accuracy and agreement on the processes used to exchange data. This process is termed Master Data Synchronisation.

The salient points for synchronisation are:

1. synchronisation is a process
2. it is auditable
3. the process must utilize EAN•UCC industry standards
4. the data exchanged must be compliant with these standards
5. the recipient must acknowledge the integration of the data
6. continuous updates must be applied

Party information is a part of Master Data. Trading Partner's involved with the Global Data Synchronisation Network (GDSN) require data regarding party (GLN) information to determine the unique identification, the role definition, the business process capability and the message capability required to function in the network defined to achieve Master Data Synchronisation.

The process requirements for synchronisation of Party information within the Global Data Synchronisation Network should include:

- Manage a Data Pool Profile
- Load and Update Party Data within a Data Pool
- Load and Update Party Data within the Global Registry
- Manage Party Data in the Global Registry
- Manage Party Distribution Criteria
- Distribute Data Recipient Requests
- Distribute Party Data

The data requirements for synchronisation of Party information within the Global Data Synchronisation Network should include:

- The attributes defined in the most current version of the Party data model defined through EAN.UCC's GSMP
- GLN as mandatory choice for Party Identification
- At least one role of Party as mandatory, allowing additional roles
- At least one Business Process identification and one Message Identification used to define the capability of the party

- Subscription criteria available by:
 - GLN
 - Role
 - Process Capability
 - Trade Item Classification

1.3 Audience

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

1.4 References

- EAN•UCC Business Message Standard for Trade Item
- EAN•UCC Business Message Standard for Party
- EAN•UCC Business Message Standard for Catalogue Item Synchronisation
- The Unified Modeling Language User Guide, Booch, Rumbaugh and Jacobson, Addison-Wesley Longman, Inc. Copyright 1999. ISBN 0-201-57168-4
- EAN•UCC Global General Specifications

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Bigler, Lori	JM Smucker
Boncore, Marianne	Pepsi
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Fassberg, Rob	QRS
Funk, Jim	SC Johnson
Geyer, Terrie	Sears
Goldman, Brad	WWRE
Goodrich, Maryann	Unilever
Hansen, Vic	Unilever
Harris, Mike	Vialink
Hawkins, Bruce	Walmart
Kao, Judy	SAP
Kille, Grant	WWRE
Licul, Ed	Transora
Lockhead, Sean	UCCnet
Mathar, Markus	Sinfos
Merulla, Mike	Wegmans
Miller, Jodi	LandOLakes
Moody, Doug	Frito Lay
Morgan, Gena	ISS
Munro, Barb	Kraft
Nemirovsky, Mike	Campbell Soup
Pickett, Becky	Ahold
Saputra, Budi	P&G

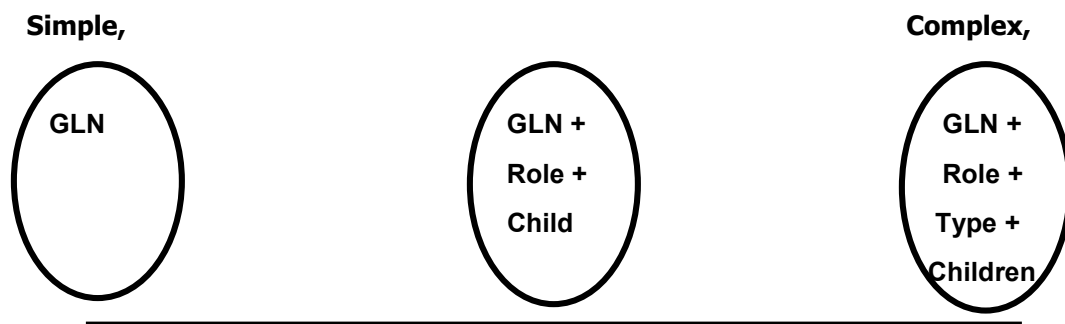
Schneck, Joy	General Mills
Sheehan, Jim	Shaw's
Spooner, Karen	Kraft Foods
Walton, Mike	UDEX
Zwanziger, Greg	SuperValu
CONTRIBUTORS	
Bonito, Maureen	ISI, Mars Inc.
Buckley, Greg	Pepsi
Denning, John	UDEX
Grove, Jeff	LandOLakes
Marr, Kevin	IBM
Panaccio, Bob	P&G
Sadiwnyk, Mike	ECCC
White, Don	Commerce One
Zelinski, Felix	Coke
EAN•UCC Staff Support	
Celeste, Bob	Uniform Code Council
Eggert, Jack	Uniform Code Council
Kramer, Regenald	EAN Brussels
Schneider, Maria	Uniform Code Council
Southall, Michele	Uniform Code Council

The GSMP Global Data Synchronisation team would also like to acknowledge all those individuals who participated in both GCI-GDS and UCCnet teams whose hard work and documentation were invaluable to this team.

2.0 Business Process View

2.1 Background

Unlike the Catalogue Item Data Synchronisation definition phase of the Global Data Synchronisation Network, with the experience of UCCnet users and the GCI Data Synchronisation documents, the path to Party Data Synchronisation was uncharted. There were many discussions ranging from the most simple to the most complex methods of synchronising Party information:

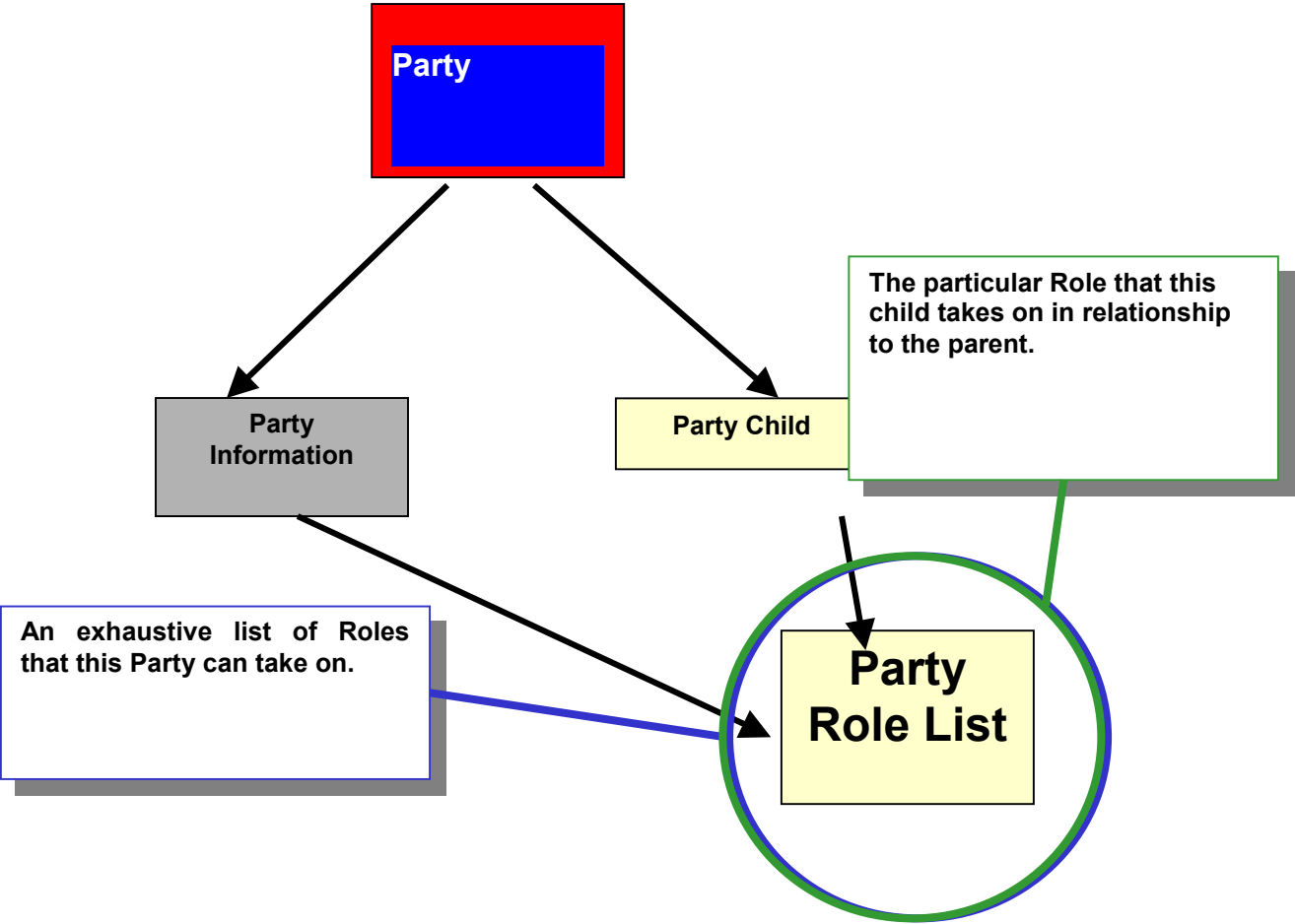


- ❑ The easiest method was simply synchronising the GLN information (name, address, etc.) as shown above on the left.
- ❑ The most complex method was to build and maintain GLN defined organizational hierarchies keyed with GLN and assigning:
 - A role
 - A hierarchical/organizational/relationship type
 - A containment or linking capability

When discussing the functionality and relationship of roles and hierarchies for a GLN, it became clear that even with a definition of a role, e.g. Store - a physical entity that sells trade items to a consumer, it was complicated to determine a specific organization hierarchical level to identify a business process for the role. Party Roles relate to a general concept, but do not clarify the identification of the business process. For example: when Role = Store, then we must ask:

- can this store receive goods?
- can it receive DSD goods?
- can it pay for those goods?
- can it order goods?

See the figure on the next page.

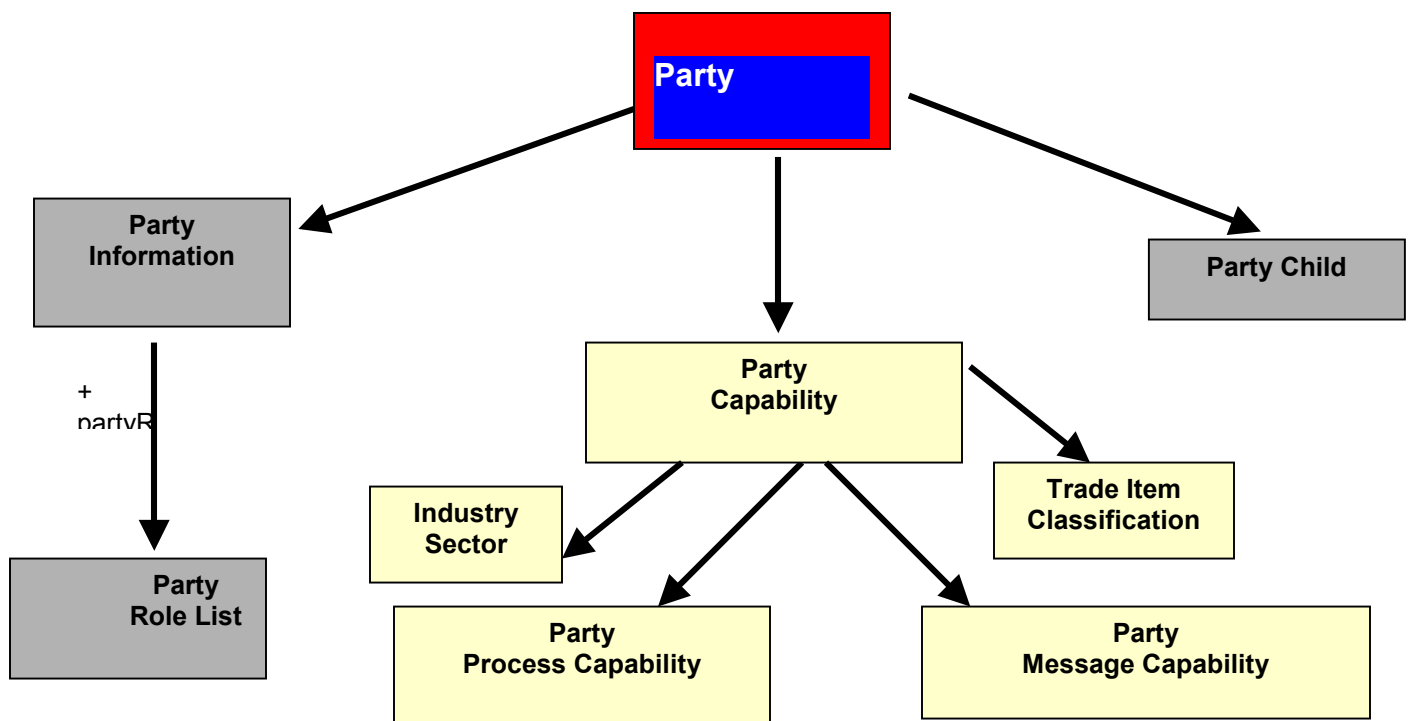


2.2 Party Synchronisation Resolution

Initially, the focus within this Party Data Synchronisation (BRD) business requirements document is on the process of Item Data Synchronisation. To accomplish the synchronisation of item data, party data synchronisation can be accomplished with two additional classes of data (Process Capability and Message Capability) included in the synchronisation messages required within the Global Data Synchronisation Network.

The team discussed a framework to support future maturity beyond the process of Item Data Synchronisation to accommodate the different business processes such as Pricing, Ordering, Delivery, and etcetera. These maturities are **not** included in this first publication of party data synchronisation. However, the team has defined a framework for future enhancements to this party synchronisation process.

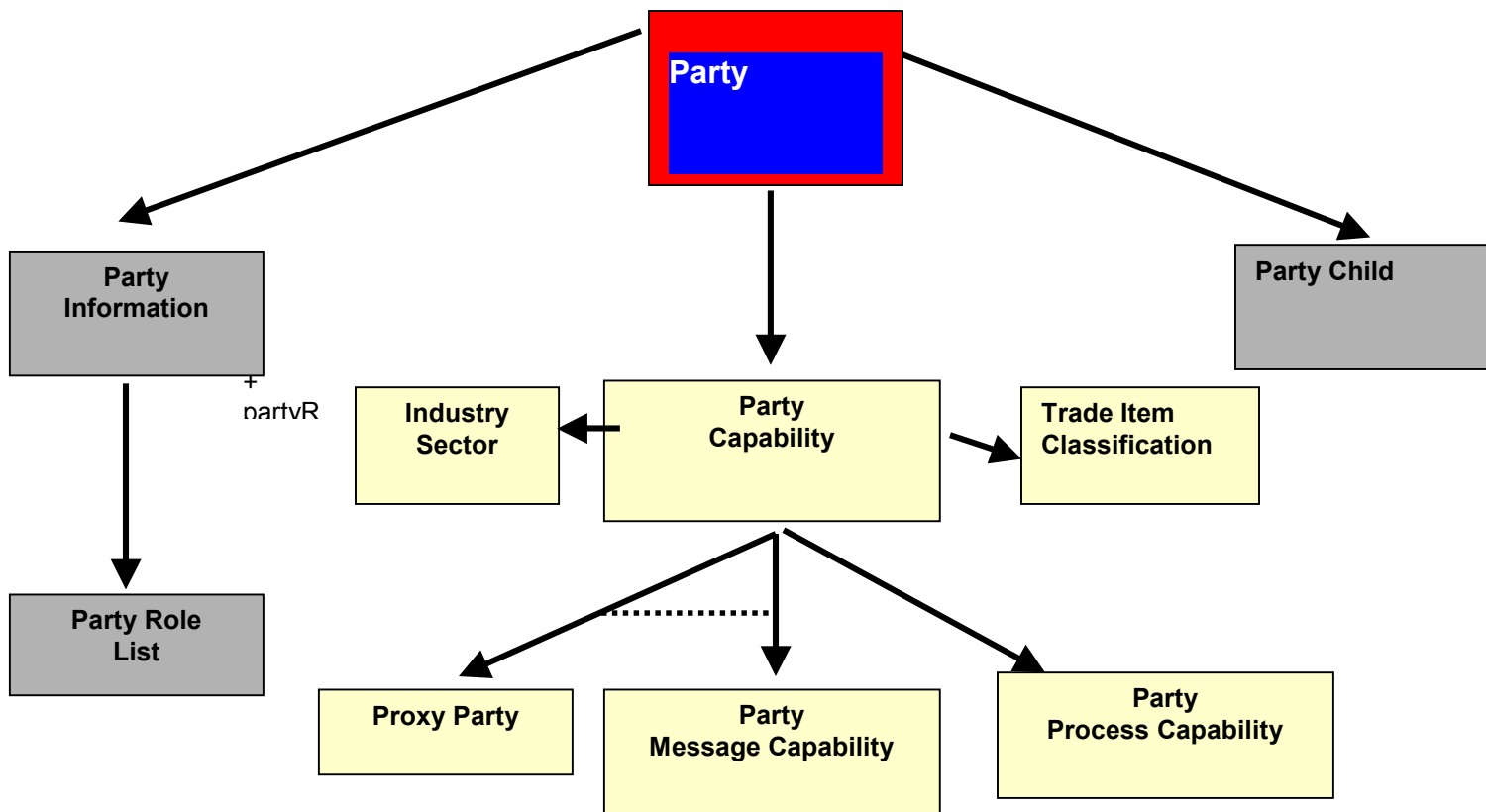
The initial Party Data Synchronisation solution is to synchronise party (GLN) information for the process of item and party synchronisation, and build a framework to allow for future maturity levels.



Most importantly, the solution will NOT require modifications to the Party BRD, Version 7.1, but can be accomplished with 2 classes of data (Process Capability and Message Capability) included with the synchronisation messages required within the Global Data Synchronisation Network.

The solution is scalable for future process requirements, eliminates the need for strict, globally defined organization hierarchical levels, and meets the ebXML context category methodology.

The enhanced maturity levels for future consideration are pictured below:



2.3 Guiding Principles for Party Synchronisation Requirements

The EAN•UCC Data Synchronisation project team recommends the following guiding principles for the Party Synchronisation Requirements:

1. All change requests that impact the existing EAN•UCC standards and Industry sector guidelines endorsed by EAN•UCC must go through the EAN•UCC GSMP.
2. The criteria for Party Synchronisation (attributes that are determined to be synchronised within the process) will be defined and consistent for all participants in the GDSN
3. The Party Synchronisation Requirements will include criteria maintained at the Global Registry. The requirements assume that the data required by the Global Registry for this process is provided by the datapools and the Trading Partners in its entirety and is standards compliant .
4. The Party Synchronisation definition adheres to the guiding principles documented in the BRD of the Catalogue Item Synchronisation.
5. The Global Registry shall encompass the physical infrastructure to facilitate the Party Synchronisation functionality.
6. The Party Synchronisation functionality will be made available to any member or potential member of the Global Data Synchronisation Network, facilitated through the datapools; or any entity connected with the process in any way. This is to allow Data Sources, Data Recipients and others the ability to synchronise party information within the GDSN.
7. Party Synchronisation Requirements will be managed through the EAN•UCC GSMP process. This will be the mechanism for all change management associated with Party Synchronisation.
8. Party Synchronisation may produce new attributes to be included in the EAN•UCC Data Model. If this is to be the case, a Change Request must be submitted to formally address these Requirements.
9. Hierarchical content and Process Capabilities will be addressed in these Party Synchronisation Requirements.
10. Each Acknowledgment is returned as part of the party synchronisation process. If errors exist, every error must have a unique error code. Each error code will be accompanied by a text field (initially error text will be in Oxford English). Datapools may translate as a value add.
11. The choreography for Datapool to Datapool interaction must be defined. The process flow includes the Registration of the Party information. The process flow also includes the ability for Datapools to interoperate in the GDSN.
12. The concept of requesting information from a Data Source is essential for party synchronisation functionality to fit into the overall GDSN functionality.

2.4 Business Requirements

Business Req #	Description	Use Case
Req-193	Party data must be communicated prior to communicating transactions (Orders, Payments, etc.).	Simple_eb
Req-194	Data source must be able to control who receives Party data.	65, 73
Req-195	A Data Recipient must know the GLN prior to requesting more information and beginning the exchange of information.	67
Req-196	A retail store may have multiple parent GLN's (e.g. Warehouse Product DC, Perishable DC, Buyer/Category Manager, etc.).	Party Version 7.1
Req-197	Cross-dock Facilities must be identified within the Party data.	Party Version 7.1
Req-198	Must be able to move a store [to another region] and have that movement be communicated to the appropriate recipient.	75, 76
Req-199	Must be able to determine the owner of a GLN.	56, 60
Req-200	Must be able to know what the previous GLN was when a GLN changes ownership. For example: a store is sold to a different company.	57, 61
Req-201	Must know that the message source (Data Pool) is the system of record within the GDSN.	60, 65, 67
Req-202	Data recipient must be able to define what Party data they receive (with a filter).	67
Req-203	In regards to the Global Data Sync Network, the Source Data Pool is the system of record for Party Data (as provided by the Data Source).	60, 65, 67
Req-204	When opening a store, a Retailer must be able to make that data available to different suppliers at different times (at least, with the use of an available date).	65
Req-205	Must be able to release GLN or GTIN data by relationship.	65, 67, 73
Req-206	Must be able to identify the Party Role Type for a given GLN.	56, 60
Req-207	Must be notified of significant changes that Data Recipients would be concerned with; Have previously rejected a store and something has changed such that the information is now needed.	65, 67, 69, 75, 76
Req-208	Want to receive "stores" by requesting with a particular GLN.	56, 60, 67, 75, 76
Req-209	Must be assured that GLN Parent/Child relationships do not become circular (endless loop).	56, 60
Req-210	Supplier wants to be able to identify all Retailer's stores within the Supplier-defined area.	56, 60
Req-211	Retailer wants to be able to identify all Suppliers distribution locations within the Retailer-defined area.	56, 60
Req-212	Must be able to publish once to the world (publicly).	65
Req-213	Data Source must be able to publish either to a GLN or the community at large.	65
Req-214	Confirm Party information synchronisation intent by GLN(s).	69

Req-215	Must be able to subscribe by: (1) GLN; (2) Party Role; (3) Process Capability; (4) Trade Item Classification.	67
Req-216	Must be able to subscribe by Top level GLN (Corporate Entity), Process Capability and GLN Party Role.	67
Req-217	The criteria for Party Synchronisation (attributes that are determined to be synchronised within the process) will be defined and consistent for all participants in the GDSN.	69
Req-218	The Party Synchronization Requirements will include criteria maintained at the Global Registry. The requirements assume that the data required by the Global Registry for this process is provided by the datapools and the Trading Partners in its entirety and is standards compliant.	60
Req-219	The Global Registry shall encompass the physical infrastructure to facilitate the Party Synchronization functionality.	60, 61, 62, 67, 68
Req-220	The Party Synchronization functionality will be made available to any member or potential member of the Global Data Synchronization Network, facilitated through the datapools; or any entity connected with the process in any way. This is to allow Data Sources, Data Recipients and others the ability to synchronize party information within the GDSN.	All use cases
Req-221	Party Synchronization Requirements will be managed through the EAN.UCC GSMP process. This will be the mechanism for all change management associated with Party Synchronization.	All use cases
Req-222	Hierarchical content and Process Capabilities will be addressed in these Party Synchronization Requirements.	56, 60
Req-223	Each Acknowledgment is returned as part of the party synchronization process. If errors exist, every error must have a unique error code. Each error code will be accompanied by a text field (initially error text will be in Oxford English). Datapools may translate as a value add.	All use cases
Req-224	The choreography for Datapool to Datapool interaction must be defined. The process flow includes the Registration of the Party information. The process flow also includes the ability for Datapools to interoperate in the GDSN.	75, 76
Req-225	The concept of requesting information from a Data Source is essential for party synchronization functionality to fit into the overall GDSN functionality.	67
Req-226	The Global Location Number (GLN) must be used as the Party Identification within the Global Data Synchronisation Network (GDSN).	56, 60
Req-227	Global Location Number (GLN) cardinality: From Data Source to Source Data Pool GLN must be used to identify the Source Data Pool, the Corporate Entity of the Party Information, in addition to the GLN of the Party Information being distributed.	56
Req-228	Global Location Number (GLN) cardinality: From Source Data Pool to Recipient Data Pool GLN must be used to identify the Source Data Pool, the Corporate Entity of the Party Information, the Data Recipient, in addition to the GLN of the Party Information being distributed.	75
Req-229	Global Location Number (GLN) cardinality: From Recipient Data Pool to Data Recipient GLN must be used to identify the Source Data Pool, the Corporate Entity of the Party Information, the Data Recipient, in addition to the GLN of the Party Information being distributed.	76
Req-230	The Party Notification must include the state of the party information defined as: Canceled, Discontinued, InProgress, and New.	56, 75, 76

Req-231	The Party Notification must include the process capability of the Party (such as Item Sync).	56, 60, 75, 76
Req-232	The Party Notification must use the EAN.UCC approved Party Document for the Party Information.	56, 60, 75, 76
Req-233	Party Information must be registered with the Global Registry prior to Publication, Subscription and distribution within the GDSN.	60, 65, 67, 75, 76
Req-234	Global Location Number (GLN) must be used to identify the Source Data Pool and the Corporate Entity of the Party Information, in addition to the GLN of the Party Information being registered.	60
Req-235	The state of the party information defined as: Canceled, Discontinued, New, and Registered must be identified when registering the information.	60
Req-236	The Party Information from the EAN.UCC approved Party Document must be used for registration .	60
Req-237	A Source Data Pool must notify the registry of a discontinued status of a registered Party.	61
Req-238	The registry may delete a discontinued Party record according to GLN allocation rules.	62
Req-239	Global Location Number (GLN) must be used to identify the data Recipient and the confirmed Party GLN when confirming the state for Party Information.	69
Req-240	Global Location Number (GLN) may be used to identify the data Source when confirming the state for Party Information.	69
Req-241	The confirmation state, defined as: Accepted, Rejected, Review, Synchronised, must be identified when confirming the intent of use of the party information.	69
Req-242	The Party Process Capability or the Party Role may be identified with the confirmation of Party Information.	69
Req-243	Global Location Number (GLN) must be used to identify the recipient of the Party information when publishing to a specific Data Recipient within the GDSN.	65
Req-244	Global Location Number (GLN) must be used to identify the Party of information being published within the GDSN.	65
Req-245	The date the Party information is available for Publication must be identified.	65
Req-246	A Publication within the GDSN may be stopped by a data Source	66
Req-247	Global Location Number (GLN) must be used to identify the recipient Data Pool, the data Recipient and the Party Information requested with a subscription.	67
Req-248	A subscription may be requested by a Party Role.	67
Req-249	A subscription may be requested by a Party Process Capability.	67
Req-250	A Subscription within the GDSN may be stopped by a Data Recipient	68
Req-251	A Data Recipient may request that specific Party Information be resent using the subscription criteria within the GDSN.	72, 75, 76
Req-252	The Party Notification, in response to a "resend" request, MUST identify the attribute "isReload" equal to TRUE.	72, 75, 76
Req-253	A source Data Pool must create a synchronisation list to manage movement of the Party Information within the GDSN.	78
Req-254	Data Pools within the GDSN must facilitate distribution of Party Information.	75, 76

Req-255	A Data Pool must send a Subscription (request for information) to the Global Registry for routing.	73, 77
Req-256	The Global Registry must facilitate the response of requested information within the GDSN by contacting the source Data Pool(s).	73, 77
Req-257	Distribution of Party Information to data Recipients is a function of a Data Pool within the GDSN.	76
Req-258	Should errors occur within the GDSN, Error messages must be sent with the proper identification of the error.	All use cases

2.5 Relationship to the General Business Model

This diagram illustrates the position of the Catalogue Item Synchronisation Use Case within the overall EAN•UCC General Business Model.

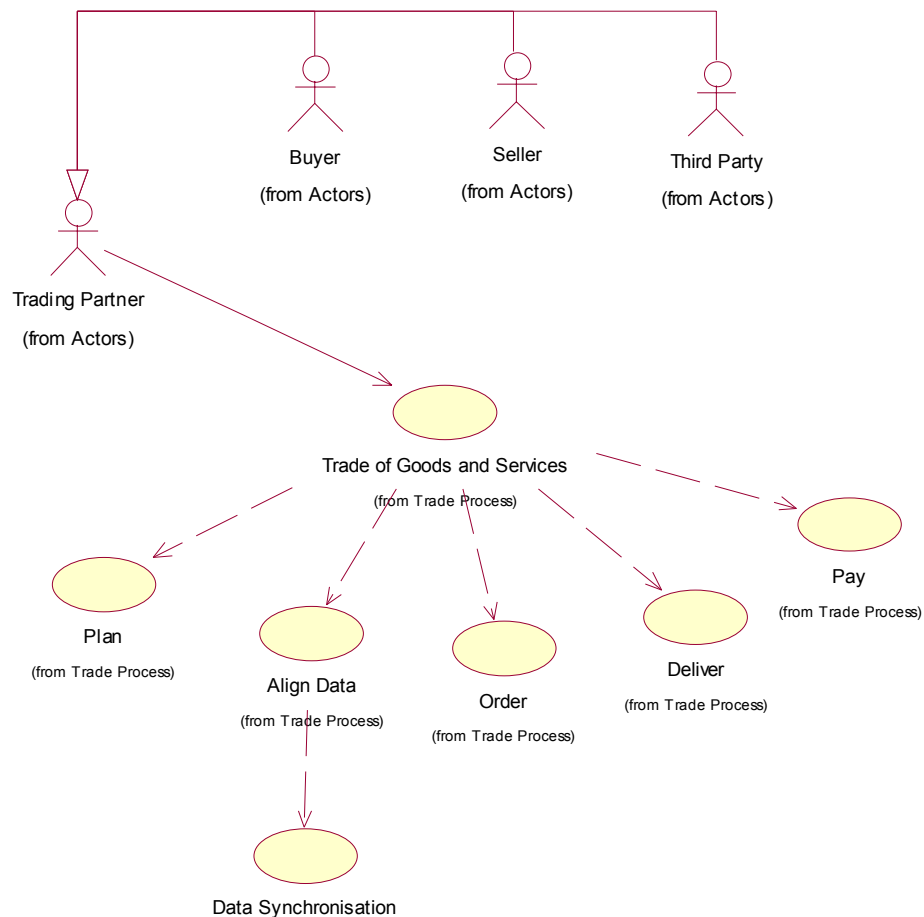
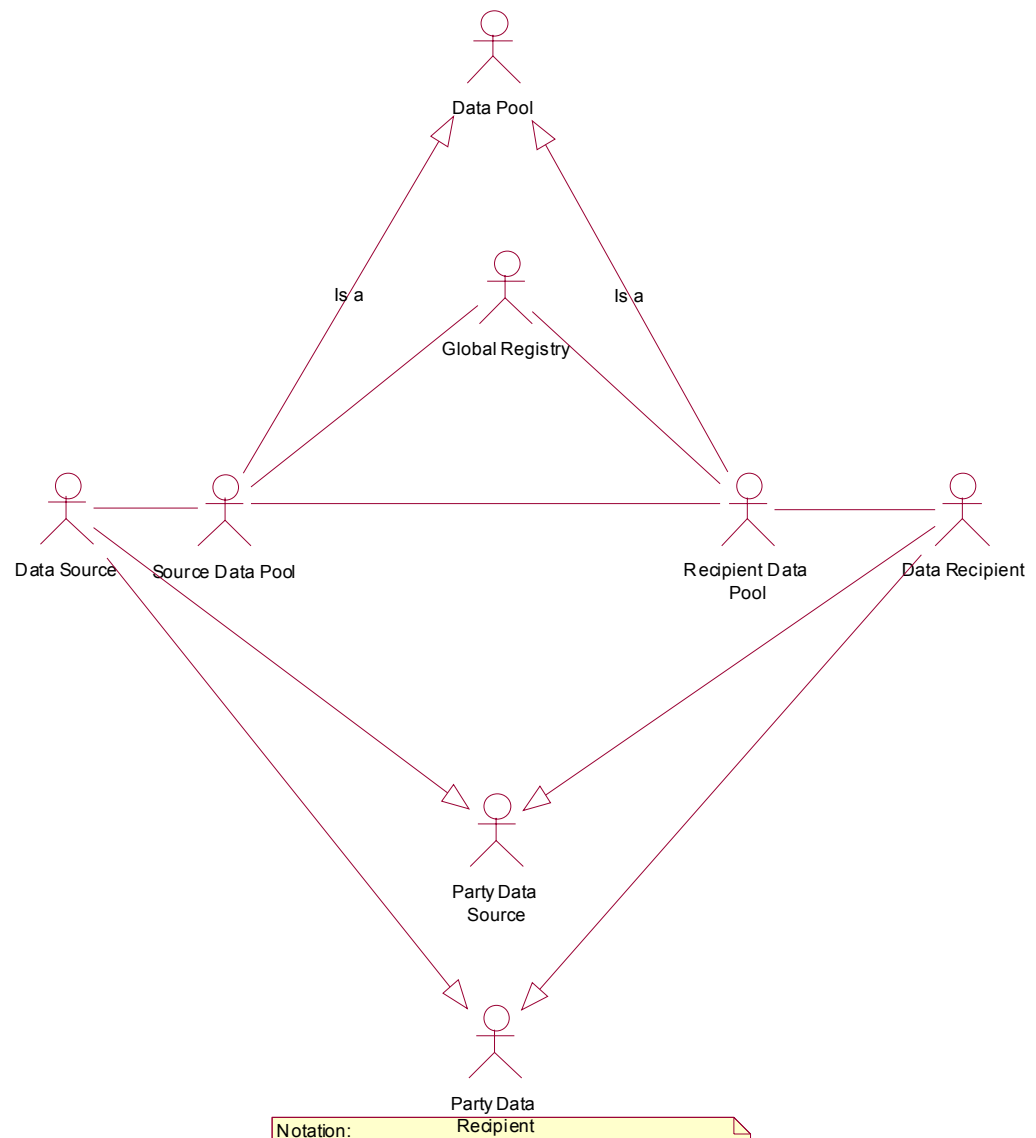


Figure 1 - Relationship to the General Business Model



Notation:
Stick Figures: People, Companies or Systems that interact with the system under study. They can also represent roles that are performed by these entities.

Lines with large open arrows:
This is a Generalization. It shows that one actor (non arrow end) is a more specific type of another actor (arrow end).

Lines without arrows:
This is an association. It shows that two actors are associated and participate in processes together.

Figure 2 - Actor Relationships

2.6 Use Case Overview

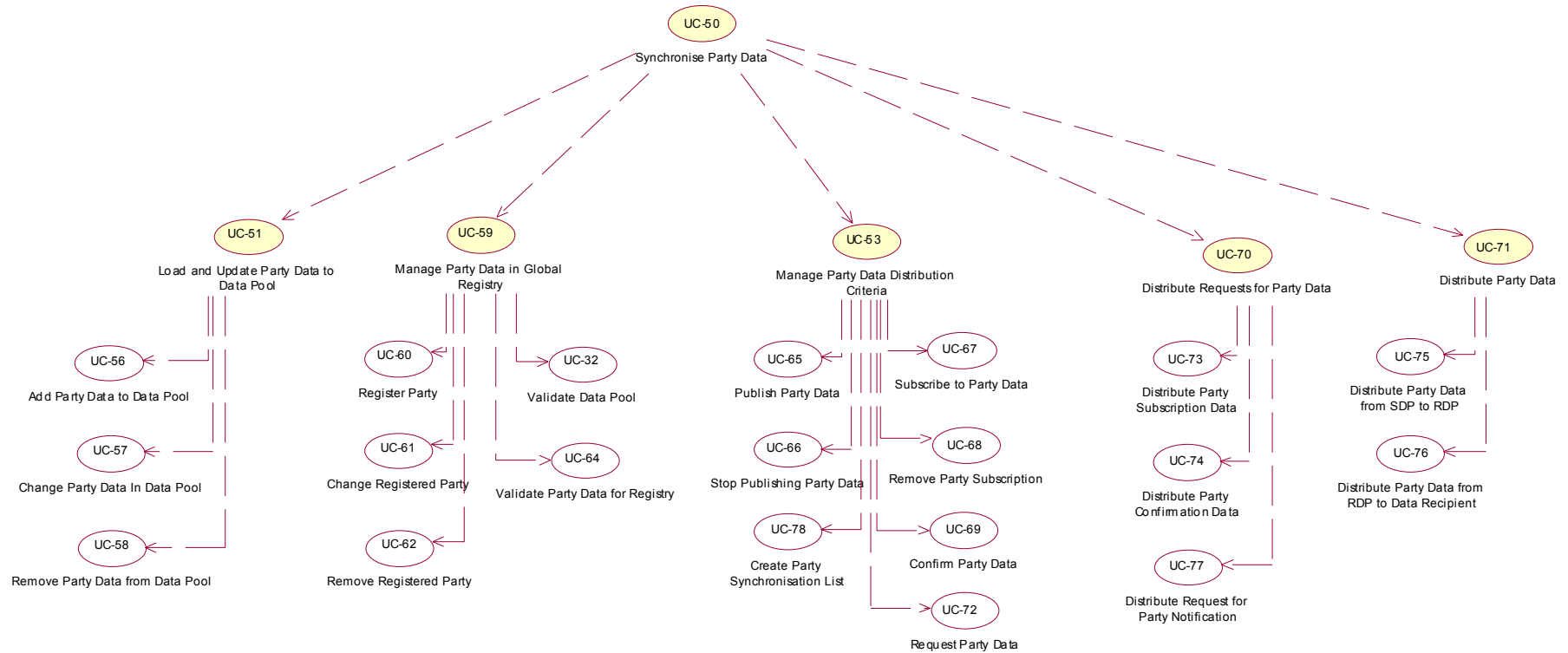


Figure 3 - Party Synchronisation Use Case Overview Use Case Diagram

2.7 Use Cases Triggering Other Use Cases

Depending on additional factors, a Use Case may trigger the initiation of another Use Case. An example of this is when a Party is added to a Data Pool which initiates the Registration of that party in the Global Registry and, depending on existing Publications and Subscriptions, may initiate the distribution of that Party data to the Data Recipient.

The following spreadsheet shows which subsequent Use Cases each Use Case has the potential to trigger. The preconditions of the triggered Use Case must be satisfied for the Use Case to actually be initiated.

UseCaseName	Synchronise Party Data (UC-50) Use Cases triggering other Use Cases																									
	Synchronise Party Data (UC-50)	- Load and Update Party Data to Data Pool (UC-51)	-- Add Party Data to Data Pool (UC-56)	-- Change Party Data in Data Pool (UC-57)	-- Remove Party Data from Data Pool (UC-58)	- Manage Party Data in Global Registry (UC-59)	-- Register Party (UC-60)	-- Change Registered Party (UC-61)	-- Remove Registered Party (UC-62)	-- Validate Data Pool (UC-32)	-- Validate Party Data for Registry (UC-64)	- Manage Party Distribution Criteria (UC-53)	-- Publish Party Data (UC-65)	-- Stop Publishing Party Data (UC-66)	-- Subscribe to Party Data (UC-67)	-- Remove Party Subscription (UC-68)	-- Confirm Party Data (UC-69)	-- Request Party Data (UC-72)	-- Create Party Synchronisation List (UC-78)	- Distribute Requests for Party Data (UC-70)	-- Distribute Party Subscription Data (UC-73)	-- Distribute Party Confirmation Data (UC-74)	-- Distribute Request for Party Notification (UC-77)	- Distribute Party Data (UC-71)	-- Distribute Party Data from SDP to RDP (UC-75)	-- Distribute Party Data from RDP to Data Recipient (UC-76)
Synchronise Party Data (UC-50)																										
- Load and Update Party Data to Data Pool (UC-51)																										
-- Add Party Data to Data Pool (UC-56)							↑			↑	↑														↑	↑
-- Change Party Data in Data Pool (UC-57)								↑	↑	↑	↑														↑	↑
-- Remove Party Data from Data Pool (UC-58)								↑	↑	↑	↑														↑	↑
- Manage Party Data in Global Registry (UC-59)																										
-- Register Party (UC-60)										↑	↑															
-- Change Registered Party (UC-61)									↑	↑	↑															
-- Remove Registered Party (UC-62)																										
-- Validate Data Pool (UC-32)																										
-- Validate Party Data for Registry (UC-64)																										
- Manage Party Distribution Criteria (UC-53)																										
-- Publish Party Data (UC-65)																				↑					↑	↑
-- Stop Publishing Party Data (UC-66)																			↑							
-- Subscribe to Party Data (UC-67)																			↑		↑				↑	↑
-- Remove Party Subscription (UC-68)																			↑		↑					
-- Confirm Party Data (UC-69)																			↑			↑			↑	↑
-- Request Party Data (UC-72)																						↑			↑	↑
-- Create Party Synchronisation List (UC-78)																										
- Distribute Requests for Party Data (UC-70)																										
-- Distribute Party Subscription Data (UC-73)																									↑	↑
-- Distribute Party Confirmation Data (UC-74)																									↑	↑
-- Distribute Request for Party Notification (UC-77)																									↑	↑
- Distribute Party Data (UC-71)																										
-- Distribute Party Data from SDP to RDP (UC-75)																										↑
-- Distribute Party Data from RDP to Data Recipient (UC-76)																										

Figure 4 – Use Cases Triggering other Use Cases matrix

2.8 Use Case Overview – High Level

The following figure depicts a high level view of the Global Data Synchronisation Network, it's participants and the major data flows that support Party Data Synchronisation.

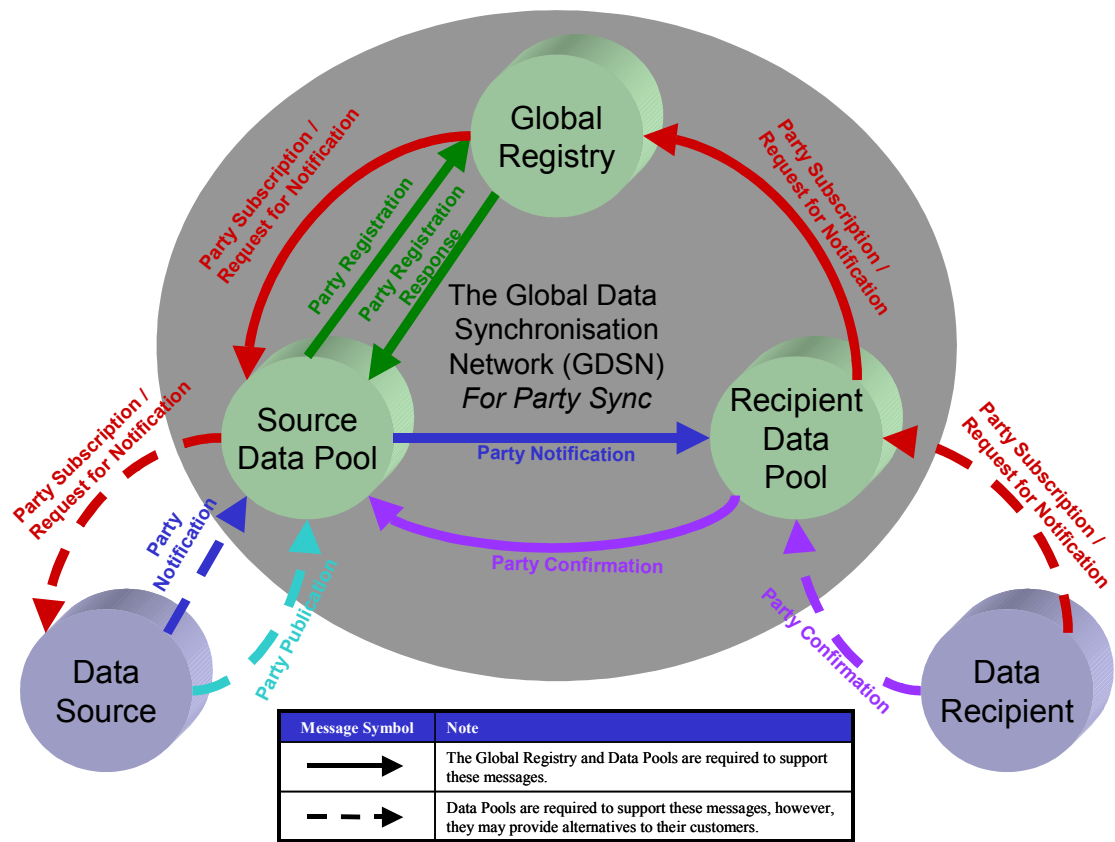


Figure 4 - The Global Data Synchronisation Network and Party Synchronisation

2.9 Use Case Scenarios Synchronise Party Data (UC-50)

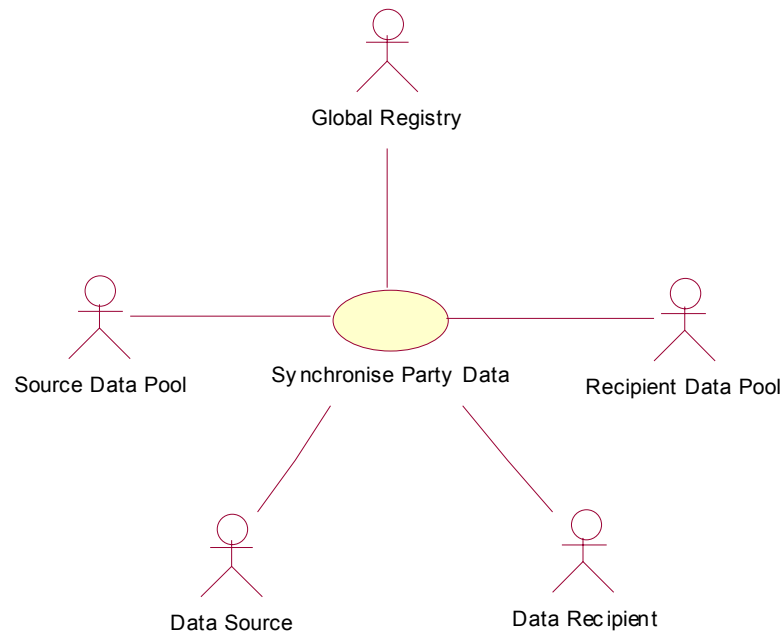


Figure 4 - Synchronise Party Data Use Case Diagram

Process Use Case Name	Synchronise Party Data
Use Case Identifier (Traceability)	UC-50
Use Case Description	<p>The process of continuous harmonisation of Party information between all trading partners within the supply chain through the use of Align Data standards.</p> <p>The salient points for synchronisation are:</p> <ol style="list-style-type: none"> 1. synchronisation is a process 2. it is auditable 3. must utilise EAN•UCC industry standards 4. the data exchanged must be compliant with these standards 5. the recipient must acknowledge the integration of the data <p>continuous updates must be applied</p> <p>The Summary and Detail Use Cases of this process are further defined and identified below.</p>
Summary Use Cases	UC-51: Load and Update Party Data to Data Pool UC-59: Manage Party Data in Global Registry UC-53: Manage Party Distribution Criteria UC-70: Distribute Requests for Party Data UC-71: Distribute Party Data
Detail Use	See Summary Use Cases for identified Detail Use Cases

Cases	
Actors	Data Source (DS) Source Data Pool (SDP) Global Registry (GR) Recipient Data Pool (RDP) Data Recipient (DR)
Performance Goals	<p>Data Source: To have Party Data available to Data Recipients.</p> <p>Source Data Pool: To ensure Data Source provided Party Data is searchable and available to Recipient Data Pools.</p> <p>Recipient Data Pool: To find Party Data that matches the Data Recipient's search or subscription criteria.</p> <p>Data Recipient: To obtain Party Item Data of their trading partners.</p> <p>Global Registry: To ensure that Party Data can be found by Recipient Data Pools.</p>
Preconditions	Actors are participants of the Global Data Synchronisation Network.
Postconditions	Party Data is available to participants of the Global Data Synchronisation Network.
Scenario	See Figure in Section 2.7 "The Global Data Synchronisation Network (GDSN) for Party Synchronisation"
Alternative Scenario	<i>None</i>
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	See Business Requirement table for Party Synchronisation

2.9.1 Load and Update Party Data to Data Pool (UC-51)

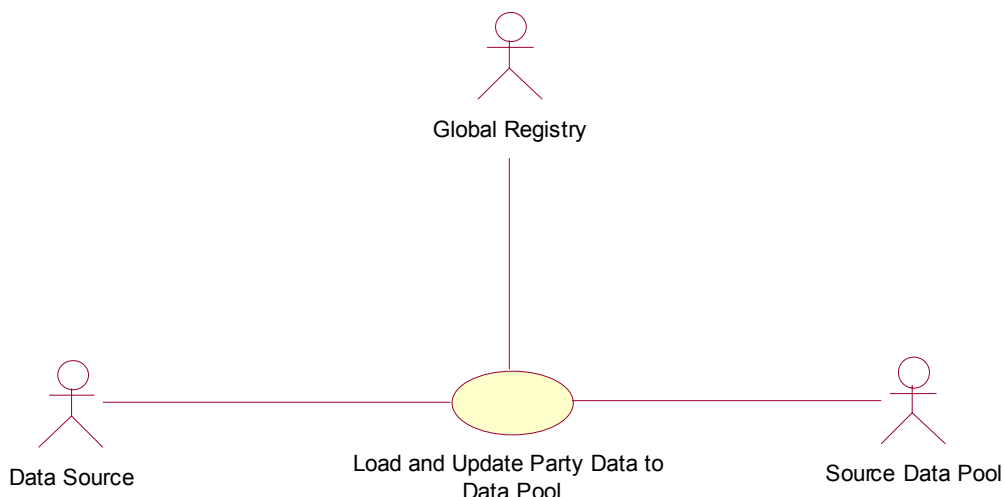


Figure 5 - Load and Update Party Data to Data Pool Use Case Diagram

Summary Use Case Name	Load and Update Party Data to Data Pool
Use Case Identifier (Traceability)	UC-51
Use Case Description	<p>The process of continuous harmonisation of Party information between a Data Source and his Data Pool.</p> <p>A Data Source is required to notify his Data Pool of the state of the Party Data with the following values:</p> <p>Canceled – A term describing a maintenance function used to communicate that a Party GLN was not introduced into the complete GDSN, allowing for reuse of the GLN in accordance with the EAN.UCC GLN Allocation rules.</p> <p>Discontinued – A term describing a maintenance function used to communicate the permanent removal of a Party GLN and data from the GDSN, beginning the trigger to track the EAN.UCC retention period for GLN reuse.</p> <p>In_Process – A term describing a maintenance function used to communicate the intent of registering a Party GLN and data to the Global Registry.</p> <p>New – A term describing a maintenance function used to communicate the first time use of the Party GLN and data.</p> <p>As a Summary Use Case, specific processes are further defined in the Detail Use Cases identified below.</p>
Process Use Case	UC-50 Synchronise Party Data
Detail Use Cases	UC-56: Add Party Data to Data Pool UC-57: Change Party Data in Data Pool UC-58: Remove Party Data from Data Pool
Actors	Data Source (DS)

	Data Pool (DP)
Performance Goals	<p>Data Source: To have Party Data available to Data Recipients.</p> <p>Data Pool: To ensure Data Source provided Party Data is searchable and available to Data Recipients.</p>
Preconditions	<p>The Data Source and Data Pool must have entered into a working relationship.</p> <p>The Data Pool must be certified within the Global Data Synchronisation Network (GDSN).</p>
Postconditions	Party Data is captured and maintained within the Data Pool for the Data Source. In the case of a removal, the Party Data is removed from the Data Pool and no longer available to Data Recipients.
Scenario	<p>Begins when, the Data Source sends, to their Data Pool, either Party data to be added or changed, or an indication of which Party data to remove.</p> <ol style="list-style-type: none"> 1. The DP validates that the message was received from a valid DS 2. The DP acknowledges receipt of the DS's Party data 3. The DP validates the Party data 4. The DP updates their copy of the DS's data 5. The DP notifies the DS that the Party data was processed successfully 6. The DS receives the DP's notification 7. The DS acknowledges receipt of notification to the DP <p>Ends when, the Data Pool receives the Data Source's acknowledgement</p>
Alternative Scenario	<p>ad 1. Message not sent by valid DS: 1.1. DP does not process the message</p> <p>ad 3. Validation fails: 3.1. DP sends an error message to the DS Ends when, the Data Source receives the error message</p> <p>ad 4. Update fails: 4.1. DP sends an error message to the DS Ends when, the Data Source receives the error message</p> <p>ad 6. DS does not receive Success Notification from DP: 6.1. DS may choose to send the Party data again 6.2. DS must contact the DP regarding the status of the Party Data Ends when, the Data Source and Data Pool resolve the status of the original Party data</p> <p>ad 7. Data Pool does not receive acknowledgement of success notification: 7.1. DP may choose to notify the DS again 7.2. DP must contact the DS regarding the status of the notification Ends when, the Data Pool and Data Source resolve the status of the original Party Data</p>
Special	N/A

Requirements	
Extension Points	N/A
Requirements Covered	See Detail Use Cases #56, 57, 58 for Business Requirements identification

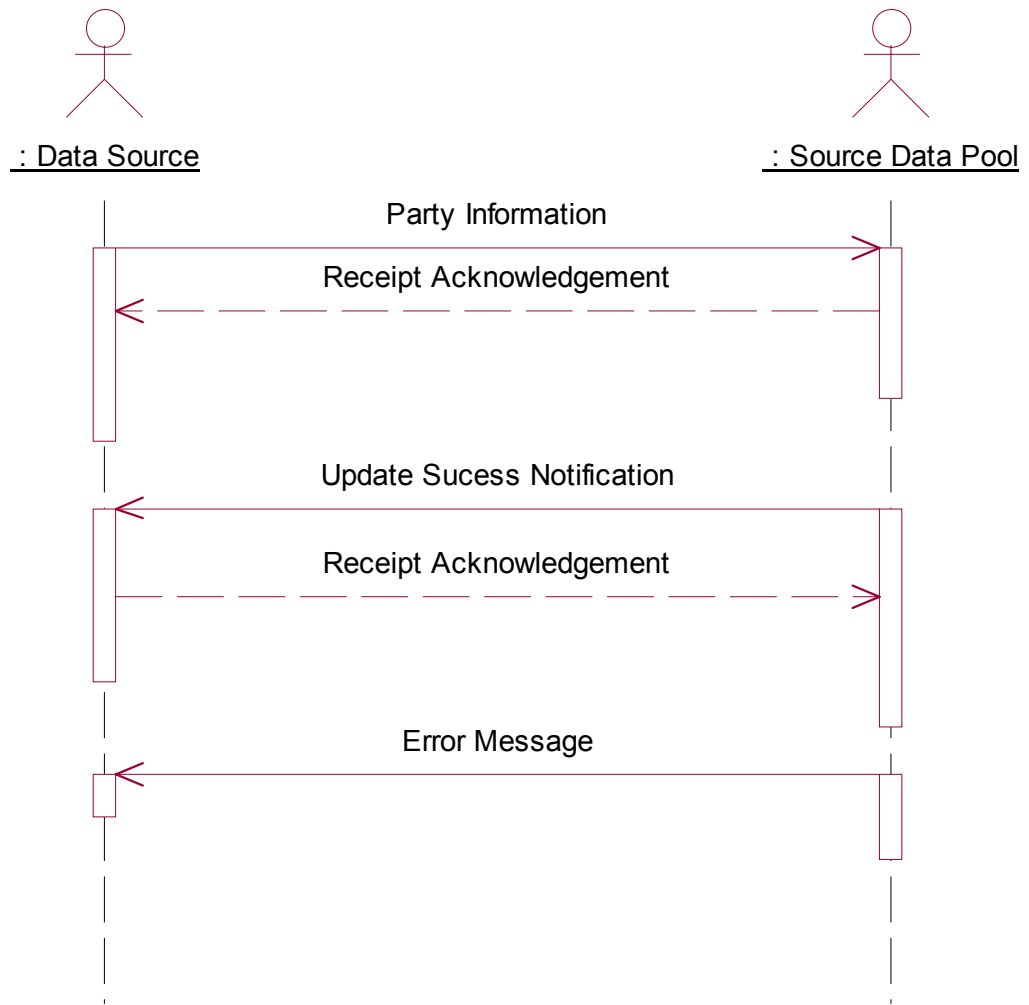


Figure 5 - Load and Update Party Data to Data Pool Sequence Diagram

2.9.2 Add Party Data to Data Pool (UC-56)

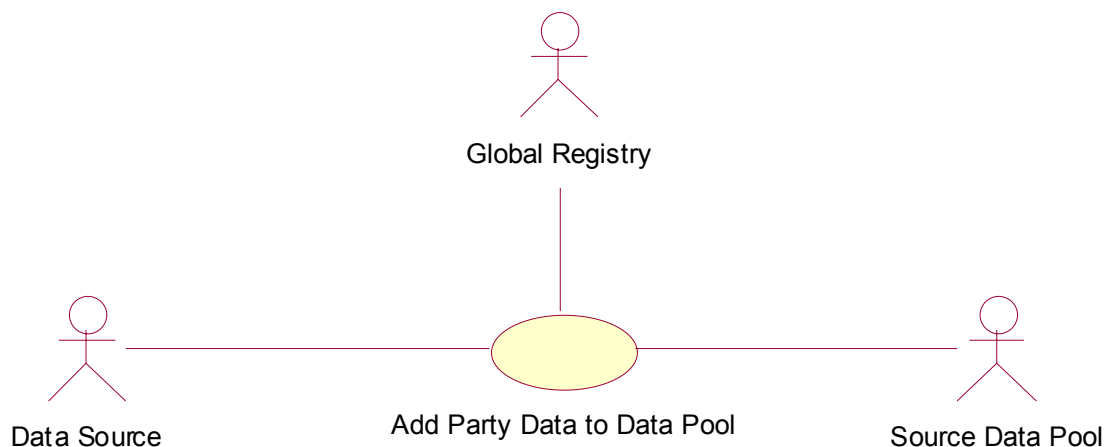


Figure 6 - Add Party Data to Data Pool Sequence Diagram

Detail Use Case Name	Add Party Data to Data Pool
Use Case Identifier (Traceability)	UC-56
Use Case Description	The Add Party Data use case describes what activities need to happen to validate and register Party data. After the Party data is validated and registered, it can then reside in the Source Data Pool for distribution.
Actors	Data Source (DS) Source Data Pool (SDP) Global Registry (GR)
Summary Use Case	UC-51 Load and Update Party Data to Data Pool
Detail Use Cases	None
Performance Goals	Data Source: To have validated, registered Party data in their Source Data Pool. Source Data Pool: To have validated, registered Party data. Global Registry: To ensure valid, unique Party data is registered.
Preconditions	Data Source has defined Party data.
Postconditions	Data Source knows that Party data has been validated and registered.
Scenario	Begins when, the Data Source sends, to the Source Data Pool, Party data. <ol style="list-style-type: none"> 1. The SDP receives the Party data 2. The SDP acknowledges receipt of Party data 3. The SDP validates the Party data 4. The SDP loads the Party data 5. The SDP sends the Registry Party data of Party data to the GR for

	<p>registration</p> <ol style="list-style-type: none"> 6. The GR receives the Registry Party data 7. The GR validates the Registry Party data for uniqueness 8. The GR registers the Registry Party data 9. The GR sends a registration response to the SDP 10. The SDP receives the registration response 11. The SDP stores the registration response information 12. The SDP sends a success notification to the DS 13. The DS acknowledges receipt of success notification <p>Ends when, the Source Data Pool receives acknowledgement receipt of success notification.</p>
Alternative Scenario	<p>ad 2. Validation fails.</p> <p>2.1. SDP sends an error message to the DS</p> <p>Ends when, the Data Source receives the error message</p> <p><i>ad 7. Validation fails at the GR</i></p> <ol style="list-style-type: none"> 7.1. GR sends an error message to the SDP 7.2. The SDP receives the error message 7.3. The SDP sends an error message to the DS <p>Ends when, the Data Source receives the error message</p> <p><i>** SDP may not send Party data to GR for uniqueness check w/o Registration request.</i></p>
Special Requirements	DATA SOURCE IS USING A (SOURCE) DATA POOL.
Extension Points	N/A
Requirements Covered	BUSINESS REQUIREMENT # 199, 206, 208, 209, 210, 211, 220, 221, 222, 223, 226, 227, 230, 231, 232, 258



Figure 7 - Add Party Data to Data Pool Sequence Diagram

2.9.3 Change Party Data in Data Pool (UC-57)

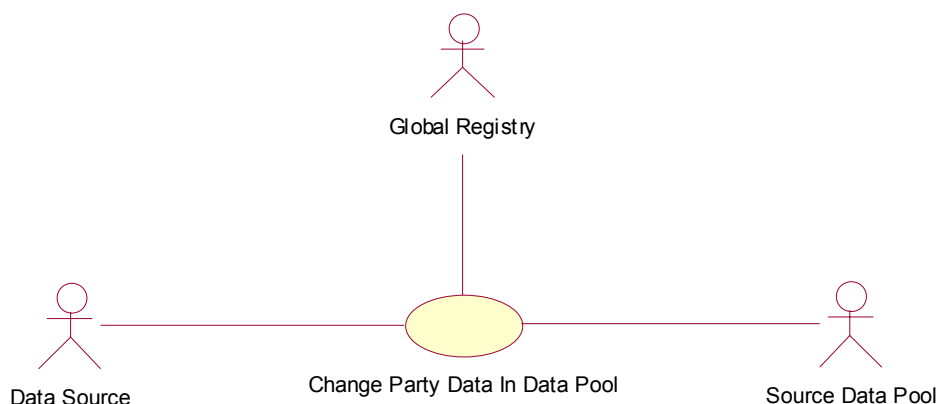


Figure 8 - Change Party Data in Data Pool Sequence Diagram

Detail Use Case Name	Change Party Data in Data Pool
Use Case Identifier (Traceability)	UC-57
Use Case Description	The Change Party Data use case describes what activities need to happen to change existing Party data within a Source Data Pool, whether the Party has been registered or not.
Summary Use Case	UC-51: Load and Update Party Data to Data Pool
Detail Use Cases	None
Actors	Data Source (DS) Source Data Pool (SDP) Global Registry (GR)
Performance Goals	Data Source: To change Party data in their Source Data Pool. Source Data Pool: To have validated, registered updated Party data. Global Registry: To ensure valid, unique Party data is registered.
Preconditions	Data Source has defined the changes to existing Party data within a Source Data Pool.
Postconditions	Data Source knows that updated Party data has been validated and registered.
Scenario	<p>Begins when, the Data Source sends, to the Source Data Pool, Party data to be changed.</p> <ol style="list-style-type: none"> 1. The SDP receives Party data to be changed 2. The SDP validates Party data to be changed 3. The SDP loads the changed Party data 4. The SDP sends the Registry Party data (to be changed) to the GR 5. The GR receives the Registry Party data to be changed 6. The GR validates the Registry Party data 7. The GR registers the changed Registry Party data 8. The GR sends a registration response to the SDP

	<p>9. The SDP receives the registration response 10. The SDP stores the registration response information 11. The SDP sends a success notification to the DS 12. The DS acknowledges receipt of success notification</p> <p>Ends when, the Source Data Pool receives the acknowledgement from Data Source</p>
Alternative Scenario	<p>ad 2. Validation fails: <i>Party data not loaded</i> 2.1. SDP sends an error message to the DS Ends when, the Data Source receives the error message</p> <p>ad 6. <i>Validation fails at the GR: Registry Party data not registered</i> 6.1. <i>GR sends an error message to the SDP</i> 6.2. <i>The SDP receives the error message</i> 7.3. <i>The SDP sends an error message to the DS</i> Ends when, the Data Source receives the error message</p> <p><i>** SDP may not send Party data to GR for uniqueness check w/o Registration request.</i></p>
Special Requirements	DATA SOURCE IS USING A (SOURCE) DATA POOL.
Extension Points	N/A
Requirements Covered	Business Requirement # 200, 220, 221, 223, 258



Figure 9- Change Party Data in Data Pool Sequence Diagram

2.9.4 Remove Party Data from Data Pool (UC-58)

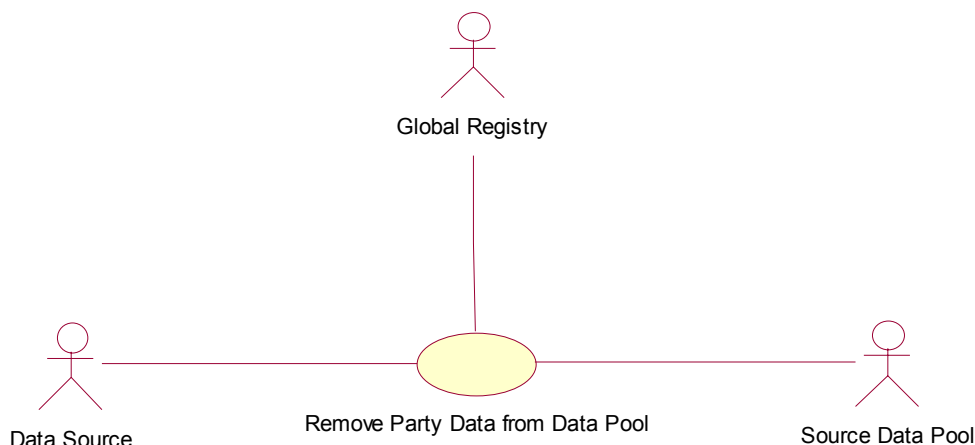


Figure 10- Remove Party Data from Data Pool Class Diagram

Detail Use Case Name	Remove Party Data from Data Pool	
Use Case Identifier (Traceability)	UC-58	
Use Case Description	This use case describes the process that should be considered to remove Party Data from the Global Data Synchronisation Network. This process (UC-58) is triggered from UC-57, Change Party Data in Data Pool, with the Party Notification State defined as Discontinued and a value in discontinueDate.	
Summary Use Case	UC-51: Load and Update Party Data to Data Pool	
Detail Use Cases	None	
Actors	Data Source (DS) Source Data Pool (SDP) Global Registry (GR)	
Performance Goals	<p>Data Source: To be able to remove Party Data from the Source Data Pool and from the Global Registry.</p> <p>Source Data Pool: To remove Party Data upon request of the Data Source.</p> <p>Global Registry: To remove Party Data upon request of a Source Data Pool.</p>	
Preconditions	The Data Source has identified the Party Data to be removed.	
Postconditions	The Data Source Party Data has been removed from the network.	
Scenario	Begins when, the Data Source notifies Source Data Pool of the Party Data to be removed ,via the process defined in UC-57, Change Party Data in Data Pool with the Party Notification State defined as Discontinued and a value in discontinuedDate.	

	<ol style="list-style-type: none">1. The GR removes the Registry Party data based on discontinuedDate (see UC-62).2. The GR sends a registration response to the SDP3. The SDP receives the registration response4. The SDP validates the discontinuedDate5. The SDP removes the Party Data6. The SDP notifies the DS that the Party Data has been removed7. The DS acknowledges receipt of notification from SDP8. The SDP receives acknowledgement of receipt <p>Ends when, the Source Data Pool receives the receipt acknowledgement from the Data Source</p>
Alternative Scenario	None
Special Requirements	<ul style="list-style-type: none">• A deletion cannot be reversed
Extension Points	N/A
Requirements Covered	Business Requirement # 220, 221, 223, 258

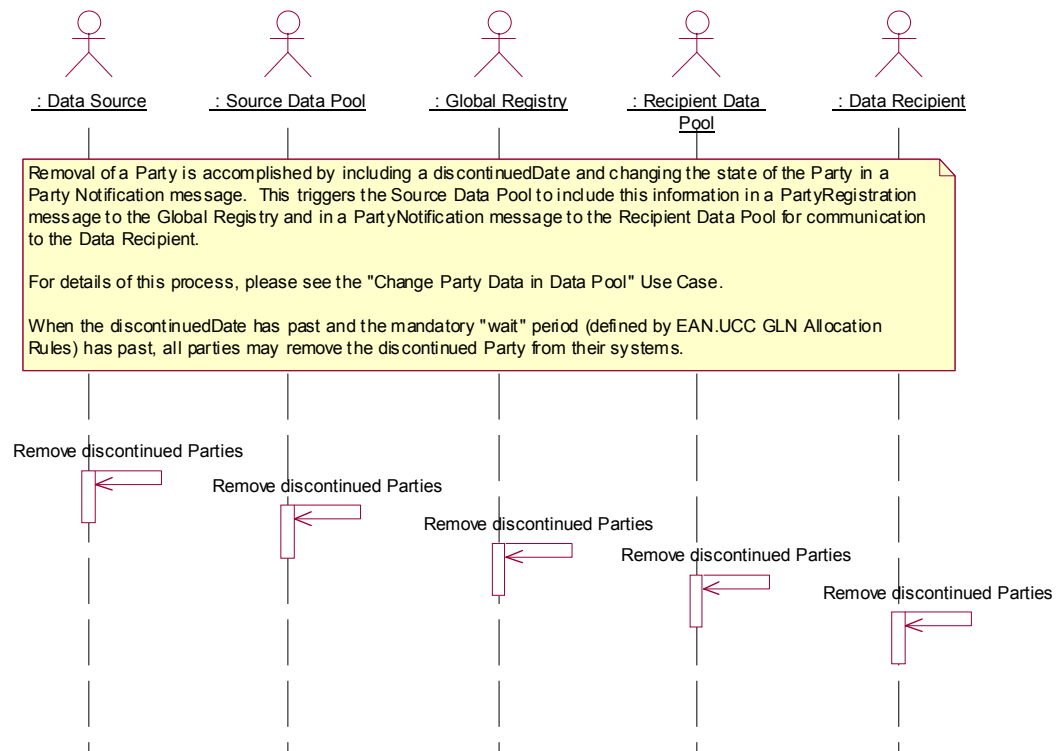


Figure 11 - Remove Party Data from Data Pool Sequence Diagram

2.9.5 Manage Party Data in Global Registry (UC-59)

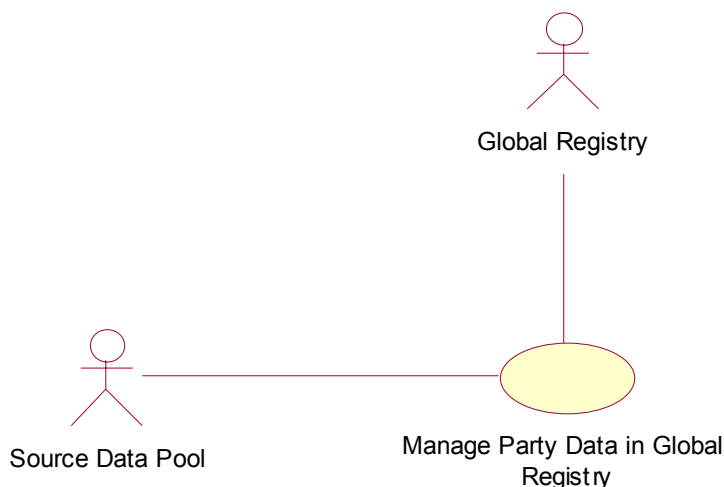


Figure 12 - Manage Party Data in Global Registry Class Diagram

Summary Use Case Name	Manage Party Data in Global Registry
Use Case Identifier (Traceability)	UC-59
Use Case Description	<p>This use case describes the processes that need to take place for Party Data to be registered and managed in the Global Registry.</p> <p>A Data Source is required to notify his Data Pool of the state of the Party Data with the following values:</p> <p>Canceled – A term describing a maintenance function used to communicate that a Party GLN was not introduced into the complete GDSN, allowing for reuse of the GLN in accordance with the EAN.UCC GLN Allocation rules.</p> <p>Discontinued – A term describing a maintenance function used to communicate the permanent removal of a Party GLN and data from the GDSN, beginning the trigger to track the EAN.UCC retention period for GLN reuse.</p> <p>New – A term describing a maintenance function used to communicate the first time use of the Party GLN and data.</p> <p>Registered – A term describing a maintenance function used to communicate that a Party GLN and data has met the validation requirements for acceptance to the Global Registry.</p> <p>As a Summary Use Case, specific processes will be further defined in the Detail Use Cases identified below.</p>
Process Use Case	UC-50: Synchronise Party Data
Detail Use Cases	<p>UC-60: Register Party</p> <p>UC-61: Change Registered Party</p> <p>UC-62: Remove Registered Party</p> <p>*****</p> <p>The 2 Use Cases below will be defined in the Validation Process Definition at a future date:</p> <p>UC-32: Validate Data Pool</p> <p>UC-64: Validate Party Data for Registry</p>

Actors	Source Data Pool (SDP) Global Registry (GR)
Performance Goals	Source Data Pool: To have validated, registered Party data. Global Registry: To ensure valid, unique Party data is registered.
Preconditions	The Source Data Pool has access to the Data Source Party Data
Postconditions	Party data is registered and the Source Data Pool receives a registration notification.
Scenario	<p>Begins when, the Source Data Pool intends to register Party data received from the Data Source.</p> <ol style="list-style-type: none"> 1. The SDP sends the Registry Party data to the GR 2. The GR validates the Registry Party data 3. The GR sends a registration response to the SDP <p>Ends when, the Source Data Pool receives the registration response</p>
Alternative Scenario	<p>ad 2. Registry Validation fails:</p> <ol style="list-style-type: none"> 2.1. GR sends an error message to the SDP 2.2 The SDP receives the error message <p>Ends when, the Source Data Pool receives the error message</p>
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	See Detail Use Case #'s 60, 61, 62, 32* & 64* for Business Requirement Identification Note: Use Case 32 & 64 will be incorporated into the Validation Process BRD.

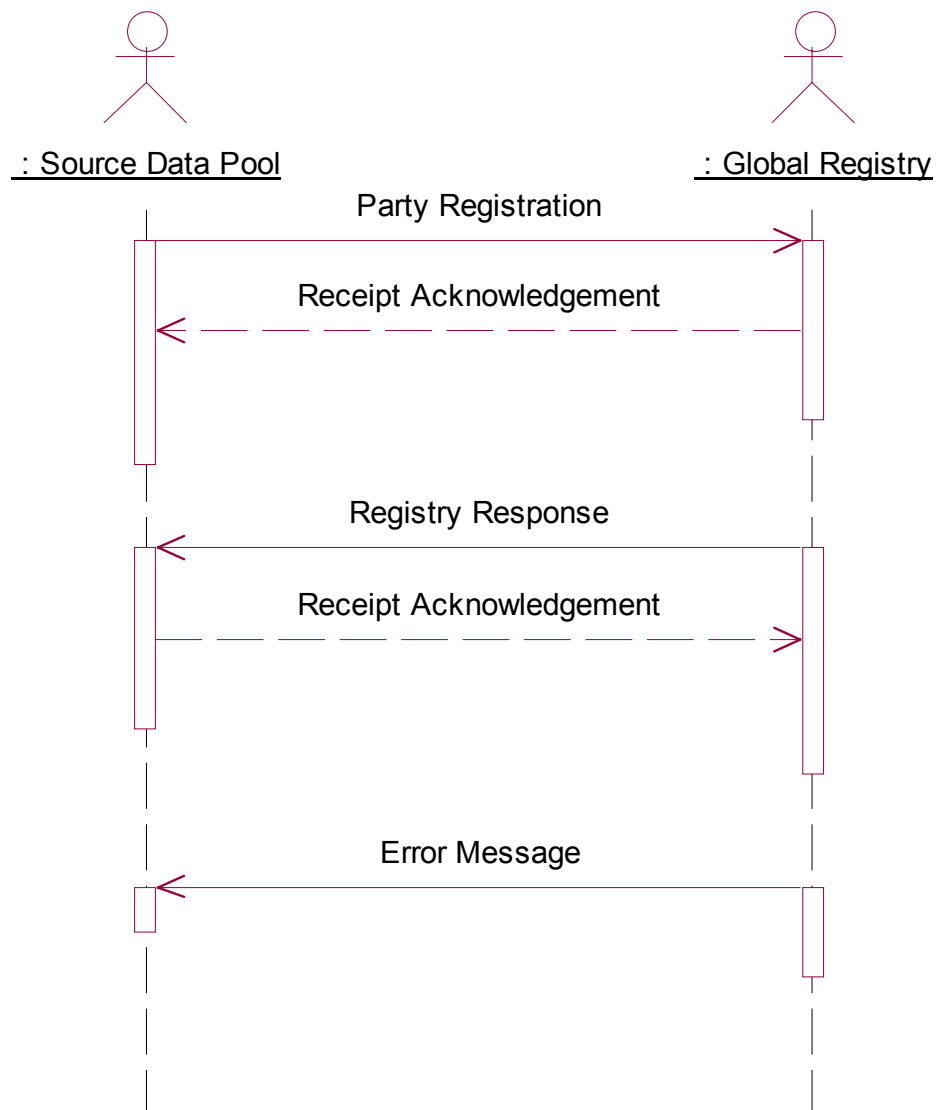


Figure 13 - Manage Party data in Global Registry Sequence Diagram

2.9.6 Register Party (UC-60)

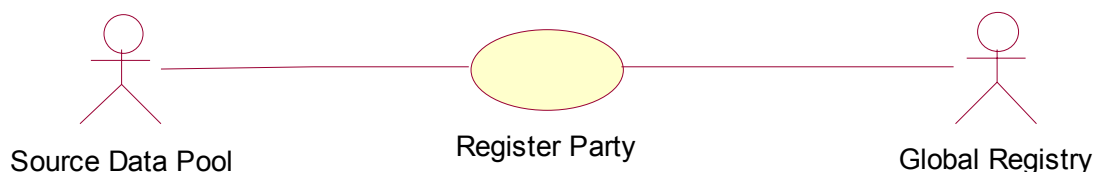


Figure 14 - Register Party Use case diagram

Detail Use Case Name	Register Party
Use Case Identifier (Traceability)	UC-60
Use Case Description	<p>All Parties must be registered in the Global Registry. Prior to registration, the Party data must pass a validation at the Source Data Pool and a uniqueness check at the Registry. The Global Registry ensures that valid, unique Party data is available within the Global Data Synchronisation Network.</p> <p>This Use Case describes the Registration process that is performed by the Global Registry.</p>
Summary Use Case	UC-59: Manage Party Data in Global Registry
Detail Use Case	None
Actors	Source Data Pool (SDP) Global Registry (GR)
Performance Goals	<p>Source Data Pool: To have validated, registered Party data.</p> <p>Global Registry: To ensure valid, unique Party data is registered.</p>
Preconditions	The Source Data Pool is a certified Data Pool. The Source Data Pool has a profile that resides in the registry. The Source Data Pool has validated Party data received from a Data Source.
Postconditions	The Party data has been registered and retained by the Global Registry.
Scenario	<p>Begins when, the Global Registry receives validated Party Data from a Source Data Pool.</p> <ol style="list-style-type: none"> 1. The GR ensures that the SDP is certified. 2. The GR validates the Validation Certificate (from validation engine) sent with the Party data. 3. The GR verifies the uniqueness of the GLN. 4. The GR stores the Party data. <p>Ends when, The Global Registry sends a registration response to the Source Data Pool</p>
Alternative	ad 1. Data Pool not certified:

Scenario	<p>1.1. The GR sends an error message to the SDP Ends when, the Source Data Pool receives the error message</p> <p><i>ad 2. Validation certificate does not pass validation:</i></p> <p>2.1. The GR sends an error message to the SDP Ends when, the Source Data Pool receives the error message</p> <p><i>ad 3. The Party already exists in the GR:</i></p> <p>3.1. GR sends an error message to the SDP 3.2. The SDP receives the error message Ends when, the Source Data Pool receives the error message</p>
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	BUSINESS REQUIREMENT # 199, 201, 203, 206, 208, 209, 210, 211, 218, 219, 220, 221, 222, 223, 226, 231, 232, 233, 234, 235, 236, 258

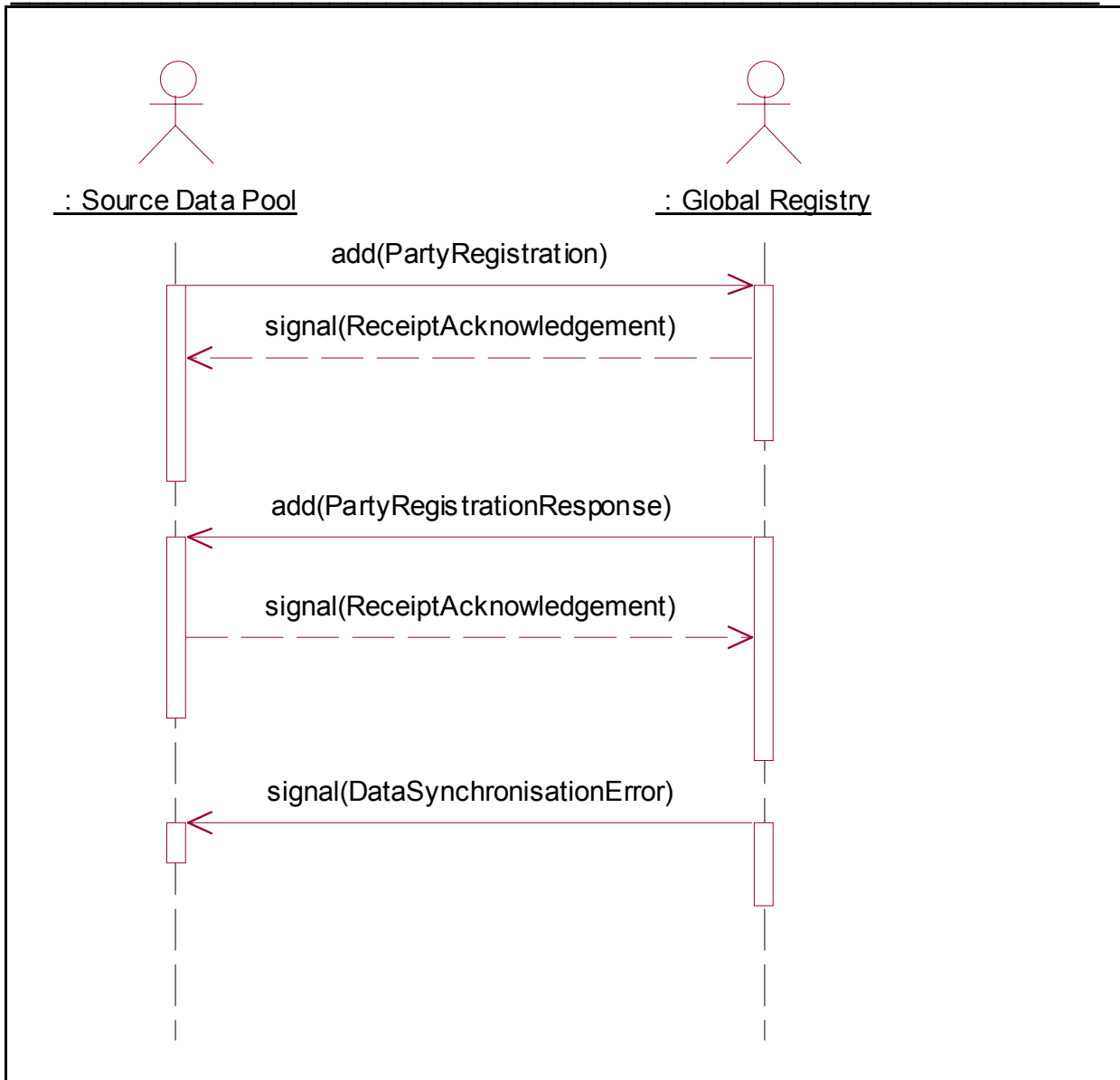


Figure 15 - Register Party Sequence Diagram

2.9.7 Change Registered Party (UC-61)

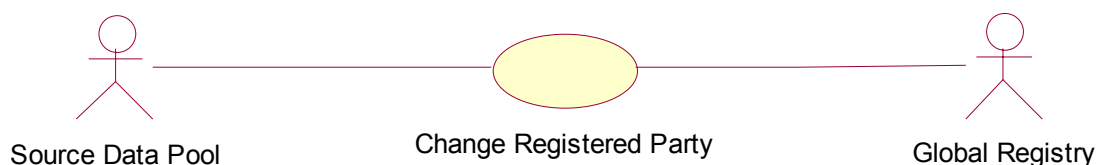


Figure 16 - Change Registered Party Use Case Diagram

Detail Use Case Name	Change Registered Party
Use Case Identifier (Traceability)	UC-61
Use Case Description	In the event that Party data changes (see UC-57, Change Party Data in Data Pool Use Case) in a Source Data Pool, the changes must be reflected in the Global Registry.
Summary Use Case	UC-59: Manage Party Data in Global Registry
Detail Use Cases	None
Actors	Source Data Pool (SDP) Global Registry (GR)
Performance Goals	Source Data Pool: To have validated, registered Party data. Global Registry: To ensure valid, unique Party data is registered.
Preconditions	The Source Data Pool is a certified Data Pool. The Source Data Pool has a profile that resides in the registry. The Source Data Pool has received a "Change Registered Party" message from the Data Source. The Source Data Pool has validated Party data received from a Data Source and has sent that Party data and a Validation Certificate to the Global Registry. The Party data has been previously registered.
Postconditions	The Party data changes have been applied and retained in the Global Registry.
Scenario	<p>Begins when, the Global Registry receives a validated Change Registered Party message from a Source Data Pool.</p> <ol style="list-style-type: none"> 1. The GR ensures that the SDP is certified. 2. The GR validates the Validation Certificate (from validation engine) sent with the Party data from the SDP. 3. The GR ensures that the Party data already exists in the Registry. 4. The GR stores the Party data. <p>Ends when, The Global Registry sends a registration response to the Source Data Pool</p>
Alternative Scenario	<p>ad 1. Data Pool not certified:</p> <ol style="list-style-type: none"> 1.1. The GR sends an error message to the SDP

	<p>Ends when, the Source Data Pool receives the error message</p> <p><i>ad 2. Validation certificate does not pass validation:</i></p> <p>2.1. The GR sends an error message to the SDP</p> <p>Ends when, the Source Data Pool receives the error message</p> <p><i>ad 3. The Party data does not exist in the GR:</i></p> <p>3.1. GR sends an error message to the SDP</p> <p>3.2. The SDP receives the error message</p> <p>Ends when, the Source Data Pool receives the error message</p>
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	BUSINESS REQUIREMENT # 200, 219, 220, 221, 223, 237, 258



Figure 17 - Change Registered Party Sequence Diagram

2.9.8 Remove Registered Party (UC-62)

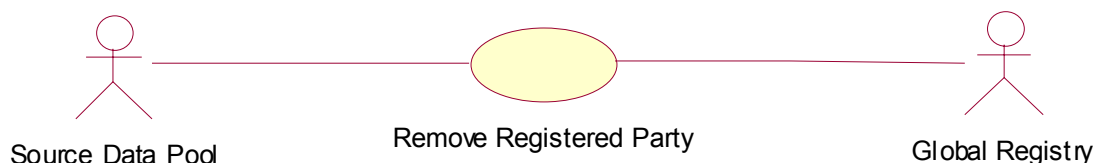


Figure 18 - Remove Registered Party Use Case Diagram

Detail Use Case Name	Remove Registered Party
Use Case Identifier (Traceability)	UC-62
Use Case Description	<p>This use case describes the process to remove Party data from the Global Registry. This process takes place in the Global Registry and is triggered via UC-57, Change Party Data in Data Pool, with the Party Notification State defined as Discontinued and a value in discontinuedDate and UC-58, Remove Party Data from Data Pool.</p> <p>The coordination of removing Party data from the Global Data Synchronisation Network is the responsibility of the Source Data Pool (triggered from a request of the Data Source) and the Global Registry. Recipient Data Pools and Data Recipients must have been notified via UC-73, Distribute Party Data and pre-defined synchronisation lists.</p>
Summary Use Case	UC-59: Manage Party Data in Global Registry
Detail Use Cases	None
Actors	Source Data Pool (SDP) Global Registry (GR)
Performance Goals	<p>Source Data Pool: To maintain validated, registered Party data.</p> <p>Global Registry: To ensure registered Party data is maintained.</p>
Preconditions	The Party data has been previously registered. The Source Data Pool has received a request to remove Registered Party Data (UC-57) from the Data Source. The Source Data Pool has notified the Global Registry with "Change Registered Party" (UC-61).
Postconditions	The Party data has been removed from the Global Registry.
Scenario	<p>Begins when, the discontinuedDate received from a previous notification has arrived.</p> <ol style="list-style-type: none"> 1. The GR validates the discontinuedDate of the Party data 2. The GR removes the Party data 3. The GR notifies the Source Data Pool that the Party data has been removed based on the discontinuedDate

	Ends when, the Source Data Pool receives notification from the Global Registry
Alternative Scenario	<i>ad 1. The Party does not exist in the Registry:</i> <i>1.1. GR sends an error message to the SDP</i> <i>1.2. The SDP receives the error message</i> Ends when, the Source Data Pool receives the error message
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	BUSINESS REQUIREMENT # 219, 220, 221, 223, 238, 258

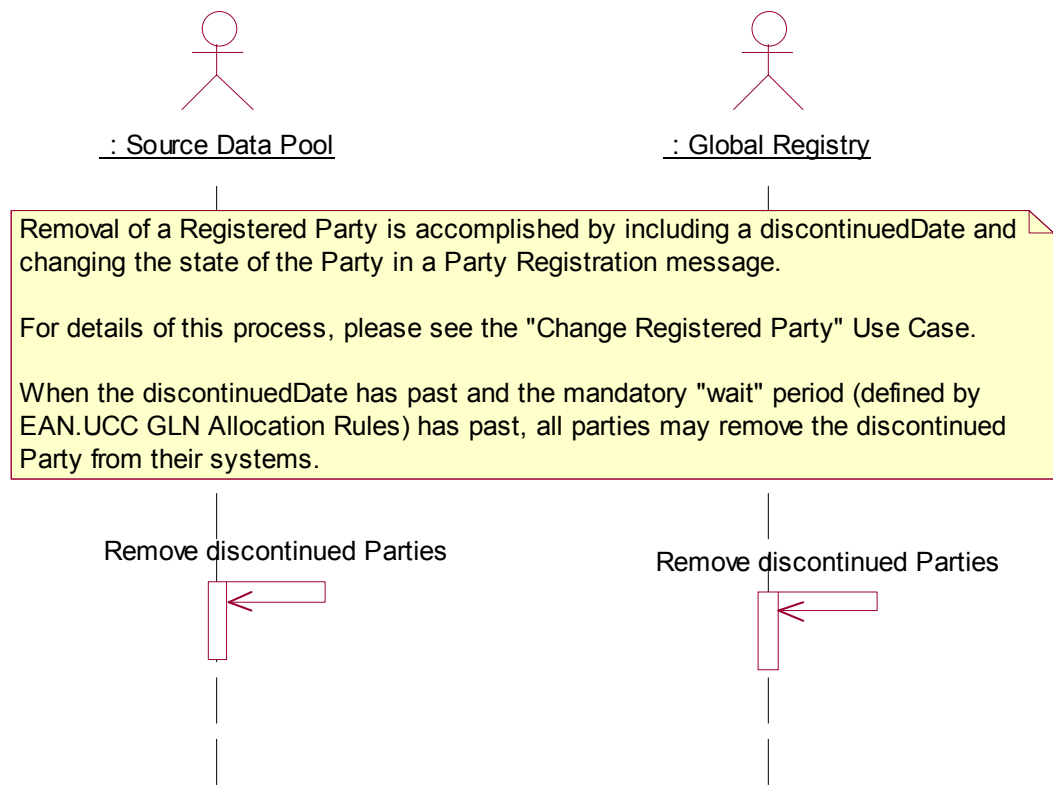


Figure 19 - Remove Registered Party Sequence Diagram

2.9.9 Manage Party Data Distribution Criteria (UC-53)

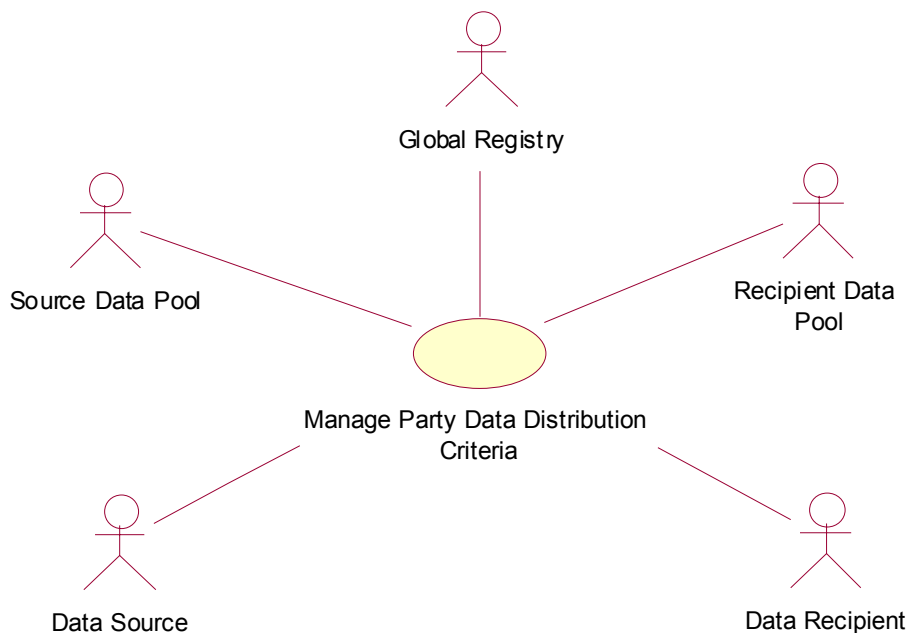


Figure 20 - Manage Party Data Distribution Criteria Use Case Diagram

Summary Use Case Name	Manage Party Data Distribution Criteria
Use Case Identifier (Traceability)	UC-53
Use Case Description	<p>This Use Case describes the processes that need to take place for Party Publications, Subscriptions and Confirmations to be moved throughout the Global Data Synchronisation Network.</p> <p>As a Summary Use Case, specific processes will be further defined in the Detail Use Cases identified below.</p>
Process Use Case	UC-50: Synchronise Party Data
Detail Use Cases	UC-65: Publish Party Data UC-66: Stop Publishing Party Data UC-67: Subscribe to Party Data UC-68: Remove Party Subscription UC-69: Confirm Party Data UC-72: Request Party Data UC-78: Create Party Synchronisation List
Actors	Data Source (DS) Source Data Pool (SDP) Global Registry (GR) Recipient Data Pool (RDP) Data Recipient (DR)
Performance Goals	Data Source: To have Party publications available to the Source Data Pool for matching with Subscriptions.

	<p>Source Data Pool: To have the proper criteria (Publications, Subscriptions and Confirmations) to allow distribution of Party data to Data Recipients (via their Recipient Data Pool).</p> <p>Global Registry: To allow for the distribution of Party Subscriptions to the proper Source Data Pools.</p> <p>Recipient Data Pool: To ensure Party Subscriptions match the data that is being sent by Source Data Pools and requested by the Data Recipient.</p> <p>Data Recipients: To control the type and volume of Party Data received.</p>
Preconditions	The Data Source has sent Party data to the Source Data Pool, and that data has been validated and Registered in the Global Registry
Postconditions	Party Data is available to subscription criteria
Scenario	<p>Begins when, a Data Source creates a Publication and/or a Data Recipient creates a Subscription.</p> <ol style="list-style-type: none"> SDP builds Synchronisation List based on distribution criteria RDP builds Synchronisation List based on distribution criteria <p>Ends when, a Data Pool has built a Synchronisation List to accommodate Data Recipient criteria.</p>
Alternative Scenario	N/A
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	See Detail Use Case #'s 65, 66, 67, 68, 69 & 78 for Business Requirement Identification.

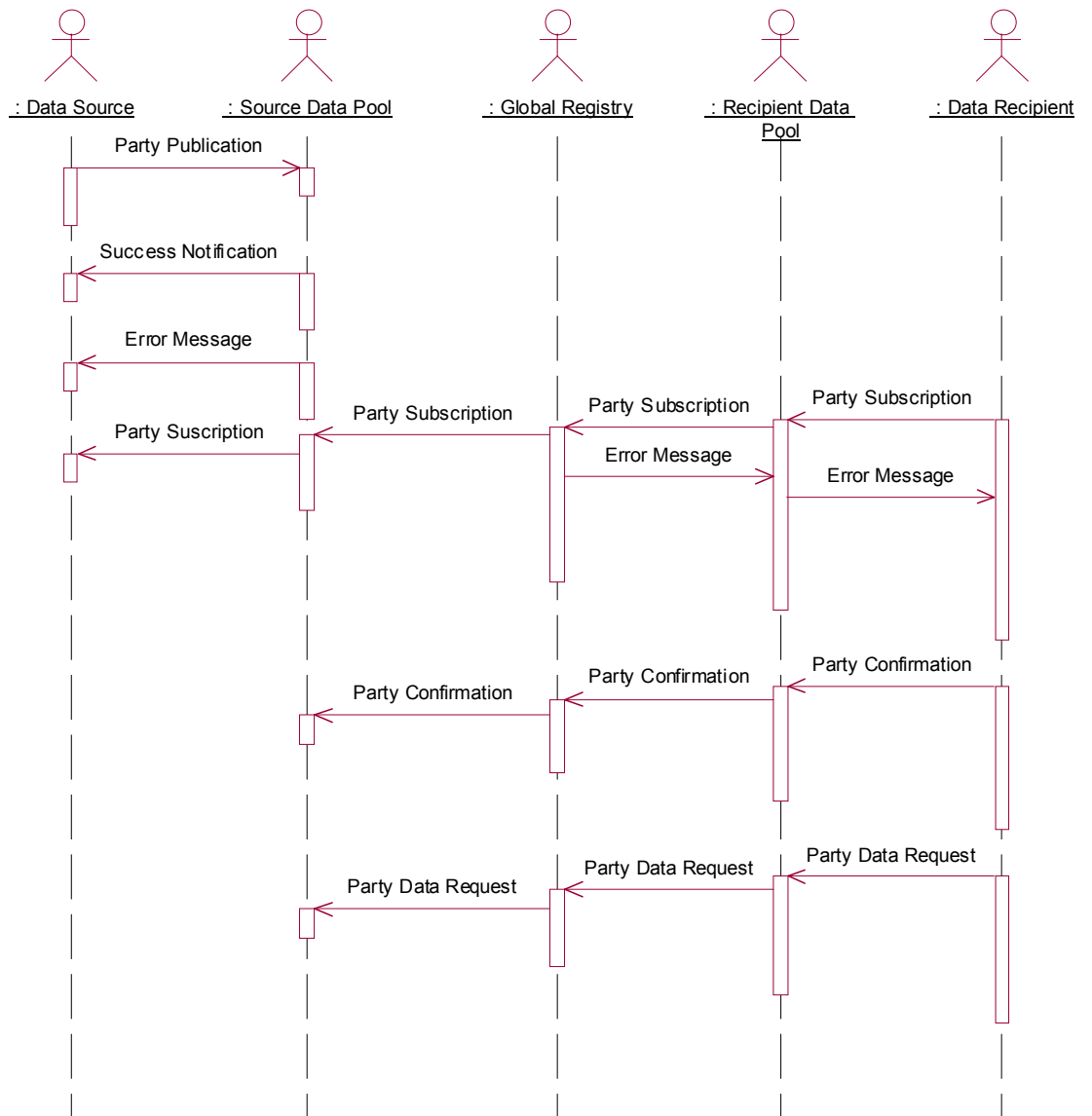


Figure 21 - Manage Party Data Distribution Criteria Sequence Diagram

2.9.10 Publish Party Data (UC-65)

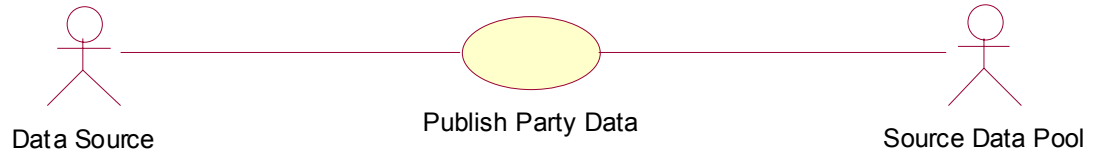


Figure 22 - Publish Party Data Use Case Diagram

Detail Use Case Name	Publish Party Data
Use Case Identifier (Traceability)	UC-65
Use Case Description	The Publish Party Data Use Case describes how a Data Source provides the Source Data Pool with the criteria under which their Party Data may be distributed to Data Recipients.
Summary Use Case	UC-53: Manage Party Data Distribution Criteria
Detail Use Cases	None
Actors	Data Source (DS) Source Data Pool (SDP)
Performance Goals	Data Source: To inform the Source Data Pool of the criteria under which their Party Data may be distributed to Data Recipients. Source Data Pool: To possess the necessary information that will allow the distribution of Party Data to the appropriate Recipient Data Pool.
Preconditions	The Party data has been loaded to the Source Data Pool and Registered in the Global Registry.
Postconditions	Publication criteria is stored in the Source Data Pool.
Scenario	<p>Begins when, the Source Data Pool receives a Publication message from a Data Source.</p> <ol style="list-style-type: none"> 1. The SDP validates the Publication criteria 2. The SDP creates or updates the Synchronisation List <p>Ends when, the Synchronisation List is created or updated.</p>
Alternative Scenario	<p>ad 1. Data Source has sent invalid data:</p> <ol style="list-style-type: none"> 1.1. The SDP sends an error message to the DS specifying what was invalid. <p>Ends when, the Data Source receives the error message</p>
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	Business Requirement # 194, 201, 203, 204, 205, 207, 212, 213, 220, 221, 223, 233, 243, 244, 245, 258

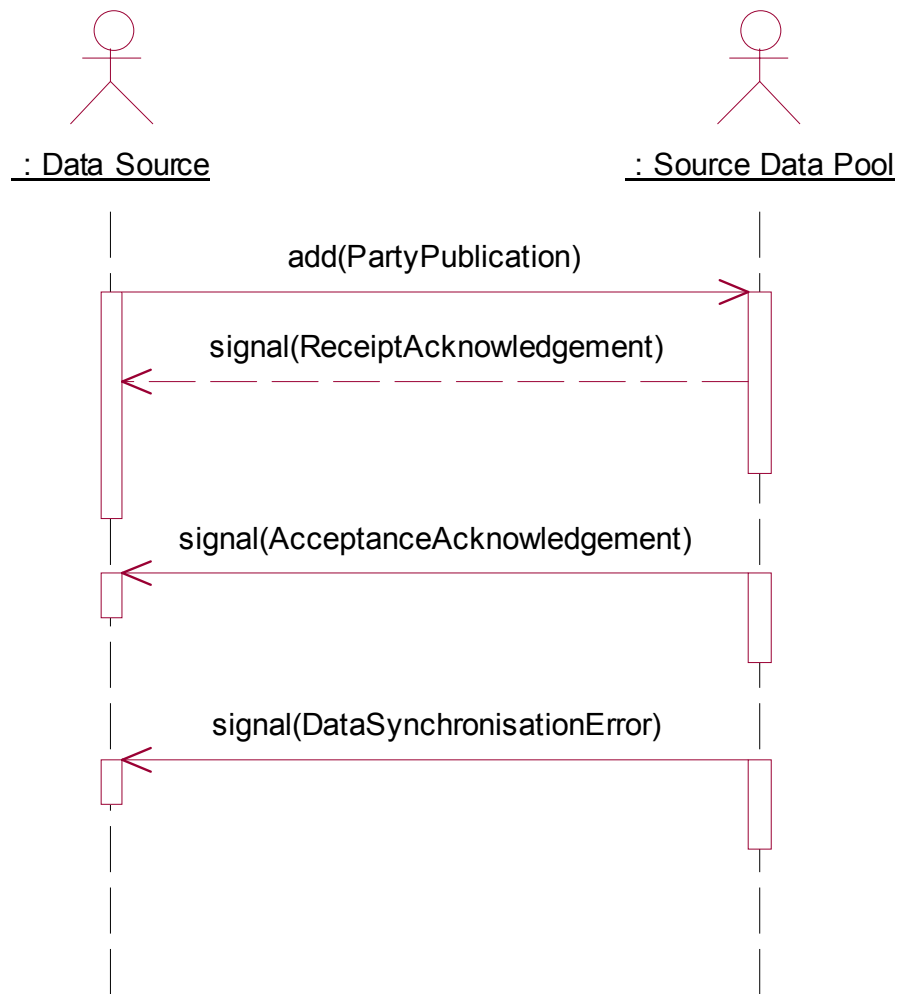


Figure 23 - Publish Party Data Sequence Diagram

2.9.11 Stop Publishing Party Data (UC-66)

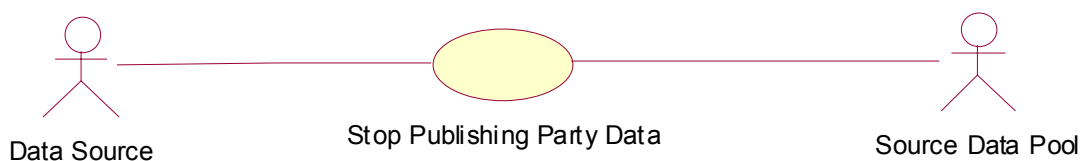


Figure 24 - Stop Publishing Party Data Sequence Diagram

Detail Use Case Name	Stop Publishing Party Data
Use Case Identifier (Traceability)	UC-66
Use Case Description	The Stop Publishing Party Data Use Case describes how a Data Source informs the Source Data Pool to delete the criteria under which their Party Data may be distributed to Data Recipients.
Summary Use Case	UC-53: Manage Party Data Distribution Criteria
Detail Use Cases	None
Actors	Data Source (DS) Source Data Pool (SDP)
Performance Goals	Data Source: To inform the Source Data Pool to delete Publication criteria and stop distributing Party Data. Source Data Pool: To possess the necessary information that will allow the Source Data Pool to eliminate distribution of Party Data from the synchronisation list.
Preconditions	The Publication exists in the Source Data Pool.
Postconditions	The Source Data Pool has stopped distributing the Party Data that was specified in the deleted Publication criteria.
Scenario	<p>Begins when, the Source Data Pool receives a request to stop Publication from a Data Source.</p> <ol style="list-style-type: none"> 1. The SDP validates that the Publication exists 2. The SDP updates the Synchronisation List 3. The SDP deletes the Publication. 4. The SDP sends a Publication stopped notification to the Data Source. <p>Ends when, the Data Source receives the Publication stopped notification</p>
Alternative Scenario	<p>ad 1. The Publication does not exist at the Source Data Pool:</p> <ol style="list-style-type: none"> 1.1. The SDP sends an error message to the DS specifying that the Publication does not exist. <p>Ends when, the Data Source receives the error message</p>
Special Requirements	N/A
Extension Points	N/A

Requirements Covered	Business Requirement # 220, 221, 223, 246, 258
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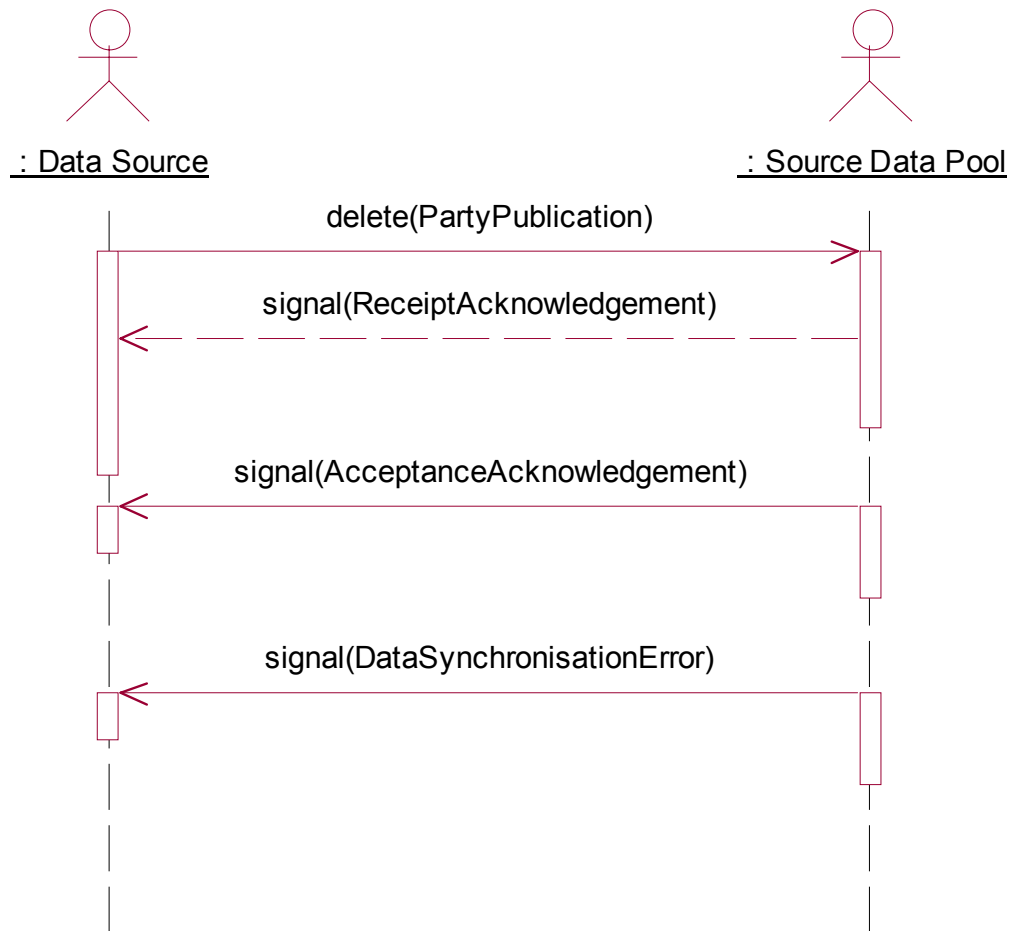


Figure 25 - Stop Publishing Party Data Sequence Diagram

2.9.12 Subscribe to Party Data (UC-67)

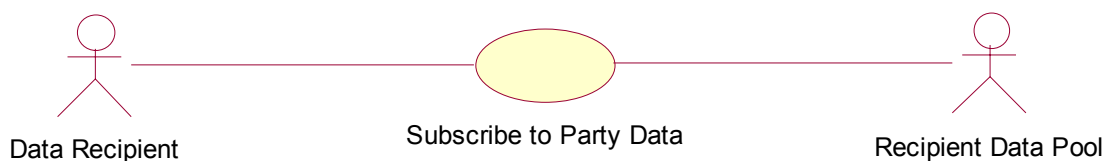


Figure 26 - Subscribe to Party Data Use Case Diagram

Detail Use Case Name	Subscribe to Party Data
Use Case Identifier (Traceability)	UC-67
Use Case Description	<p>The Subscribe to Party Data Use Case describes how a Data Recipient informs the Recipient Data Pool with the criteria under which Party Data may be distributed to the Data Recipient.</p> <p>Once the Subscription is created, the Recipient Data Pool will forward it to the Global Registry which, in turn, will forward it to appropriate Source Data Pools (see UC-73 Distribute Party Subscription Data).</p>
Summary Use Case	UC-53: Manage Party Distribution Criteria
Detail Use Cases	None
Actors	Data Recipient (DR) Recipient Data Pool (RDP)
Performance Goals	<p>Data Recipient: To inform the Recipient Data Pool of the criteria by which Party Data may be forwarded to the Data Recipient.</p> <p>Recipient Data Pool: To possess the necessary information that will allow the Recipient Data Pool to send subscriptions to the Global Registry.</p>
Preconditions	The Party data requested exists in the Global Registry
Postconditions	The Recipient Data Pool has a Subscription that can be shared with the Global Registry.
Scenario	<p>Begins when, the Recipient Data Pool receives a Party Subscription request from a Data Recipient.</p> <ol style="list-style-type: none"> 1. The RDP sends an acknowledgement of receipt to the DR 2. The RDP validates the Subscription criteria. 3. The RDP sends a notification of Subscription verified to the DR <p>Ends when, the Data Recipient acknowledges the Subscription verification notification.</p>
Alternative Scenario	<p>ad 2A. The Subscription already exists:</p> <p>2A.1. The RDP sends an error message to the DR specifying that the Subscription exists.</p> <p>Ends when, the Data Recipient receives the error message</p>

	<p>ad 2B. The validation fails: 2B.1. The RDP sends an error message to the DR specifying the criteria in error Ends when, the Data Recipient receives the error message</p>
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	Business Requirement # 195, 201, 202, 203, 205, 207, 208, 215, 216, 219, 220, 221, 223, 225, 233, 247, 248, 249, 258

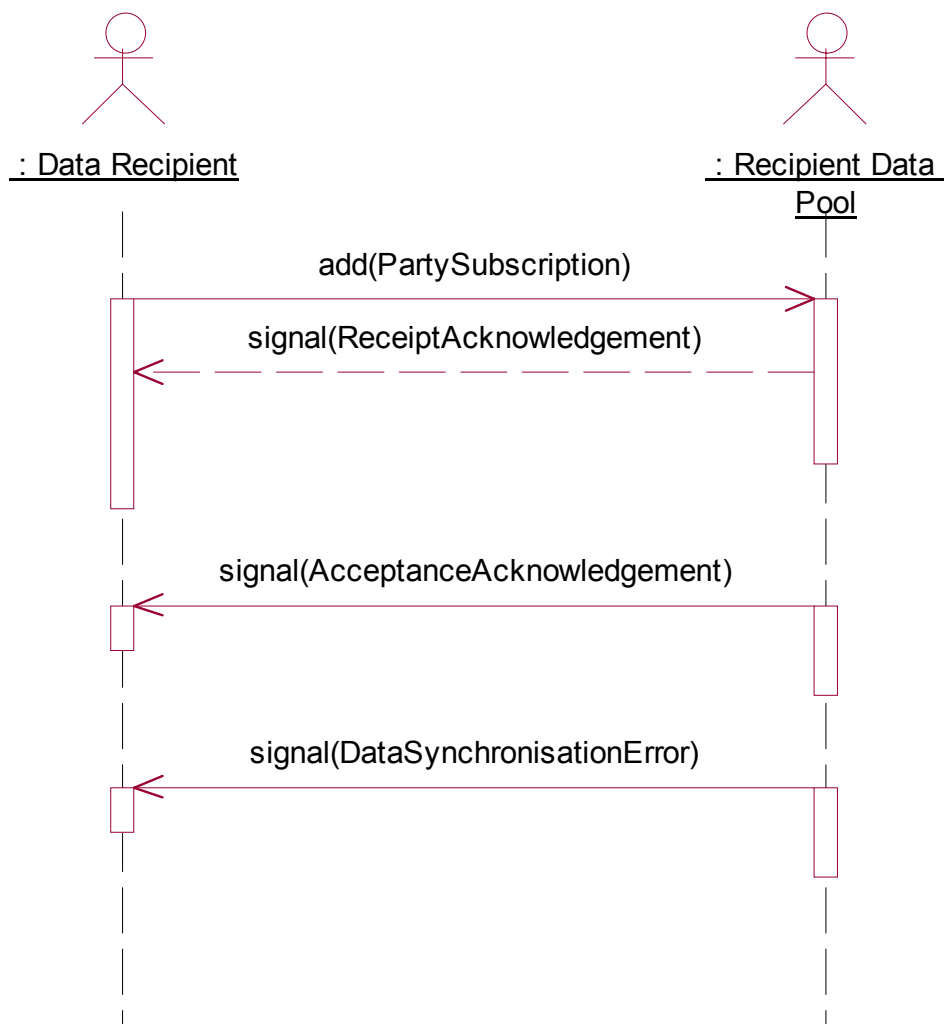


Figure 27 - Subscribe to Party Data Sequence Diagram

2.9.13 Remove Party Subscription (UC-68)



Figure 28 - Remove Party Subscription Use Case Diagram

Detail Use Case Name	Remove Party Subscription	
Use Case Identifier (Traceability)	UC-68	
Use Case Description	<p>The Remove Party Subscription Use Case describes how a Data Recipient informs the Recipient Data Pool to delete a subscription for Party Data.</p> <p>Once the Subscription is removed, the Recipient Data Pool will forward the removal information to the Global Registry which, in turn, will forward it to appropriate Source Data Pools (see UC-73 Distribute Party Subscription Data).</p> <p>The Source Data Pools will remove the subscription. Thereafter, the Source Data Pools will not send Party data to the Data Recipient (via their Recipient Data Pool). The removal of a subscription does not affect the Synchronisation list held by the Source Data pool. The Data Recipient will continue to receive changes, corrections and deletions based on the Synchronisation List for existing Party data. (See UC-69 Confirm Party Data for rejection of existing Party data)</p>	
Summary Use Case	UC-53: Manage Party Data Distribution Criteria	
Detail Use Cases	None	
Actors	Data Recipient (DR) Recipient Data Pool (RDP)	
Performance Goals	<p>Data Recipient: To inform the Recipient Data Pool of the removal of a subscription. Eventually (via the Distribute Party Data Use Case 73) stopping Party data from being forwarded.</p> <p>Recipient Data Pool: To possess the necessary information that will allow the Recipient Data Pool and appropriate Source Data Pools to stop distributing Party Data to the Data Recipient.</p>	
Preconditions	The Data recipient has a Subscription held by the Recipient Data Pool.	
Postconditions	The Subscription no longer exists in the Recipient Data Pool, the Registry, or Source Data Pool.	
Scenario	Begins when, the Recipient Data Pool receives a request from the Data Recipient to remove a Party Subscription.	

	<ol style="list-style-type: none">1. The RDP acknowledges receipt of request to the DR2. The RDP validates that the Subscription exists.3. The RDP sends notification of removed subscription to the DR <p>Ends when, the Data Recipient acknowledges the Subscription removed notification.</p>
Alternative Scenario	<p>ad 2. The Subscription does not exist:</p> <ol style="list-style-type: none">2.1. The RDP sends an error message to the DR specifying that the Subscription does not exist. <p>Ends when, the Data Recipient receives the error message</p>
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	Business Requirement # 219, 220, 221, 223, 250, 258

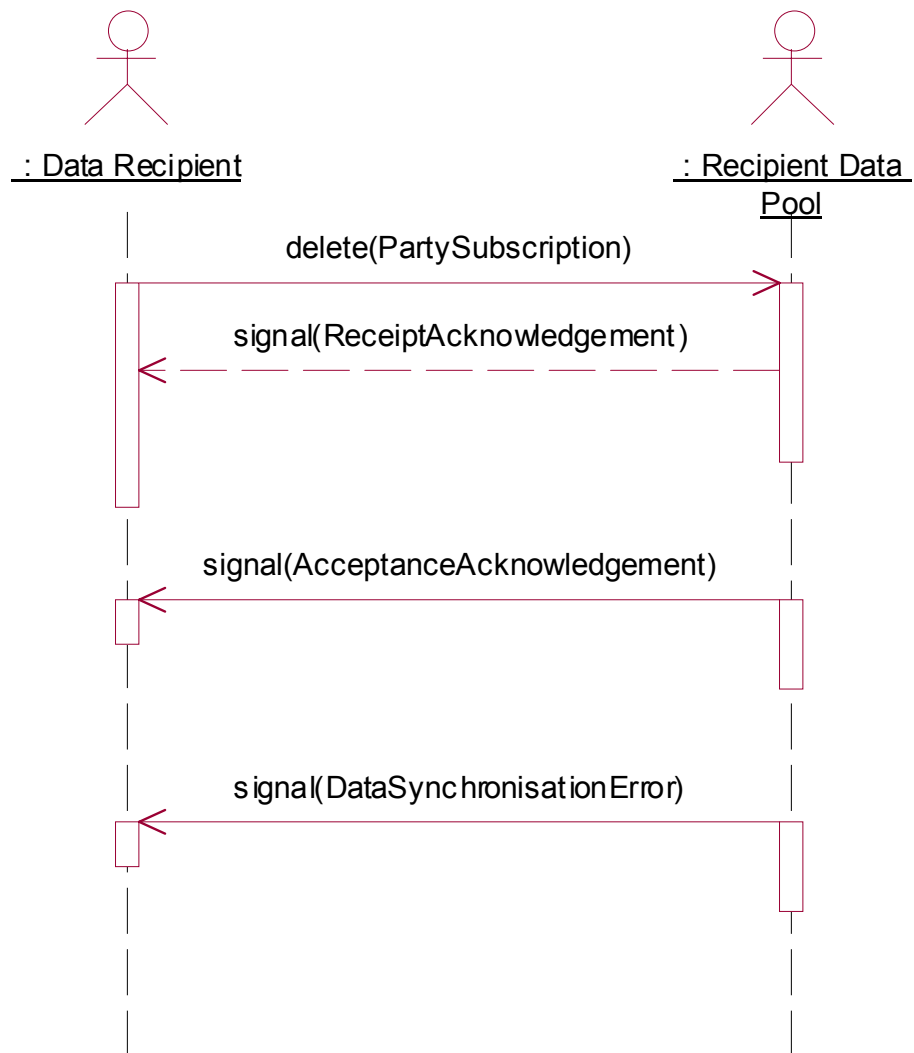


Figure 29 - Remove Party Subscription Sequence Diagram

2.9.14 Confirm Party Data (UC-69)



Figure 30 - Confirm Party Data Use Case Diagram

Detail Use Case Name	Confirm Party Data
Use Case Identifier (Traceability)	UC-69
Use Case Description	<p>The Confirm Party Data Use Case describes how a Data Recipient informs the Recipient Data Pool of its intentions regarding the Party Data.</p> <p>This communication from the Data Recipient to the Recipient Data Pool indicates what action has been taken on the party data. The confirmation process occurs in the recipient's data pool. Confirmation is not mandatory. When used, it provides for the following outcomes:</p> <ol style="list-style-type: none"> 1. Synchronised: data is integrated, in synch and added to the synchronisation list. 2. Accepted: data is added to the synchronisation list and will be in synch. 3. Rejected: data will no longer be synchronised or updates will no longer be provided. 4. Review: a request to the data source to "review" their data because the data recipient has received discrepant data which they cannot synchronise. If the data was previously synchronised, it will be removed from the synchronisation list. 5. In the absence of a confirmation, the Recipient Data Pool will continue to receive updates intended with the publication process. <p>In addition, this communication from the Data Recipient to the Recipient Data Pool must include the Global Location Number of:</p> <p>Data Recipient: The GLN of the Data Recipient prepared to synchronise the Party data.</p> <p>Confirmed Party GLN: The GLN of the specific Party data that will be synchronized.</p> <p>And may include:</p> <p>Data Source: The GLN of the Data Source who has registered the Party data.</p> <p>Refer to UC-74, Distribute Party Confirmation Data for additional process definition within the Global Data Synchronisation Network.</p>

Summary Use Case	UC-53: Manage Party Data Distribution Criteria
Detail Use Cases	None
Actors	Data Recipient (DR) Recipient Data Pool (RDP)
Performance Goals	<p>Data Recipient: To inform the Recipient Data Pool of its intentions regarding the Party Data. This Use Case triggers UC-74, Distribute Party Confirmation Data with additional process definition within the GDSN.</p> <p>Recipient Data Pool: To possess the necessary information that will allow the Recipient Data Pool and appropriate Source Data Pools to distribute Party Data to the Recipient.</p>
Preconditions	The Data recipient has received Party data.
Postconditions	The Recipient Data Pool is aware of the Data Recipient's intentions regarding specific Party Data. UC-74, Distribute Party Confirmation Data, is triggered by this awareness.
Scenario	<p>Begins when, the Data Recipient sends a Party Data Confirmation to the Recipient Data Pool.</p> <ol style="list-style-type: none"> 1. The RDP sends acknowledgement of receipt to the DR 2. The RDP validates the Confirmation message. 3. The RDP notifies DR of validation of the Confirmation message. <p>Ends when, the Data Recipient receives the validation notification from Recipient Data Pool.</p>
Alternative Scenario	<p>ad 2. The Confirmation message is invalid:</p> <ol style="list-style-type: none"> 2.1. The RDP sends an error message to the DR <p>Ends when, the Data Recipient receives the error message</p>
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	Business Requirement # 207, 214, 217, 220, 221, 223, 239, 240, 241, 242, 258

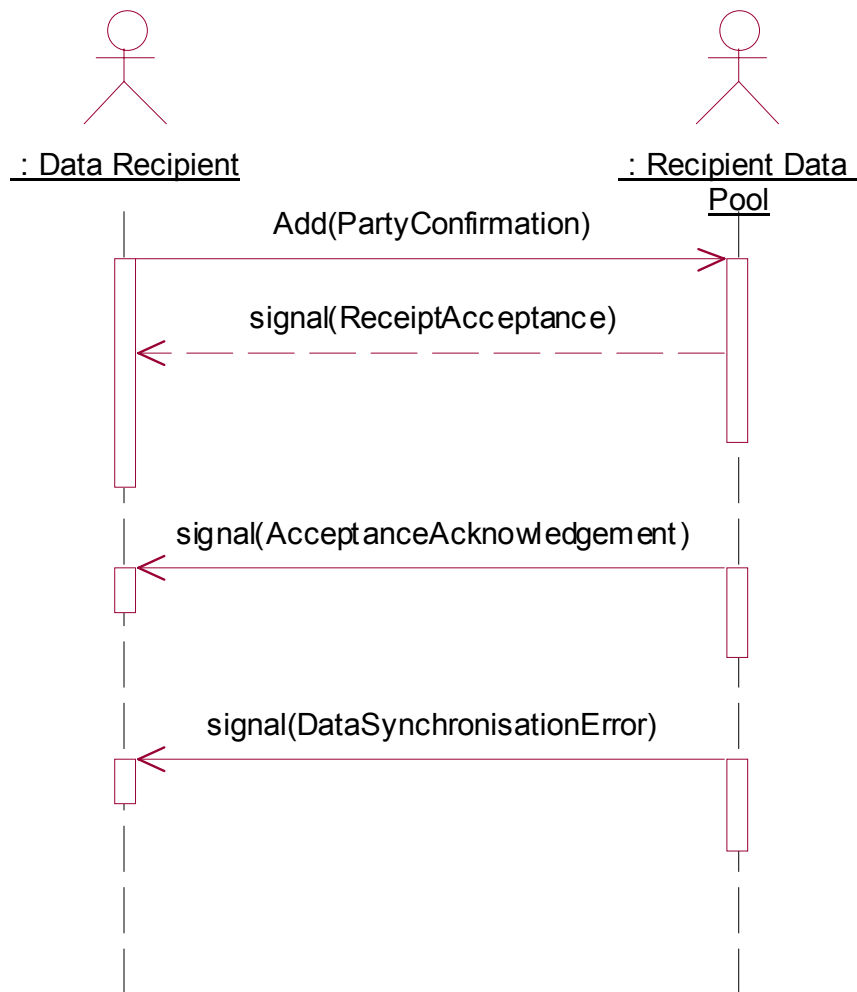


Figure 31 - Confirm Party Data Sequence Diagram

2.9.15 Request Party Data (UC-72)

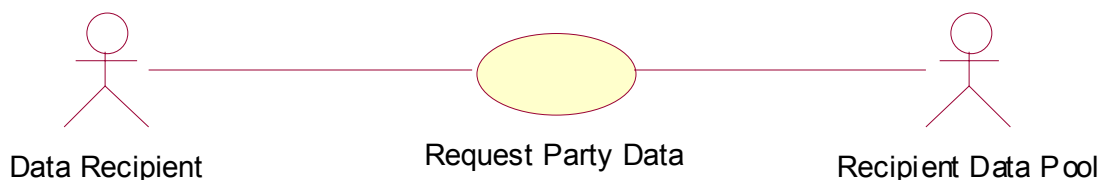


Figure 32 - Request Party Data Use Case Diagram

Detail Use Case Name	Request Party Data
Use Case Identifier (Traceability)	UC-72
Use Case Description	<p>The Request Party Data Use Case describes the process a Data Recipient and it's Recipient Data Pool follows to receive previously sent Party data based on subscription criteria. This Use Case makes use of the Request for Party Notification message and triggers UC-77.</p> <p>This request is similar to a subscription with the difference being that the Global Registry need not retain the request once all relevant Source Data Pools receive the message, and is defined in UC-77, Distribute Party Data.</p> <p>The Party Notification, in response to this request, MUST have the attribute "isReload" equal to TRUE.</p>
Summary Use Case	UC-53: Manage Party Data Distribution Criteria
Detail Use Cases	None
Actors	Data Recipient (DR) Recipient Data Pool (RDP)
Performance Goals	<p>Data Recipient: To inform the Recipient Data Pool that it would like specific Party data to be resent.</p> <p>Recipient Data Pool: To possess the necessary information that will allow the Recipient Data Pool and appropriate Source Data Pools to re-distribute Party Data to the Recipient.</p>
Preconditions	The Data Recipient has received Party data.
Postconditions	The Recipient Data Pool is aware that specific Party data is to be re-distributed to the Data Recipient.
Scenario	<p>Begins when, the Data Recipient sends a Request For Party Notification to the Recipient Data Pool.</p> <ol style="list-style-type: none"> 1. The RDP sends an acknowledgement of receipt to the DR 2. The RDP validates the request message. 3. The RDP notifies DR of validation of the request <p>Ends when, the Data Recipient receives the validation notification.</p>

Alternative Scenario	ad 2. The request message is invalid: 2.1. The RDP sends an error message to the DR specifying the errors. Ends when, the Data Recipient receives the error message
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	Business Requirement # 220, 221, 223, 251, 252, 258

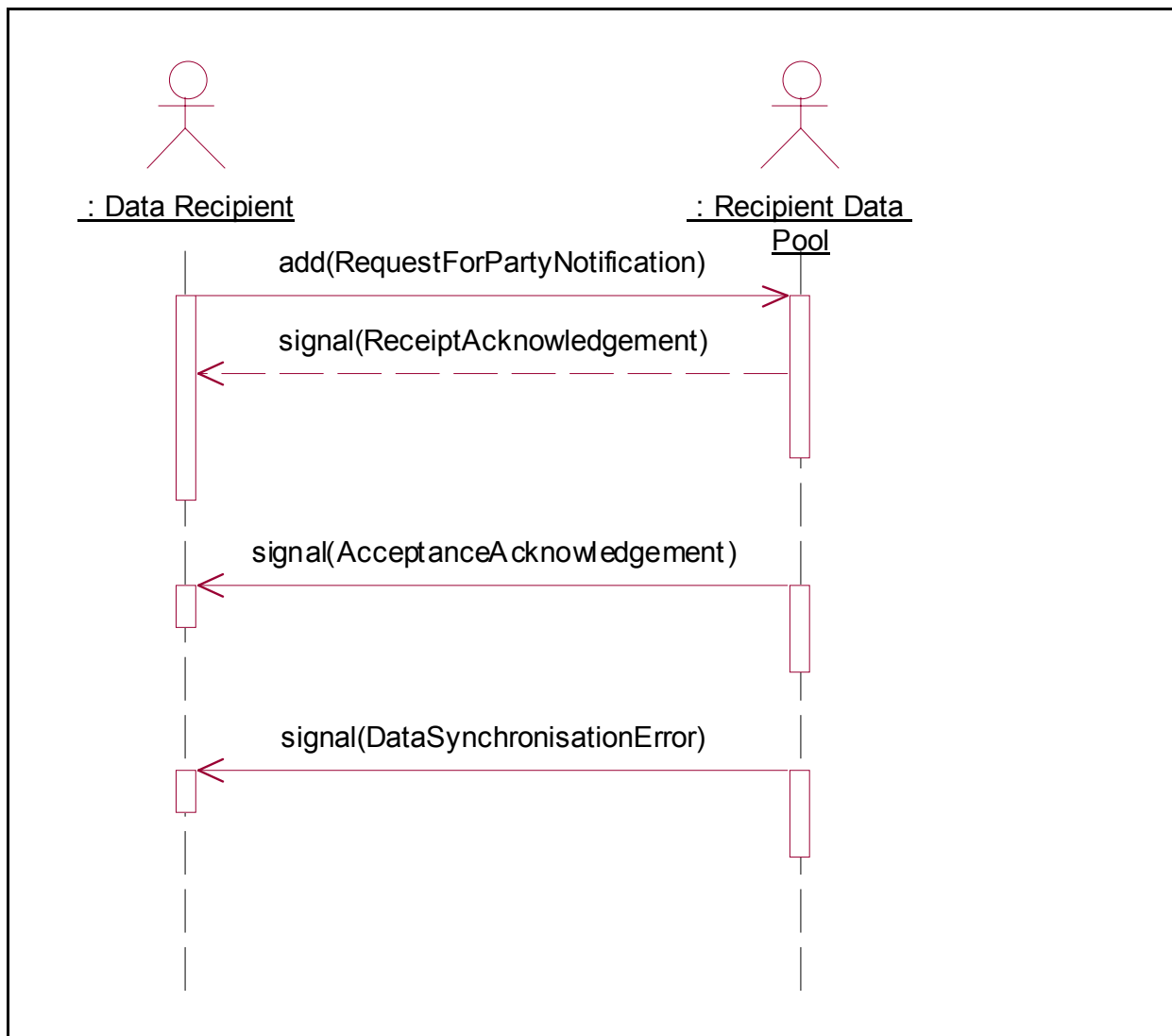


Figure 33 - Request Party Data Sequence Diagram

2.9.16 Create Party Synchronisation List (UC-78)



Figure 34 - Create Party Synchronisation List Use Case Diagram

Detail Use Case Name	Create Party Synchronisation List
Use Case Identifier (Traceability)	UC-78
Use Case Description	<p>The Synchronisation list is the means by which a Source Data Pool determines the Party Data that is to be sent to a Data Recipient (via the Recipient's Recipient Data Pool). The Synchronisation list is created based on Publications, Subscriptions and Confirmations. Each one of these actions identifies the criteria used by the "Distribute Party Data from SDP to RDP" (UC-75) and "Distribute Party Data from RDP to Data Recipient" (UC-76) Use Cases.</p>
Summary Use Case	UC-53: Manage Party Data Distribution Criteria
Detail Use Cases	None
Actors	Source Data Pool (SDP)
Performance Goals	Source Data Pool: To determine which Recipient should be sent what Party data.
Preconditions	Publications, Subscriptions and Confirmations exist in the Source Data Pool.
Postconditions	The Synchronisation List is created and used to direct the Source Data Pool in moving appropriate Party data to Recipient Data Pools.
Scenario	<p>Begins when, the Source Data Pool identifies all criteria from Publications, Subscriptions, Confirmations, and changes or corrections to Party Data.</p> <ol style="list-style-type: none"> 1. The SDP is responsible for identifying source GLN's, RDP GLN's, and DR GLN's from the criteria in Publications, Subscriptions, Confirmations, and changes or corrections to Party Data. 2. The SDP creates the synchronisation list based on the criteria. <p>Ends when, the Synchronisation List is complete.</p>
Alternative Scenario	None
Special Requirements	N/A
Extension	N/A

Points	
Requirements Covered	Business Requirement # 220, 221, 223, 253, 258

2.9.17 Distribute Request for Party Data (UC-70)

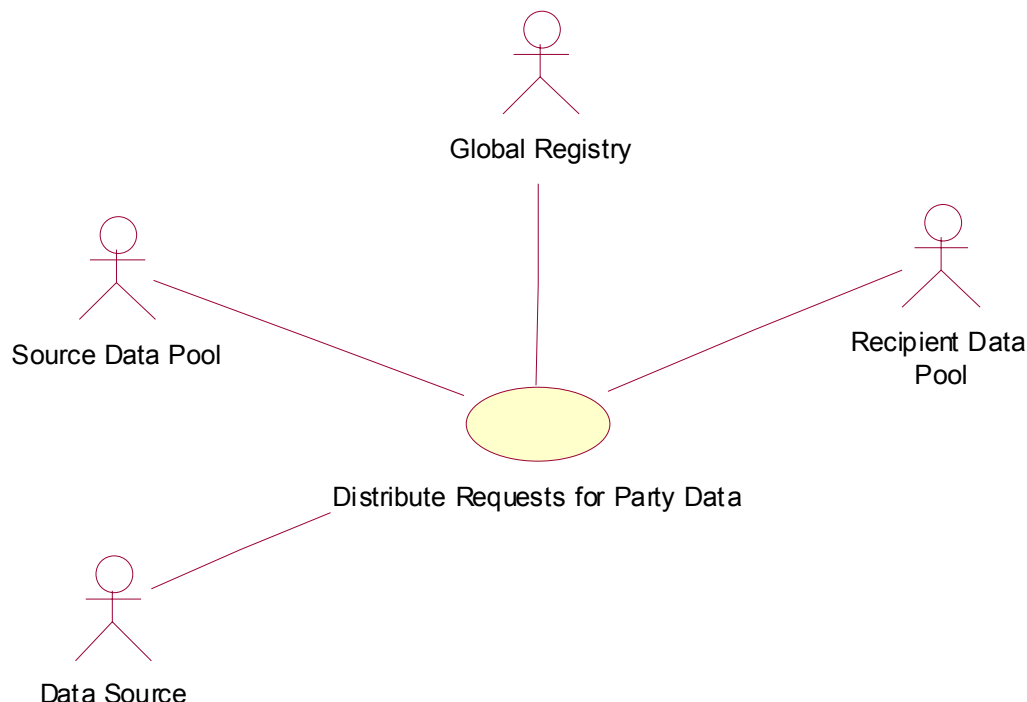


Figure 35 - Distribute Requests for Party Data Use Case Diagram

Summary Use Case Name	Distribute Requests for Party Data
Use Case Identifier (Traceability)	UC-70
Use Case Description	<p>This Use Case describes the processes that need to take place for Publications, Subscriptions and Confirmations to be moved throughout the Global Data Synchronisation Network.</p> <p>As a Summary Use Case, specific processes will be further defined in the Detail Use Cases identified below.</p>
Process Use Case	UC-50: Synchronise Party Data
Detail Use Cases	UC-73: Distribute Party Subscription Data UC-74: Distribute Party Confirmation Data UC-77: Distribute Request for Party Notification
Actors	Data Source (DS) Source Data Pool (SDP) Global Registry (GR) Recipient Data Pool (RDP) Data Recipient (DR)
Performance Goals	Data Source: To be informed of all data recipient requests. Source Data Pool: To have the proper criteria (Publications, Subscriptions

	<p>and Confirmations) to allow distribution of Party data to Data Recipients (via their Recipient Data Pool).</p> <p>Global Registry: To be able to distribute Party Subscriptions to the proper Source Data Pools.</p> <p>Recipient Data Pool: To ensure Party Subscriptions match the data that is being sent by Source Data Pools.</p> <p>Data Recipients: To receive the type and volume of Party data requested.</p>
Preconditions	The Data recipient has either created or removed a Subscription in their Recipient Data Pool or has received Party data.
Postconditions	The Global Registry, Source Data Pool and Data Source have received the request for distribution.
Scenario	<p>Begins when, Data Recipient creates subscription</p> <ol style="list-style-type: none"> 1. RDP sends Party Subscription to SDP 2. SDP notifies DS of subscription criteria <p>Ends when, Data Source receives Subscription notification. See Detail Use Cases for specific process scenarios.</p>
Alternative Scenario	N/A
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	SEE DETAIL USE CASE #'S 73, 74 & 77 FOR BUSINESS REQUIREMENTS

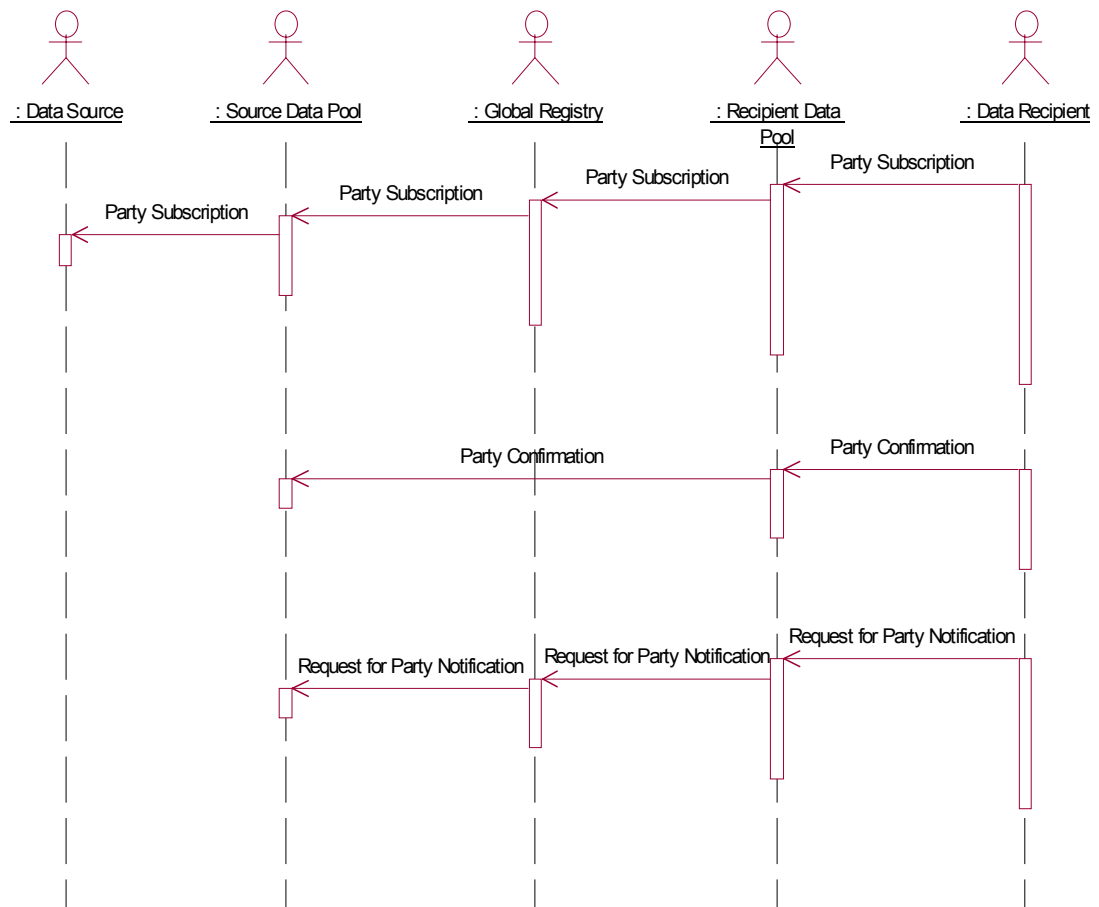


Figure 36 - Distribute Requests for Party Data Sequence Diagram

2.9.18 Distribute Party Subscription Data (UC-73)

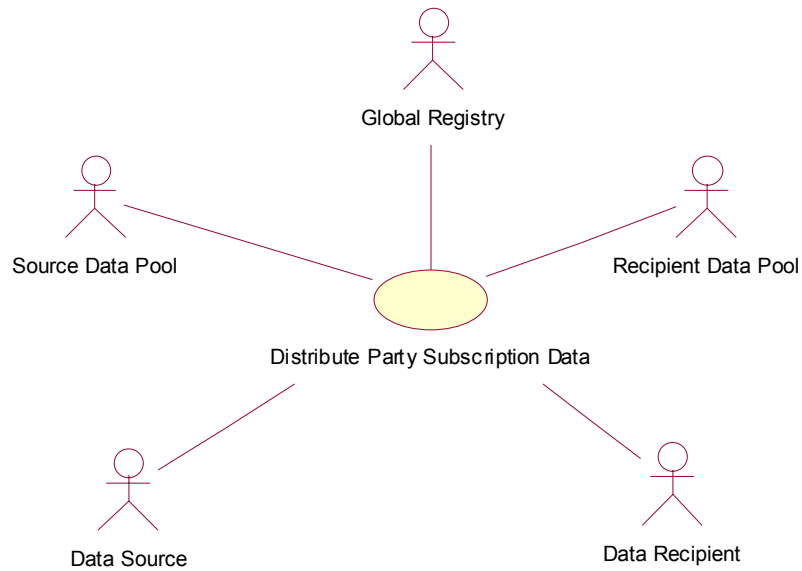


Figure 37 - Distribute Party Subscription Data Use Case Diagram

Detail Use Case Name	Distribute Party Subscription Data	
Use Case Identifier (Traceability)	UC-73	
Use Case Description	The Distribute Party Subscription Data Use Case describes how Subscriptions are disbursed throughout the Global Data Synchronisation Network.	
Summary Use Case	UC-70: Distribute Requests for Party Data	
Detail Use Cases	None	
Actors	Data Recipient (DR) Recipient Data Pool (RDP) Global Registry (GR) Source Data Pool (SDP) Data Source (DS)	
Performance Goals	Data Recipient:	To share Subscriptions with the appropriate Source Data Pools and Data Sources.
	Recipient Data Pool:	To possess the necessary information that will allow the Recipient Data Pool and appropriate Source Data Pools to distribute Party Data to the Recipient.
	Global Registry:	To disburse Subscriptions to appropriate Data Pools.
	Source Data Pool:	To possess the necessary information that will allow the Source Data Pool to distribute Party Data to the Recipient (via their Recipient Data Pool).
	Data Source:	To retain current and potential customer's usage of

	Party Data.
Preconditions	The Data recipient has created a Subscription within their Recipient Data Pool.
Postconditions	The Subscription is disbursed to the Global Registry and relative Source Data Pools and Data Sources.
Scenario	<p>Begins when, the Recipient Data Pool receives a Party Subscription from a Data Recipient and has validated it.</p> <ol style="list-style-type: none"> 1. The RDP sends the Subscription to the GR. 2. The GR validates the message. 3. The GR matches the subscription to Party data in the GR. 4. The GR sends the Subscription to the relative SDP 5. The SDP notifies the relative DS of the Subscription. <p>Ends when, the Data Source acknowledges the Subscription request.</p>
Alternative Scenario	<p>ad 1. New Party data is added to the Global Registry:</p> <ol style="list-style-type: none"> 1.1 The GR matches the new Party data against existing Subscriptions. 1.2 The GR sends all matching Subscriptions to the SDP of the new Party data. 1.3 The SDP forwards the Subscription to the DS that added the Party data. <p>Ends when, the Data Source sends an acknowledgement of the Subscription with a Publication</p> <p>ad 2. The Subscription fails validation at the Global Registry:</p> <ol style="list-style-type: none"> 2.1. The GR sends an error message to the RDP. 2.2. The RDP sends an error message to the DR. <p>Ends when, the Data Recipient receives the error message</p>
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	Business Requirement # 194, 205, 220, 221, 223, 255, 256, 258

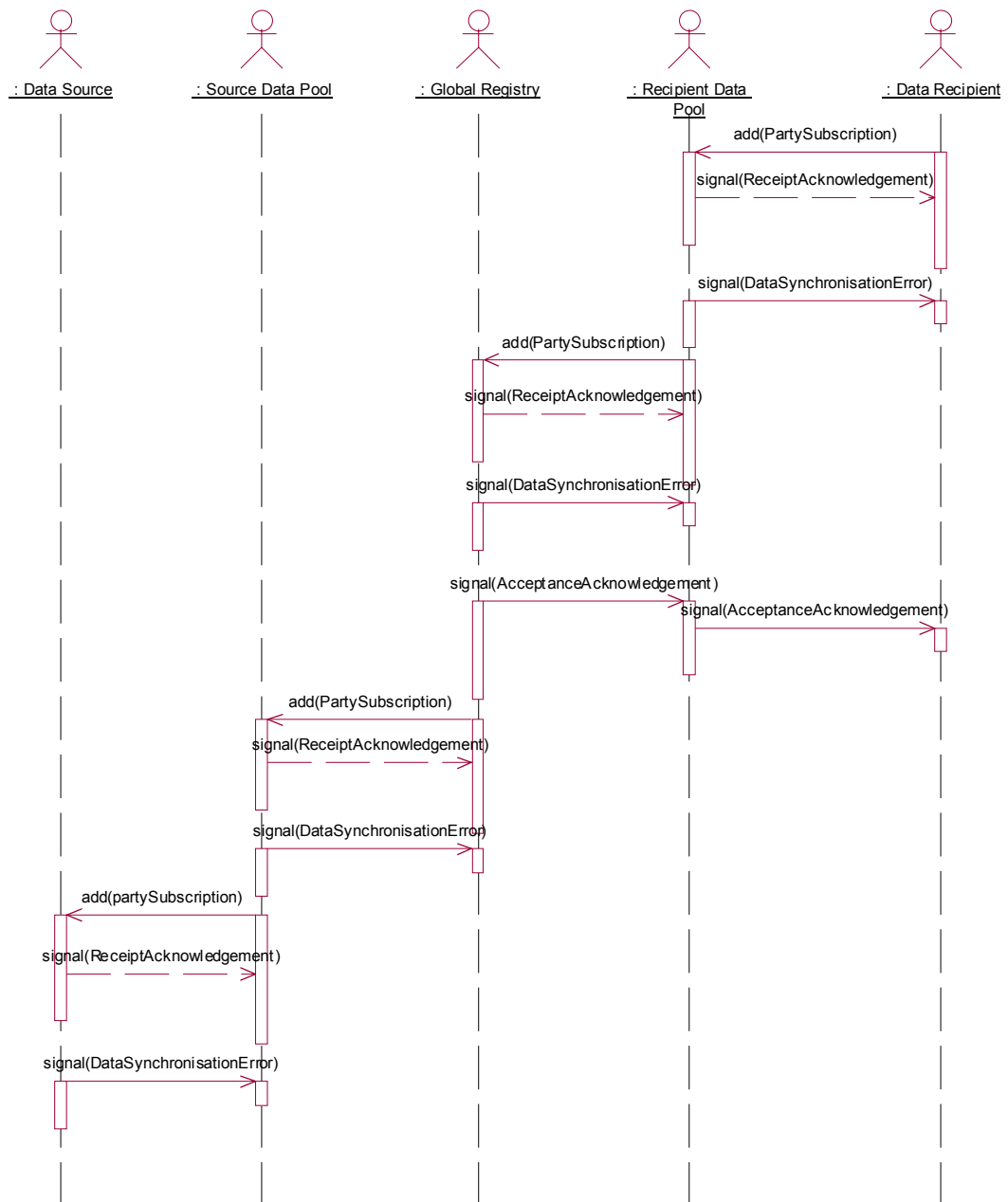


Figure 38 - Distribute Party Subscription Data Sequence Diagram

2.9.19 Distribute Party Confirmation Data (UC-74)

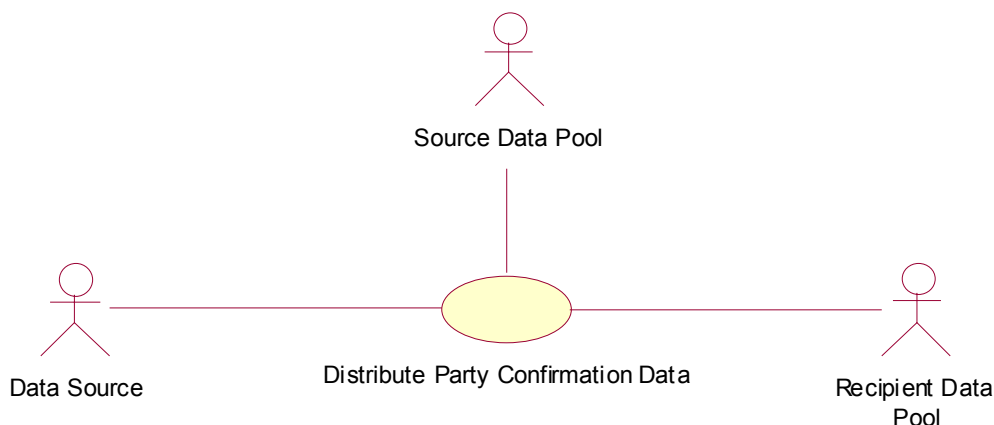


Figure 39 - Distribute Party Confirmation Data Use Case Diagram

Detail Use Case Name	Distribute Party Confirmation Data
Use Case Identifier (Traceability)	UC-74
Use Case Description	<p>The Distribute Party Confirmation Data Use Case describes how the Data Recipient informs the Source Data pool of the status of an individual Party Data synchronisation that was the result of a Publication / Subscription match.</p> <p>The confirmation process occurs in the recipient's data pool. Confirmation is not mandatory. When used, it provides for the following outcomes:</p> <ol style="list-style-type: none"> 1. Synchronised: data is integrated, in synch and added to the synchronisation list. 2. Accepted: data is added to the synchronisation list and will be in synch. 3. Rejected: data will no longer be synchronised or updates will no longer be provided. 4. Review: a request to the data source to "review" their data because the data recipient has received discrepant data which they cannot synchronise. If the data was previously synchronised, it will be removed from the synchronisation list. 5. In the absence of a confirmation, the Source Data Pool will continue to send updates to the Recipient Data Pool. Confirmations are passed to the Source Data Pool from the Recipient Data Pool.
Summary Use Case	UC-70: Distribute Requests for Party Data
Detail Use Cases	None
Actors	Recipient Data Pool (RDP)

	Source Data Pool (SDP) Data Source (DS)
Performance Goals	<p>Recipient Data Pool: To possess the necessary information that will allow the Recipient Data Pool and appropriate Source Data Pools to distribute Party Data to the Recipient.</p> <p>Source Data Pool: To possess the necessary information that will allow the Source Data Pool to distribute Party Data to the Data Recipient (via their Recipient Data Pool).</p> <p>Data Source: To possess the necessary information to identify the intent of the Data Recipient.</p>
Preconditions	The Data recipient has created a Subscription in their Recipient Data Pool and has received Party data.
Postconditions	In the case of a "Rejection", the Data Recipient no longer receives updates to the specific Party. For all other authorizations, the Source Data Pool is aware of the Data Recipient's intentions regarding the Party data.
Scenario	<p>Begins when, the Data Recipient sends a Confirmation message to the Recipient Data Pool</p> <ol style="list-style-type: none"> 1. The RDP sends the Confirmation to the SDP. 2. The SDP validates the message. 3. The SDP matches the Confirmation with the Recipient's Synchronisation List. 4. The SDP applies the state to the DR Synchronisation List. 5. The SDP notifies the DS of the Confirmation status. 6. The DS acknowledges receipt of the notification 7. The SDP forwards Confirmation Acknowledgement to the RDP. 8. The RDP forwards the acknowledgement of receipt to the DR. <p>Ends when, the Data Recipient acknowledges the Recipient Data Pool's notification.</p>
Alternative Scenario	<p>ad 2. The Confirmation message does not pass validation:</p> <ol style="list-style-type: none"> 2.1 The SDP sends an error message to the RDP. 2.2 The RDP notifies the DR of the error message. <p>Ends when, the Data Recipient receives notification of the error message</p>
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	Business Requirement # 220, 221, 223, 258



Figure 40 - Distribute Party Confirmation Data Sequence Diagram

2.9.20 Distribute Request for Party Notification (UC-77)

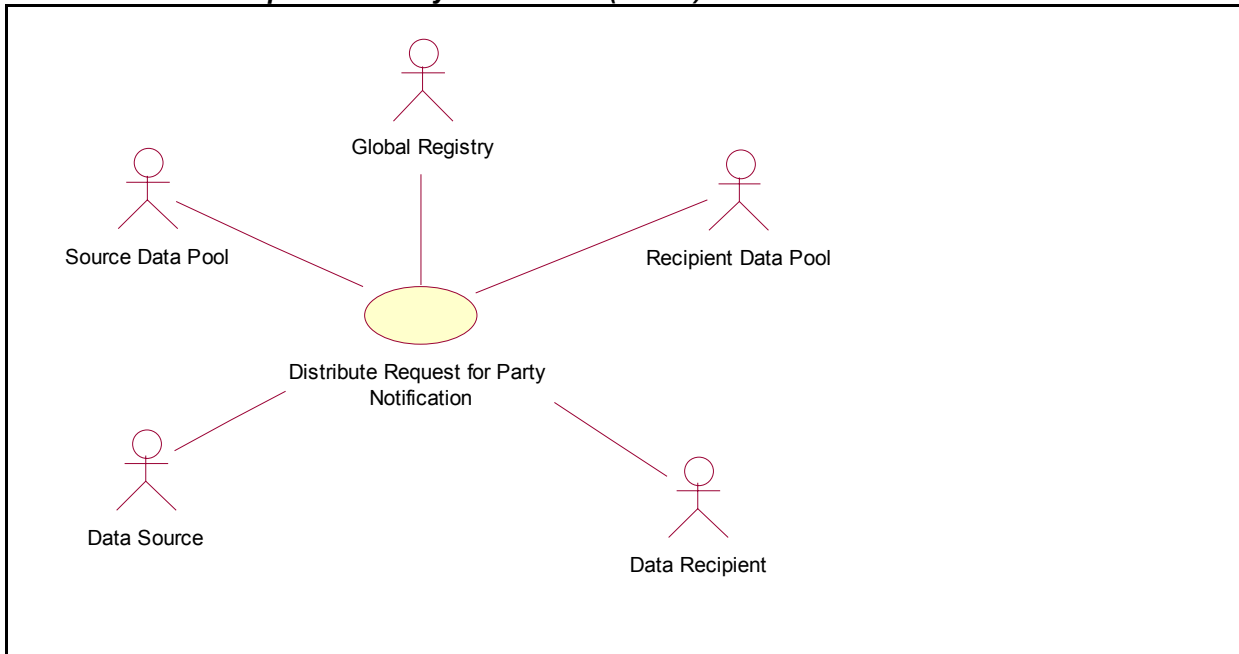


Figure 41 - Distribute Request for Party Notification Use Case Diagram

Detail Use Case Name	Distribute Request for Party Notification
Use Case Identifier (Traceability)	UC-77
Use Case Description	<p>The Distribute Request for Party Notification Use Case describes how the request is passed from Data Recipient through the Global Data Synchronisation Network to the Data Source.</p> <p>This Use Case makes use of the Request For Party Notification message. This message is similar to the Party Subscription with the “isReload” attribute equal to TRUE. The reload flag equal to TRUE is required with the Party Notification message to allow the Data Recipient to process it differently than a normal notification. The Request For Party Notification message is also different from a Party Subscription message in that it is not retained in the Global Registry after the Source Data Pools have received it.</p>
Summary Use Case	UC-70: Distribute Requests for Party Data
Detail Use Cases	None
Actors	Data Recipient (DR) Recipient Data Pool (RDP) Global Registry (GR) Source Data Pool (SDP) Data Source (DS)
Performance Goals	Data Recipient: To request that previously distributed Party data be resent. Recipient

	<p>Data Pool: To possess the necessary information that will allow the Recipient Data Pool to distribute Party Data to the Recipient.</p> <p>Global Registry: To forward to appropriate Source Data Pools all requests from Data Recipients.</p> <p>Source Data Pool: To possess the necessary information that will allow the Source Data Pool to distribute Party Data to the Recipient (via their Recipient Data Pool).</p> <p>Data Source: To be aware of all usages of supplied data.</p>
Preconditions	The Data recipient has created a Subscription in their Recipient Data Pool and has received Party data.
Postconditions	The request is passed to the Global Registry, appropriate Source Data pools and the Data Source.
Scenario	<p>Begins when, the Data Recipient sends a Request for Party Notification to the Recipient Data Pool</p> <ol style="list-style-type: none"> 1. The RDP sends the Request For Party Notification to the GR. 2. The GR matches the Request with the relevant SDP. 3. The GR sends the request to the relevant SDP. 4. The SDP notifies DS of the request for Party Notification. <p>Ends when, the Data Source acknowledges receipt of the request.</p>
Alternative Scenario	N/A
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	Business Requirement # 220, 221, 223, 255, 256, 258

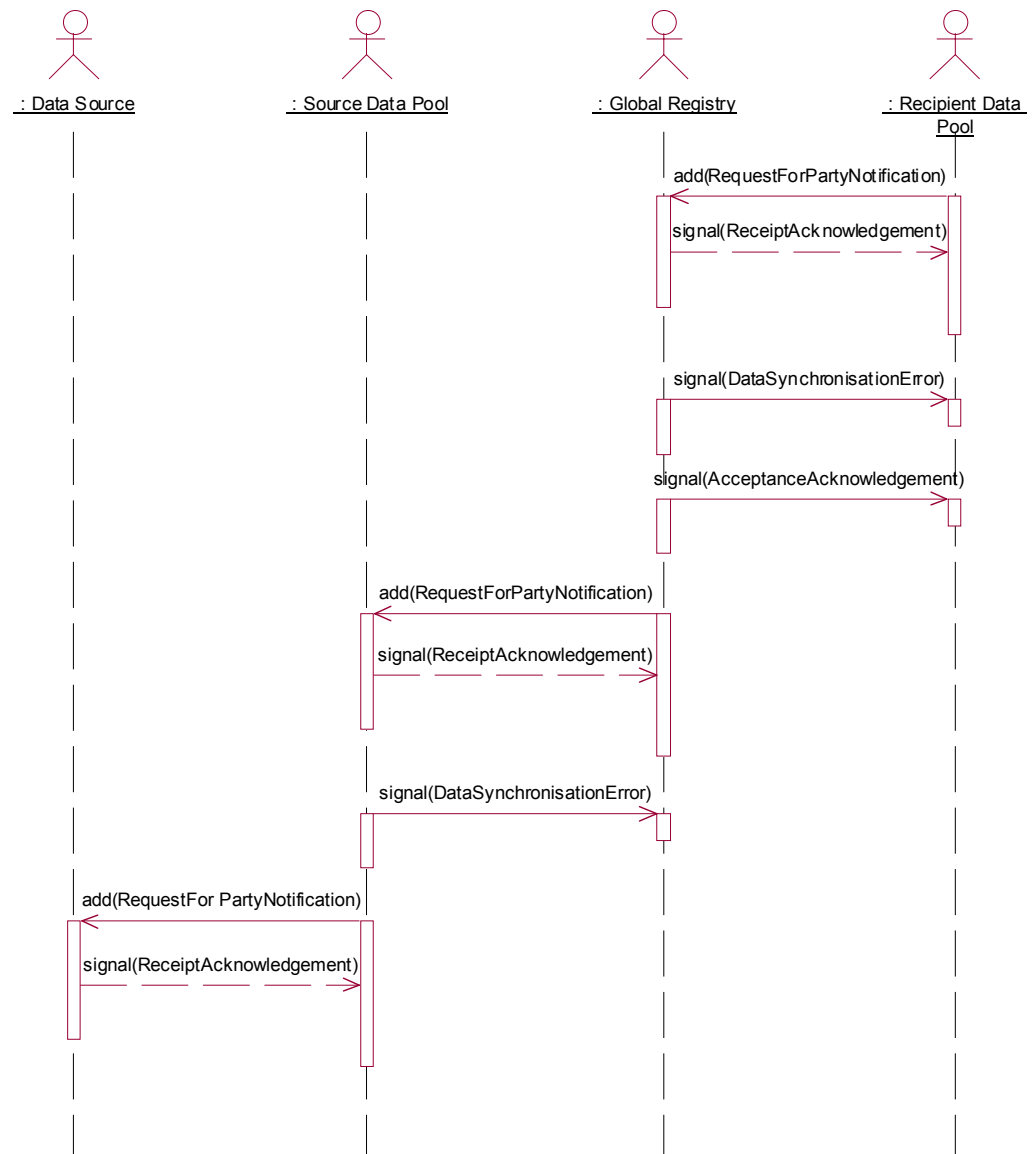


Figure 42 – Distribute Request for Party Notification Sequence Diagram

2.9.21 Distribute Party Data (UC-71)

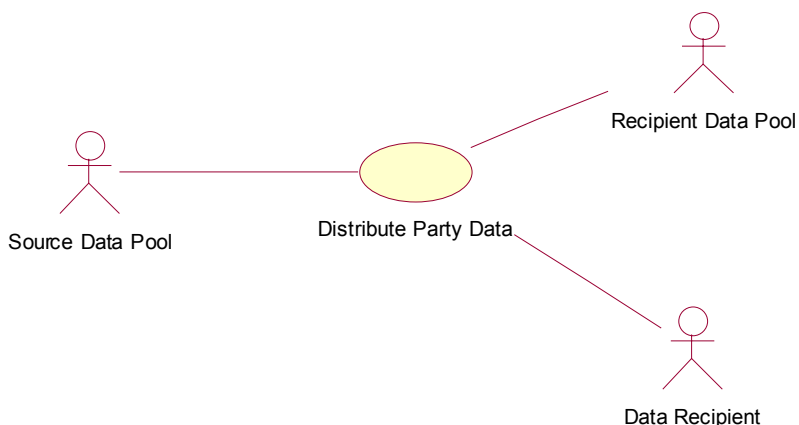


Figure 43 - Distribute Party Data Use Case Diagram

Summary Use Case Name	Distribute Party Data
Use Case Identifier (Traceability)	UC-71
Use Case Description	<p>Using the Distribution Criteria, the Party Data is distributed from SDP to RDP and finally, to the Data Recipient.</p> <p>The Party Notification contains the state of the Party Data with the following values:</p> <p>Canceled – A term describing a maintenance function used to communicate that a Party GLN was not introduced into the complete GDSN, allowing for reuse of the GLN in accordance with the EAN.UCC GLN Allocation rules.</p> <p>Discontinued – A term describing a maintenance function used to communicate the permanent removal of a Party GLN and data from the GDSN, beginning the trigger to track the EAN.UCC retention period for GLN reuse.</p> <p>In_Process – A term describing a maintenance function used to communicate the intent of registering a Party GLN and data to the Global Registry. (Not allowed for use once Party GLN is registered)</p> <p>New – A term describing a maintenance function used to communicate the first time use of the Party GLN and data.</p> <p>As a Summary Use Case, specific processes will be further defined in the Detail Use Cases identified below.</p>
Process Use Case	UC-50: Synchronise Party Data
Detail Use Cases	UC-75: Distribute Party Data from SDP to RDP UC-76: Distribute Party Data from RDP to Data Recipient
Actors	Source Data Pool (SDP) Recipient Data Pool (RDP) Data Recipient (DR)
Performance Goals	Source Data Pool: Distribute Party Data to the Recipient Data Pool based

	<p>on the Distribution Criteria from Subscription & Publication.</p> <p>Recipient Data Pool: Distribute Party Data to the Recipient based on the Distribution Criteria from Subscription & Publication.</p> <p>Data Recipient: To receive Party Data that complies with Subscriptions and Confirmations.</p>
Preconditions	<p>Publications, Subscriptions and Confirmations (Distribution Criteria) have been defined.</p> <p>The Source Data Pool has a defined synchronisation list for each Party Data request.</p>
Postconditions	Data Recipient has received Party Data that complies with their Subscriptions and Confirmations.
Scenario	<p>BEGINS WHEN, SOURCE DATA POOL RECEIVES PUBLICATION, SUBSCRIPTION, OR CHANGE OR CORRECTION TO PARTY DATA</p> <ol style="list-style-type: none"> 1. SDP uses the Synchronisation List to filter the Party Data. 2. SDP sends filtered Party Data to the RDP. 3. RDP use Subscription and Confirmations to filter Party Data. 4. RDP sends filtered Party Data to the DR. 5. RDP sends appropriate Confirmations to the SDP. <p>Ends when Data Recipient has received the Party Data</p>
Alternative Scenario	N/A
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	SEE DETAIL USE CASE #'S 75 & 76 FOR BUSINESS REQUIREMENT IDENTIFICATION

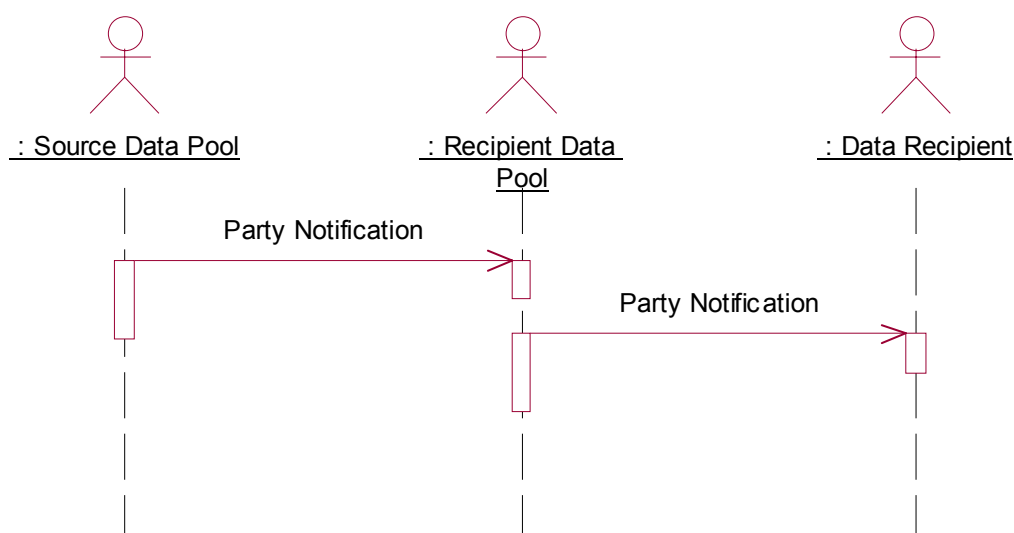


Figure 44 - Distribute Party Data Sequence Diagram

2.9.22 Distribute Party Data from SDP to RDP (UC-75)

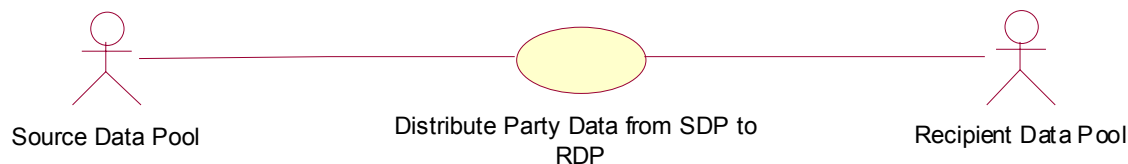


Figure 45 - Distribute Party Data from SDP to RDP Use Case Diagram

Detail Use Case Name	Distribute Party Data from SDP to RDP	
Use Case Identifier (Traceability)	UC-75	
Use Case Description	Using the Distribution Criteria, the Party Data are distributed from SDP to RDP.	
Summary Use Case	UC-71: Distribute Party Data	
Detail Use Cases	None	
Actors	Source Data Pool (SDP) Recipient Data Pool (RDP)	
Performance Goals	Source Data Pool:	Distribute Party Data to the Recipient Data Pool based on the Distribution Criteria from Publications & Subscriptions.
	Recipient Data Pool:	To receive Party Data that complies with the Distribution Criteria from Publications & Subscriptions.
Preconditions	Publications are available at the Source Data Pool. Subscriptions are communicated to the Source Data Pool. The Source Data Pool has the updated Party Synchronisation list based on the subscriptions and Confirmations received. The Source Data Pool knows which Recipient Data Pool needs to receive Party Data for each Recipient.	
Postconditions	Recipient Data Pool has received Party Data that comply with the Distribution Criteria from Subscriptions and Confirmations.	
Scenario	<p>Begins when, the Source Data Pool filters the Party Data using the Party Synchronisation list.</p> <ol style="list-style-type: none"> 1. The SDP sends filtered Party Data to the RDP. 2. The RDP receives the Party Data. <p>Ends when, the Recipient Data Pool uses the Party Subscription and Party Confirmations of the recipient to filter the Party Data to validate Party Data requested.</p>	
Alternative Scenario	N/A	
Special Requirements	N/A	
Extension Points	N/A	

Requirements Covered	BUSINESS REQUIREMENT # 198, 207, 208, 220, 221, 223, 224, 228, 230, 231, 232, 233, 251, 252, 254, 258
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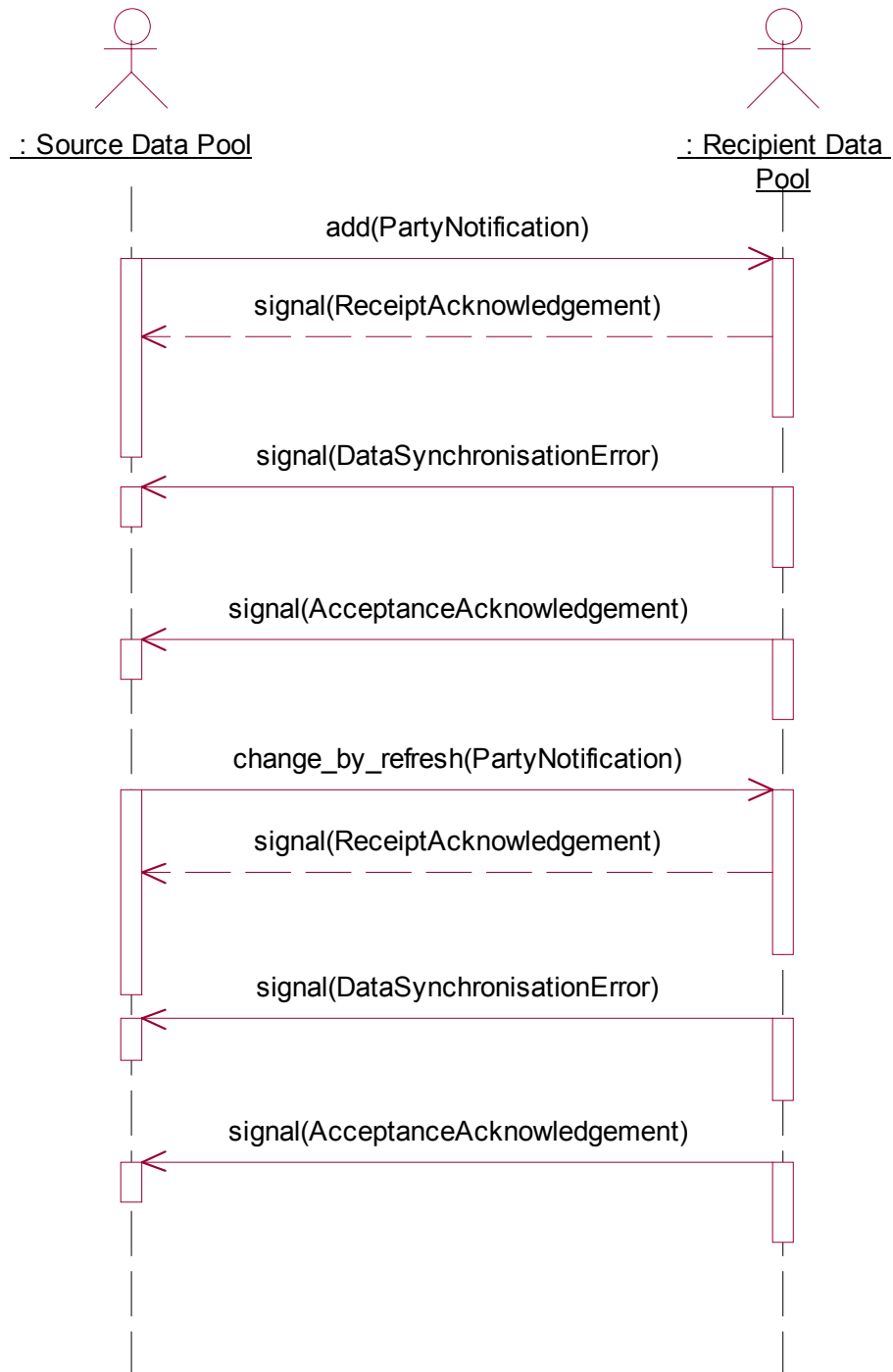


Figure 46 - Distribute Party Data from SDP to RDP Sequence Diagram

2.9.23 Distribute Party Data from RDP to Data Recipient (UC-76)

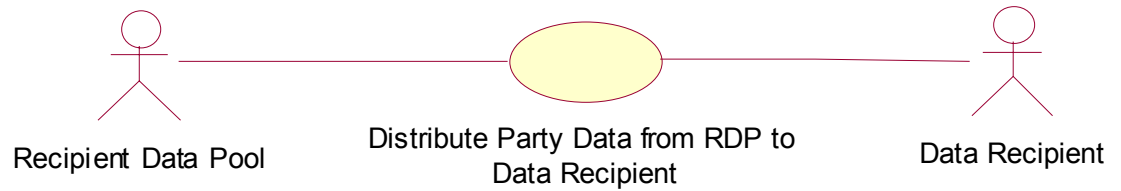


Figure 47 - Distribute Party Data from RDP to Data Recipient Use Case Diagram

Detail Use Case Name	Distribute Party Data from Recipient Data Pool to Data Recipient
Use Case Identifier (Traceability)	UC-76
Use Case Description	Party Data is distributed from Recipient Data Pool to the Data Recipient.
Summary Use Case	UC-71: Distribute Party Data
Detail Use Cases	None
Actors	Recipient Data Pool (RDP) Data Recipient (DR)
Performance Goals	Recipient Data Pool: Distribute Party Data to the Data Recipient based on the Subscriptions and Confirmations. Data Recipient: To receive Party Data that complies with Subscriptions and Confirmations.
Preconditions	Publications, Subscriptions and Confirmations have been defined. The Party Data is filtered by the Recipient Data Pool (see UC-75).
Postconditions	Data Recipient has received Party Data that complies with Subscriptions and Confirmations.
Scenario	Begins when, the Recipient Data Pool sends the filtered Party Data to the Data recipient. Ends when, the Data Recipient receives the Party Data from its Recipient Data Pool as requested.
Alternative Scenario	N/A
Special Requirements	N/A
Extension Points	N/A
Requirements Covered	BUSINESS REQUIREMENT # 198, 207, 208, 220, 221, 223, 224, 229, 230, 231, 232, 233, 251, 252, 254, 257, 258

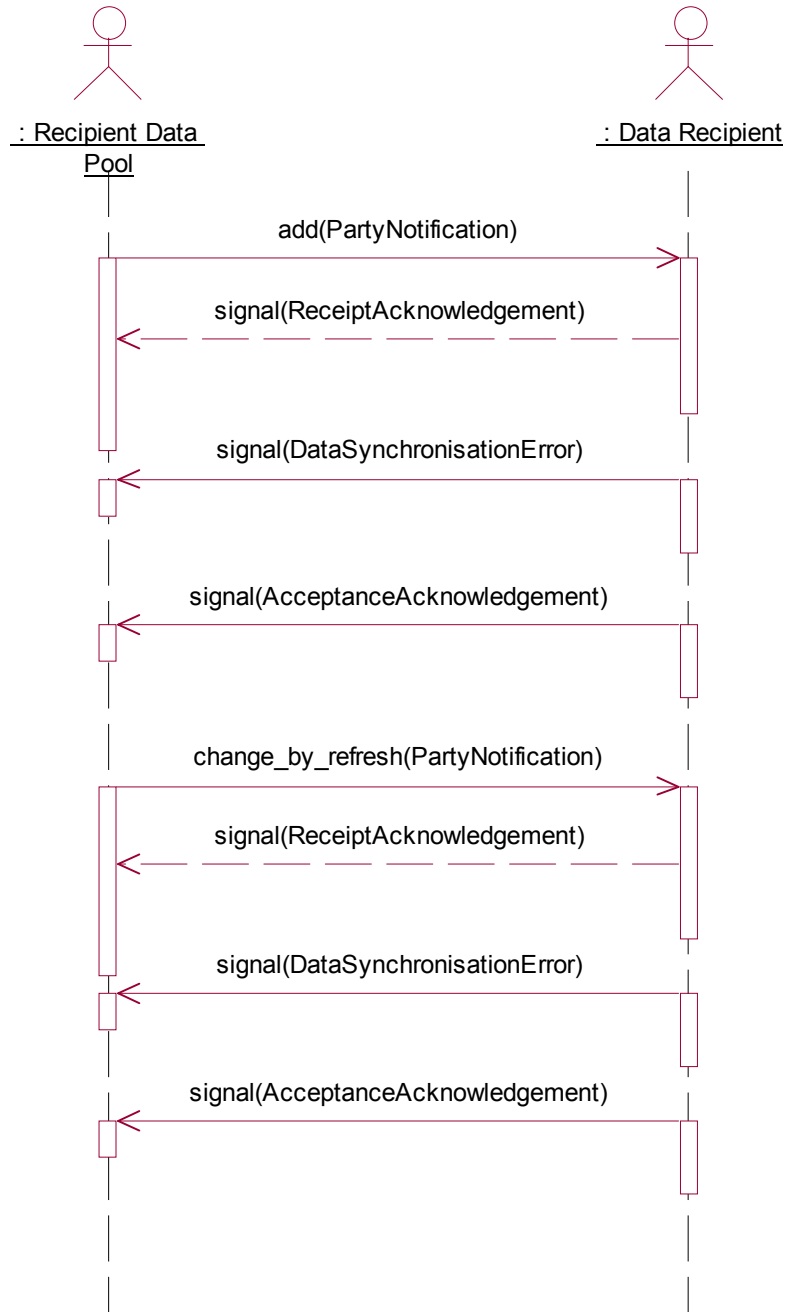


Figure 48 – Distribute Party Data from RDP to Data Recipient Sequence Diagram

3.0 Data View Party Synchronisation Class Diagrams

Reading Class Diagrams

Class Diagram color 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 or 1..* = Mandatory and Repeatable
- 0..1 = Optional
- 0..n or 0..*= Optional and Repeatable

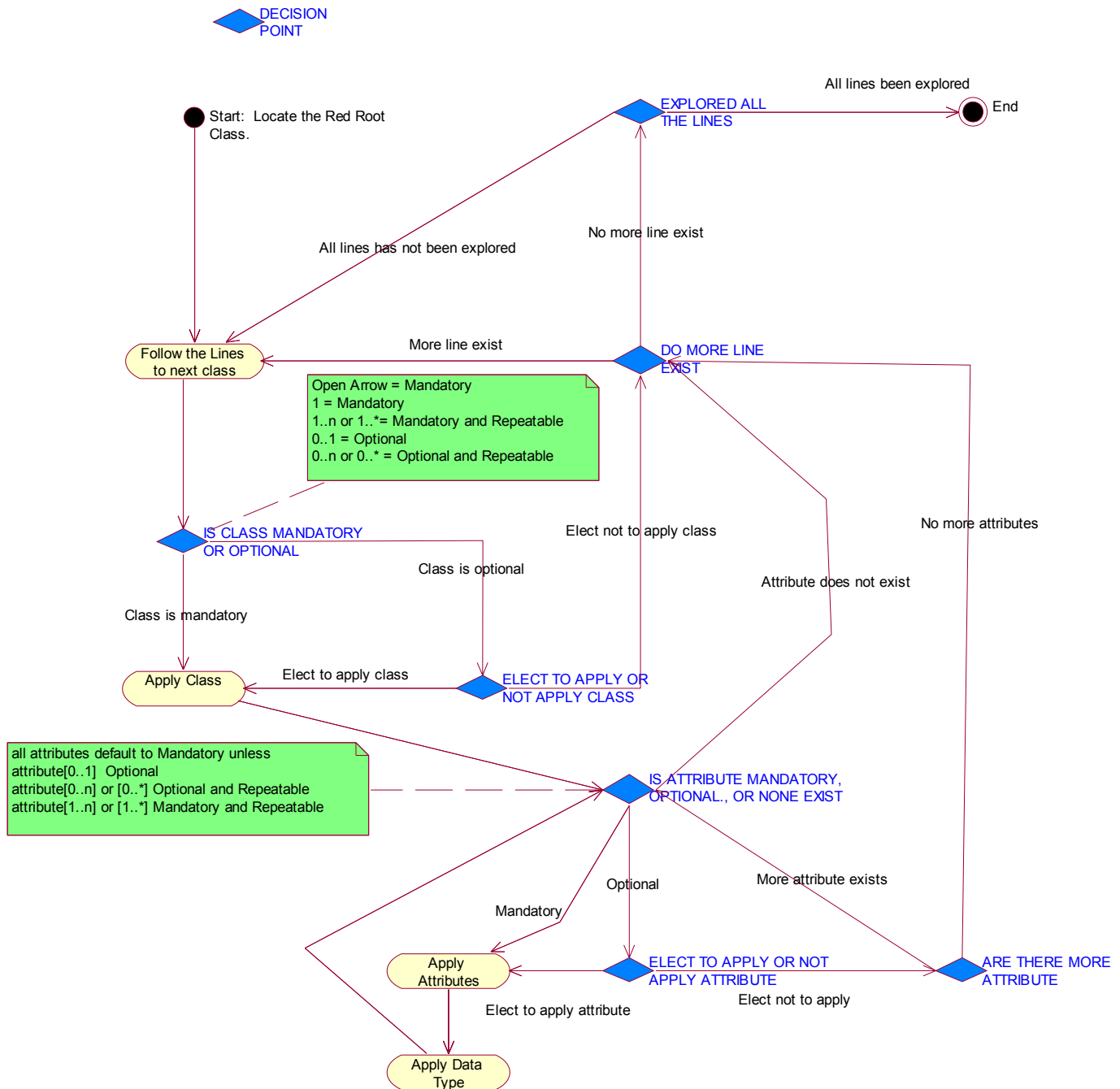
Notation on Attributes in Classes:

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

Activity diagram to read the class diagram.

This roadmap will give the instructions on traversing the model. There will be one starting point but there can be multiple routes in your journey. The path taken will create the nested structure.

Instruction to read UML Class Diagrams



3.1 Party Notification

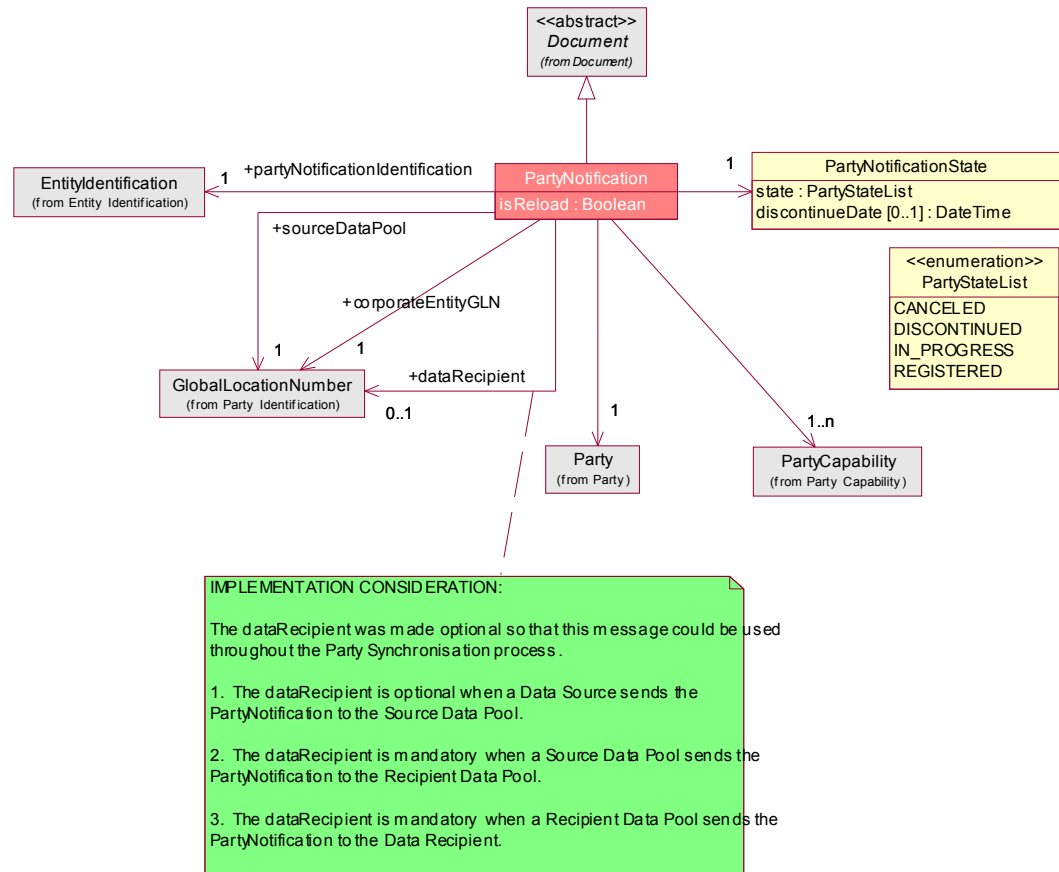


Figure 49 - Party Notification Class Diagram

3.2 Party Confirmation

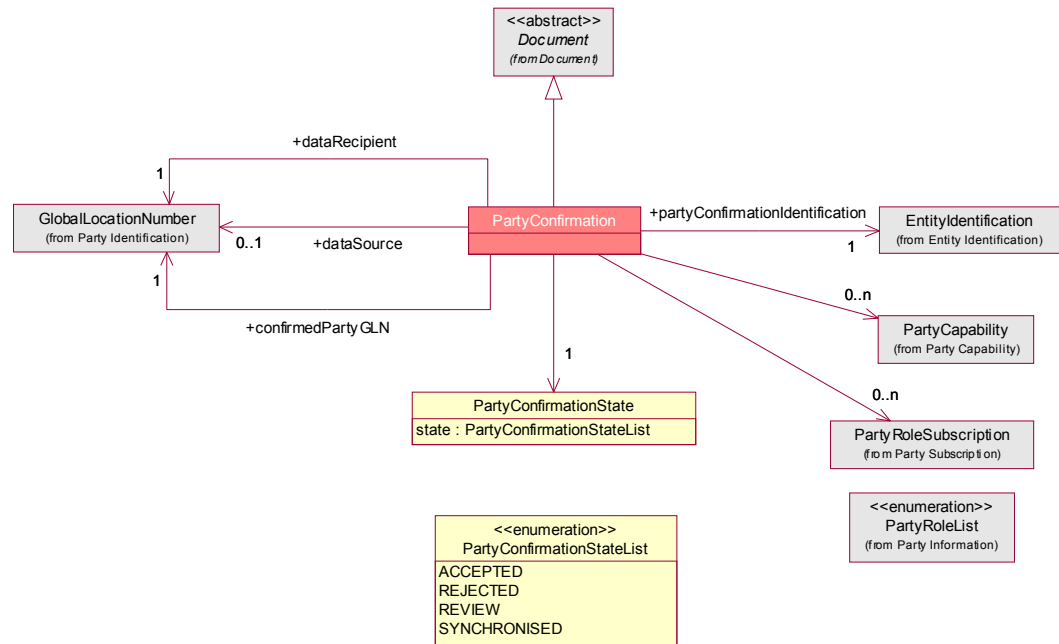


Figure 50 - Party Confirmation Class Diagram

3.3 Party Publication

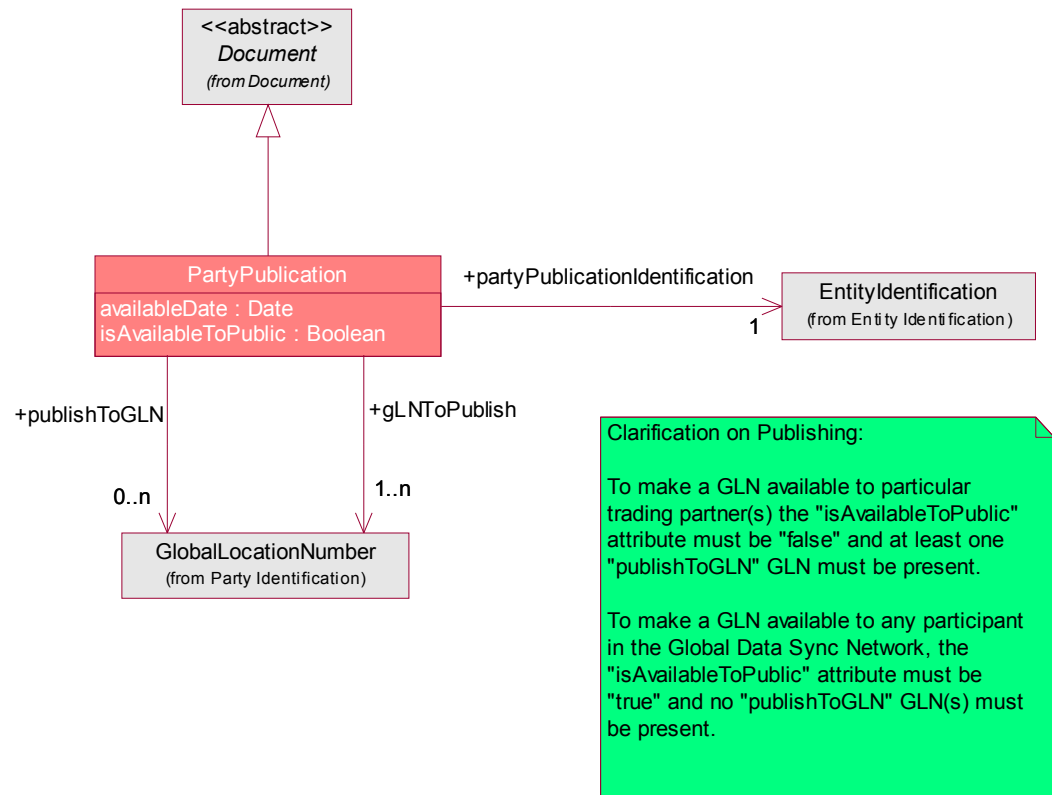


Figure 51 - Party Publication Class Diagram

3.4 Party Registration

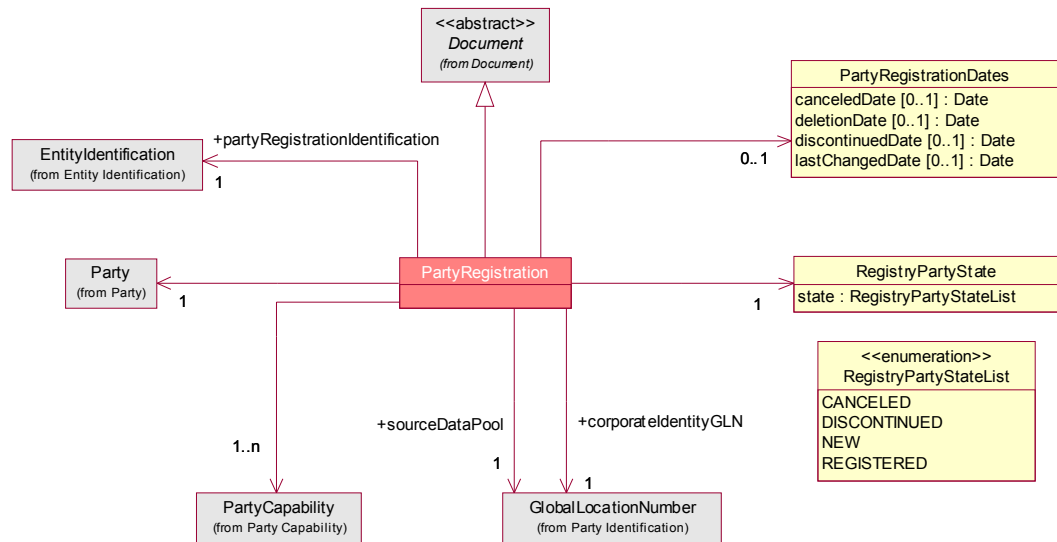


Figure 52 - Party Registration Class Diagram

3.5 Party Registration Response

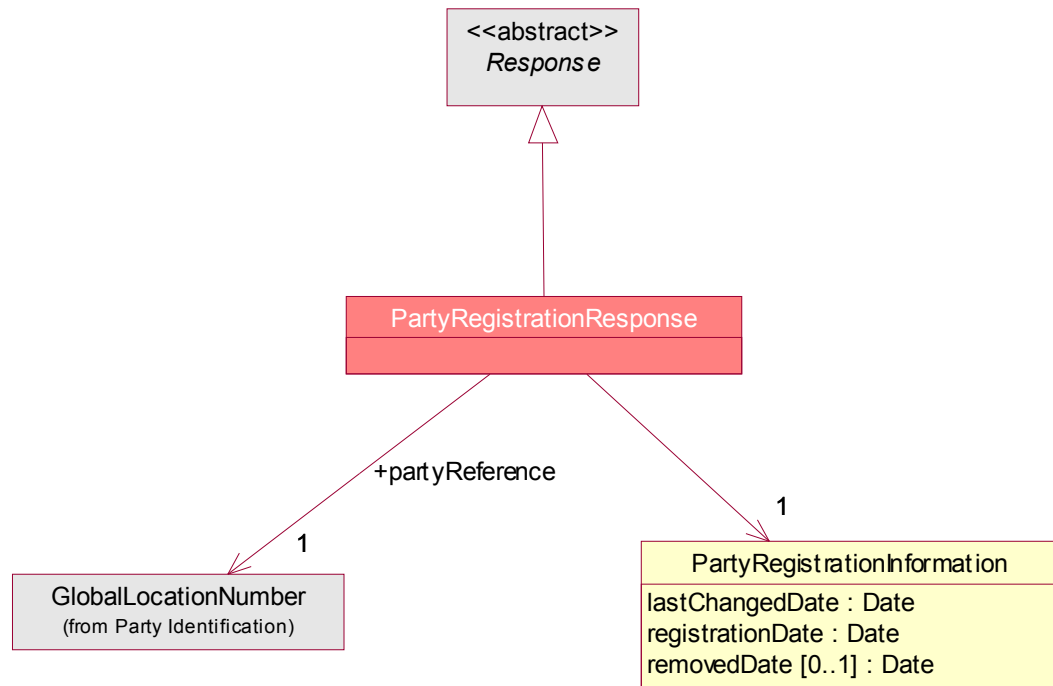
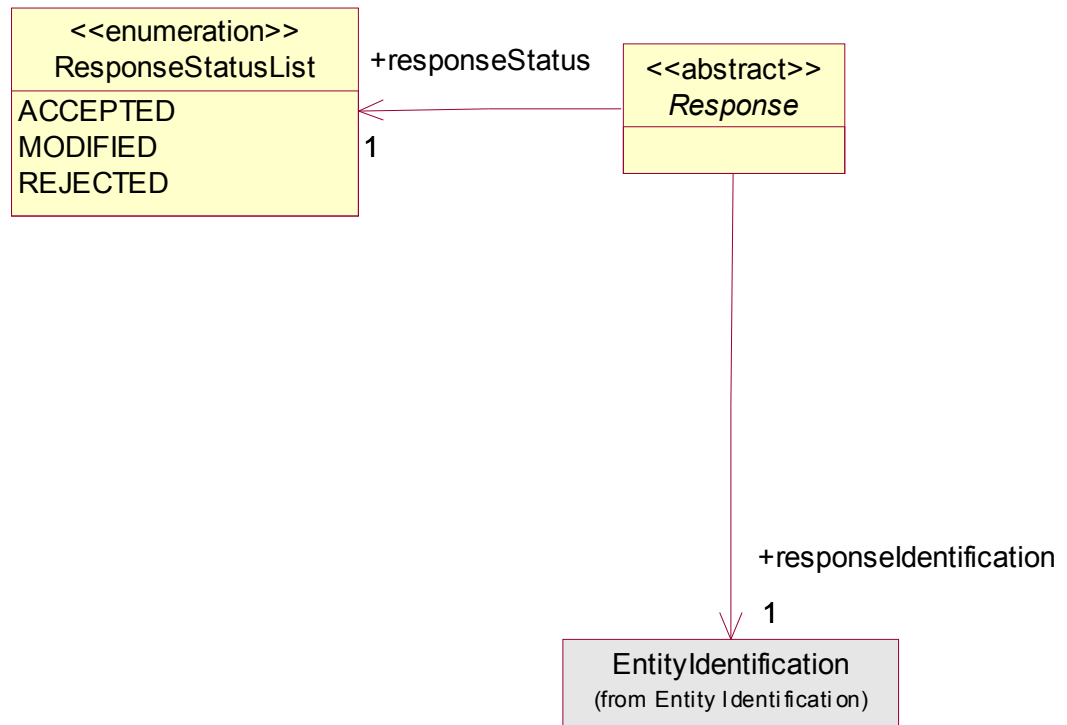


Figure 53 - Party Registration Response Class Diagram

3.5.1 EAN•UCC Response Class Diagram



3.6 Party Subscription

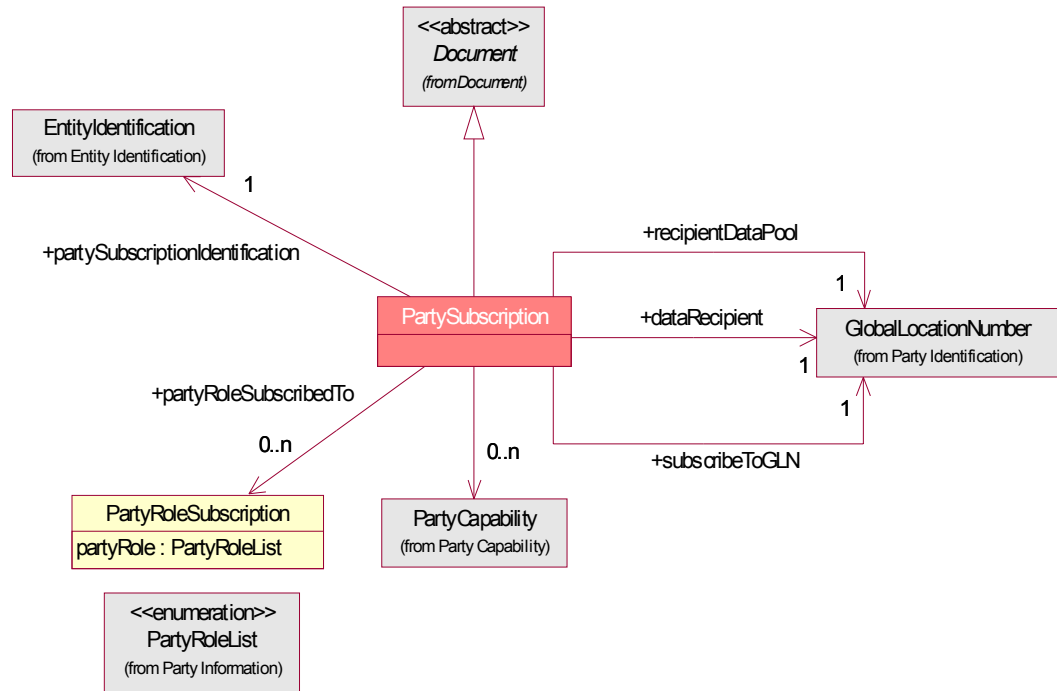


Figure 54 - Party Subscription Class Diagram

3.7 Request for Party Notification

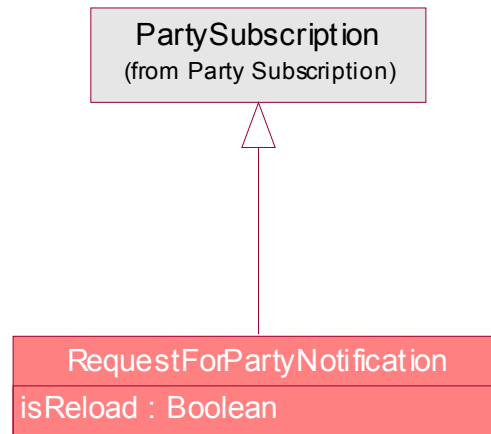


Figure 55 - Request For Party Notification Class Diagram

3.8 Party Capability

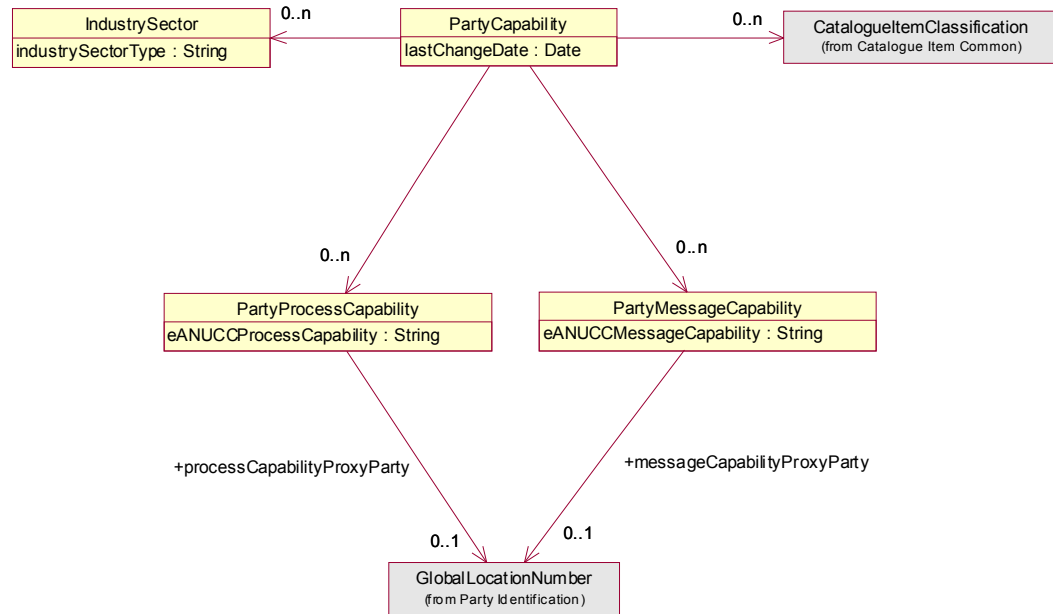


Figure 56 - Party Capability Class Diagram

3.9 Data Synchronisation Error

Business Process: ALIGN Data Synchronisation: Data Synchronisation Error

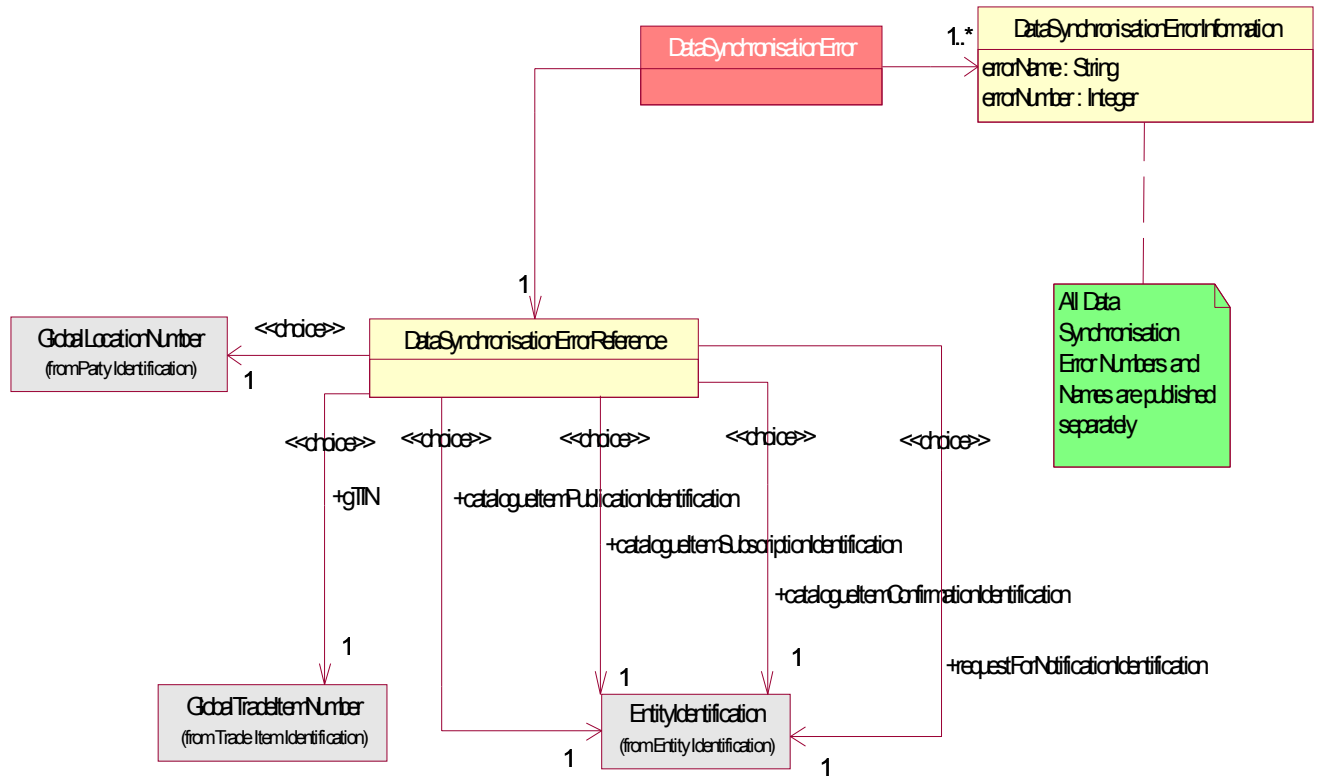


Figure 57 - Data Synchronisation Error Class Diagram

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.

Party Notification

Message MSG-123

Creation Date	August 02, 2001 12:00:00	Representing Party	0012345000065
Msg From Party	0614141000012	Msg To Party	0012345000065

Transaction	Creator ID = OJGROWER-TRANS-12345	Content Owner = 0614141000012
--------------------	--	--------------------------------------

Command ADD	Creator ID = OJGROWER-ITEM-12345	Content Owner = 0614141000012
--------------------	---	--------------------------------------

Party Notification	Creator ID = PARTYNOTF-12345	Content Owner = 0712345000002
---------------------------	-------------------------------------	--------------------------------------

Document Information

Creation Date	March 22, 2003 09:30:47-05:00	Last Update Date	March 22, 2003
Content Version	1.3.1	Doc Structure Version	1.3.1
Status	ORIGINAL	Is Reload?	no

Party Notification Information

Is Reload?

Party
Notification
State

IN_PROGRESS

Party
Notification
State
Discontinue
Date

Source Data
Pool

0712345000002

Corporate Entity
GLN

0012345000003

Data Recipient

0814141000009

Party Identification

Party ID

0012345000003

Information
Provider of
Party

0012345000003

Party Dates

Start Date

January 15, 2003 00:00:00

Effective
Change Date

End Date

Party Roles

Party Roles

CORPORATE_IDENTITY

Contacts

Contact 1

(en-US) Accounts Payable

Comm.
Channels

EMAIL: acct@lepetit.fr

Facility Specification

Appointment 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 Capabilities

Party Capability 1

Last Change Date	March 22, 2003
-------------------------	----------------

Industry Sector(s)	FMCG
---------------------------	------

Classification Category Code(s)	02.0010.0046
--	--------------

Party Process Capabilities

EANUCC Process Capability	Proxy Party
ITEMSYNC	

Party Message Capabilities

EANUCC Message Capability	Proxy Party
CATALOGUE_ITEM_NOTIFICATION	
CATALOGUE_ITEM_PUBLICATION	

Party Confirmation

Message MSG-123

Creation Date	August 02, 2001 12:00:00	Representing Party	0012345000065
Msg From Party	0614141000012	Msg To Party	0012345000065

Transaction	Creator ID = OJGROWER-TRANS-12345	Content Owner = 0614141000012
--------------------	--	--------------------------------------

Command ADD	Creator ID = OJGROWER-ITEM-12345	Content Owner = 0614141000012
--------------------	---	--------------------------------------

Party Confirmation	Creator ID = PARTYCONF-12345	Content Owner = 0814141000009
---------------------------	-------------------------------------	--------------------------------------

Document Information

Creation Date	March 22, 2003 09:30:47-05:00	Last Update Date	March 22, 2003
Content Version	1.0	Doc Structure Version	1.3.1
Status	ORIGINAL		

Party Confirmation Information

Data Recipient	0814141000009	Data Source	0012345000003
Confirmed Party GLN	0012345000003	Party Confirmation State	ACCEPTED
Party Role Subscription Roles	CORPORATE_IDENTITY		

Party Capabilities

Party Capability 1

Last Change Date	March 22, 2003
-------------------------	----------------

Industry Sector(s)	FMCG
---------------------------	------

Classification Category Code(s)	02.0010.0046
--	--------------

Party Process Capabilities

EANUCC Process Capability	Proxy Party
----------------------------------	--------------------

ITEMSYNC

Party Message Capabilities

EANUCC Message Capability	Proxy Party
----------------------------------	--------------------

CATALOGUE_ITEM_NOTIFICATION

CATALOGUE_ITEM_PUBLICATION

Party Publication

Message MSG-123

Creation Date	August 02, 2001 12:00:00	Representing Party	0012345000065
Msg From Party	0614141000012	Msg To Party	0012345000065

Transaction	Creator ID = OJGROWER-TRANS-12345	Content Owner = 0614141000012
--------------------	--	--------------------------------------

Command ADD	Creator ID = OJGROWER-ITEM-12345	Content Owner = 0614141000012
--------------------	---	--------------------------------------

Party Publication	Creator ID = PARTYPUB-12345	Content Owner = 0012345000003
--------------------------	------------------------------------	--------------------------------------

Document Information

Creation Date	March 22, 2003 09:30:47-05:00	Last Update Date	March 22, 2003
Content Version	1.3.1	Doc Structure Version	1.3.1
Status	ORIGINAL		

Party Publication Information

Publish to GLN	0814141000009		
GLN to Publish	0012345000003		
Available Date	January 15, 2003	Available To Public?	no

Party Registration

Message MSG-123

Creation Date	August 02, 2001 12:00:00	Representing Party	0012345000065
Msg From Party	0614141000012	Msg To Party	0012345000065

Transaction	Creator ID = OJGROWER-TRANS-12345	Content Owner = 0614141000012
--------------------	--	--------------------------------------

Command ADD	Creator ID = OJGROWER-ITEM-12345	Content Owner = 0614141000012
--------------------	---	--------------------------------------

Party Registration	Creator ID = PARTYREG-12345	Content Owner = 0712345000002
---------------------------	------------------------------------	--------------------------------------

Document Information

Creation Date	March 22, 2003 09:30:47-05:00	Last Update Date	March 22, 2003
Content Version	1.0	Doc Structure Version	1.3.1
Status	ORIGINAL		

Party Registration Information

Source Data Pool	0712345000002	Corporate Identity GLN	0012345000003
Registry Party State	NEW		

Party Registration Dates

Canceled Date		Deletion Date	
Discontinued Date		Last Changed Date	March 22, 2003

Party Identification

Party ID 0012345000003

**Information
Provider of
Party** 0012345000003

Party Dates

Start Date January 15, 2003
00:00:00

**Effective
Change Date**

End Date

Party Roles

Party Roles CORPORATE_IDENTITY

Contacts

Contact 1 (en-US) Accounts
Payable

**Comm.
Channels** EMAIL: acct@lepetit.fr

S

Facility Specification

**Appointment
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

Language FR

Currency EUR

Address 2, Rue Maurice Hartmann
Issy Les Moulineaux
Cedex
Paris, 92137 FR

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 Capabilities

Party Capability 1

Last Change Date	March 22, 2003
Industry Sector(s)	FMCG
Classification Category Code(s)	02.0010.0046

Party Process Capabilities

EANUCC Process Capability	Proxy Party
ITEMSYNC	

Party Message Capabilities

EANUCC Message Capability	Proxy Party
CATALOGUE_ITEM_NOTIFICATION	
CATALOGUE_ITEM_PUBLICATION	

Party Registration Response

Message MSG-123

Creation Date	August 02, 2001 12:00:00	Representing Party	0012345000065
Msg From Party	0614141000012	Msg To Party	0012345000065

Party Registration Response

Creator ID =
PARTYREGRESPONSE-
12345

Content Owner =
0061414181000

Response Information

Response Status	ACCEPTED
------------------------	----------

Party Registration Information

Last Changed Date	March 22, 2003	Registration Date	March 22, 2003
--------------------------	----------------	--------------------------	----------------

Party Reference

GLN	0012345000003
------------	---------------

Party Subscription

Message MSG-123

Creation Date	August 02, 2001 12:00:00	Representing Party	0012345000065
Msg From Party	0614141000012	Msg To Party	0012345000065

Transaction	Creator ID = OJGROWER-TRANS-12345	Content Owner = 0614141000012
--------------------	--	--------------------------------------

Command ADD	Creator ID = OJGROWER-ITEM-12345	Content Owner = 0614141000012
--------------------	---	--------------------------------------

Party Subscription	Creator ID = PARTYSUB-12345	Content Owner = 0814141000009
---------------------------	------------------------------------	--------------------------------------

Document Information

Creation Date	March 22, 2003 09:30:47-05:00	Last Update Date	March 22, 2003
Content Version	1..3.1	Doc Structure Version	1.3.1
Status	ORIGINAL		

Subscription Information

Recipient Data Pool	0812345000009	Data Recipient	0814141000009
Subscribe To GLN	0012345000003	Party Role(s) Subscribed To	CORPORATE_IDENTITY

Party Capabilities

Party Capability 1

Last Change Date	March 22, 2003
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Industry Sector(s)	FMCG
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Classification Category Code(s)	02.0010.0046
--	--------------

Party Process Capabilities

EANUCC Process Capability	Proxy Party
ITEMSYNC	

Party Message Capabilities

EANUCC Message Capability	Proxy Party
CATALOGUE_ITEM_NOTIFICATION	
CATALOGUE_ITEM_PUBLICATION	

Request For Party Notification

Message MSG-123

Creation Date	August 02, 2001 12:00:00	Representing Party	0012345000065
Msg From Party	0614141000012	Msg To Party	0012345000065

Transaction	Creator ID = OJGROWER-TRANS-12345	Content Owner = 0614141000012
--------------------	--	--------------------------------------

Command ADD	Creator ID = OJGROWER-ITEM-12345	Content Owner = 0614141000012
--------------------	---	--------------------------------------

Request for Party Notification	Creator ID = REQPARTYNOTIF-12345	Content Owner = 0814141000009
---------------------------------------	---	--------------------------------------

Document Information

Creation Date	March 22, 2003 09:30:47-05:00	Last Update Date	March 22, 2003
Content Version	1.3.1	Doc Structure Version	1.3.1
Status	ORIGINAL		

Subscription Information

Recipient Data Pool	0812345000009	Data Recipient	0814141000009
Subscribe To GLN	0012345000003	Party Role(s) Subscribed To	CORPORATE_IDENTITY
Is Reload?	yes		

GLOBAL DATA DICTIONARY

Party Synchronisation for GDSN Class Data Descriptions v1.3.1

Party Notification

Class Name	Role Name	Enumeration Values for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
Document				The class Document is used to specify the basic information about the content of the message.		M	Identification.xsd
EntityIdentification				The class Entity Identification is used to uniquely identify an instance document, GTIN, or GLN. This class contains the attribute Unique Creator Identification (a string of text description determined by the creator of the instance document, the GTIN, or the GLN).		M	Identification.xsd
	partyNotificationIdentification					M	PartyNotification.xsd
GlobalLocationNumber				The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise.			Identification.xsd
	dataRecipient					O	PartyNotification.xsd
	corporateEntityGLN					M	PartyNotification.xsd
	sourceDataPool					M	PartyNotification.xsd
Party				The class Party represents the definition of information used to describe a party.		M	Party.xsd

Class Name	Role Name	Enumeration Values for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
PartyCapability				The class Party Capability represents information about a Party in addition to the class Party including classes Catalogue Item Classification, Industry Sector, Party Process Capability, and Party Message Capability.		M	PartySynchronisationComponents.xsd
CatalogueItemClassification				A class of information used to identify a global classification of trade items according to pre-defined categories.		O	CatalogueItemComponents.xsd
IndustrySector				A class of information used to identify the type of industry that the party represents.		O	PartySynchronisationComponents.xsd
			industrySectorType	A text description of the industry sector.	1/80	M	
PartyProcessCapability				A class of information used to identify the type of process that the party represents.		O	PartySynchronisationComponents.xsd
			eANUCCProcessCapability	A text description of the process capability.	1/80	M	PartySynchronisationComponents.xsd
PartyMessageCapability				A class of information used to identify the EAN.UCC messages that the party uses.		O	PartySynchronisationComponents.xsd
			eANUCCMessageCapability	A text description of the message capability	1/80	O	PartySynchronisationComponents.xsd
PartyNotification				The root class of the Party Notification message.		M	PartyNotification.xsd
			isReload	The Boolean value within the request for notification process (true = currently on the notification list and false = initial Load).	1/10	M	PartyNotification.xsd
PartyNotificationState				A class of information used to describe the state of the party within the GDSN.		M	PartyNotification.xsd
			state	Identification of the status of the party within the GDSN.	1/80	M	PartyNotification.xsd

Class Name	Role Name	Enumeration Values for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
			discontinueDate	The date on which the party is no longer a party of the supply chain. Allows the reuse of the GLN based on EAN.UCC GLN Allocation rules.	1/15	O	PartyNotification.xsd
PartyStateList				Values that describe the state of the party.		M	PartyNotification.xsd
		CANCELED		A term describing a maintenance function used to communicate that a party was never established in the supply chain, allowing for reuse of the GLN according to the EAN.UCC GLN Allocation rules.			PartyNotification.xsd
		DISCONTINUED		A term describing a maintenance function used to communicate the permanent removal of a party from the supply chain, beginning the trigger to track the EAN.UCC retention period for GLN reuse.			PartyNotification.xsd
		IN_PROGRESS		A term describing a maintenance function used to communicate the intent of registering a party to the Global Registry.			PartyNotification.xsd
		REGISTERED		A term describing a maintenance function used to communicate that a party has met the validation requirements for acceptance to the Global Registry.			PartyNotification.xsd

Party Confirmation

Class Name	Role Name	Enumeration Values for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
Document				The class Document is used to specify the basic information about the content of the message.		M	Components.xsd
EntityIdentification				The class Entity Identification is used to uniquely identify an instance document, GTIN, or GLN. This class contains the attribute Unique Creator Identification (a string of text description determined by the creator of the instance document, the GTIN, or the GLN).		M	Identification.xsd
	partyConfirmationIdentification					M	PartyConfirmation.xsd
GlobalLocationNumber				The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise.			Identification.xsd
	confirmedPartyGLN					M	PartyConfirmation.xsd
	dataRecipient					M	PartyConfirmation.xsd
	dataSource					O	PartyConfirmation.xsd
PartyCapability				The class Party Capability represents information about a Party in addition to the class Party including classes Catalogue Item Classification, Industry Sector, Party Process Capability, and Party Message Capability.		O	PartySynchronisationComponents.xsd
PartyConfirmation				The root class of the Party Confirmation message.		M	PartyConfirmation.xsd
PartyConfirmationState				A class of information indicating what action has been taken on the Party Notification.		M	PartyConfirmation.xsd
			state	Identification of the status of the catalogue item within the GDSN.	1/80	M	PartyConfirmation.xsd

Class Name	Role Name	Enumeration Values for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
PartyConfirmationStateList				Values that describe the state of the party confirmation.		M	PartyConfirmation.xsd
		ACCEPTED		Data is added to the synchronization list and will be in synch.			PartyConfirmation.xsd
		REJECTED		Data will not be synchronized or updates will no longer be required			PartyConfirmation.xsd
		REVIEW		A request to the data source to "review" their data because the data recipient has received discrepant data which they cannot synchronize. If the data was synchronized, it will be removed from the synchronization list.			PartyConfirmation.xsd
		SYNCHRONISED		Data is integrated, in synch and added to the synchronization list.			PartyConfirmation.xsd
PartyRoleSubscription				A class of information used to identify criteria of a subscription to party data		O	PartySubscription.xsd
			PartyRole	Identification of the role or relationship of the Party		M	PartySubscription.xsd

Party Publication

Class Name	Role Name	Enumeration Values for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
Document				The class Document is used to specify the basic information about the content of the message.		M	Identification.xsd
EntityIdentification				The class Entity Identification is used to uniquely identify an instance document, GTIN, or GLN. This class contains the attribute Unique Creator Identification (a string of text description determined by the creator of the instance document, the GTIN, or the GLN).		M	Identification.xsd
	partyPublicationIdentification					M	PartyPublication.xsd
GlobalLocationNumber				The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise.			Identification.xsd
	gLNTToPublish			A role to identify the GLN of the party information for publication.		M	PartyPublication.xsd
	publishToGLN			A role to identify specific GLNs for distribution of the party information.		O	PartyPublication.xsd
PartyPublication				The root class of the Party Publication message.		M	PartyPublication.xsd
			availableDate	The date that the information is presented.	1/15	M	PartyPublication.xsd
			availableToPublic	A Boolean value used to indicate the availability of the information. true=available to all, false=available to GLN's identified.	1/10	M	PartyPublication.xsd

Party Registration

Class Name	Role Name	Enumeration Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
Document				The class Document is used to specify the basic information about the content of the message.		M	Identification.xsd
EntityIdentification				The class Entity Identification is used to uniquely identify an instance document, GTIN, or GLN. This class contains the attribute Unique Creator Identification (a string of text description determined by the creator of the instance document, the GTIN, or the GLN).		M	Identification.xsd
	partyRegistrationIdentification					M	PartyRegistration.xsd
GlobalLocationNumber				The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise.		M	Identification.xsd
	corporateIdentityGLN					M	PartyRegistration.xsd
	sourceDataPool					M	PartyRegistration.xsd
Party				The class Party represents the definition of information used to describe a party.		M	Party.xsd
Party Capability				The class Party Capability represents information about a Party in addition to the class Party used to identify the process, industry sector, and product classification functions within an organization.		M	PartySynchronisationComponents.xsd
PartyRegistration				The root class of Party Registration message.		M	PartyRegistration.xsd
PartyRegistrationDates				A class of information used to describe the dates of the action taken on the party record within the GDSN.		O	PartyRegistration.xsd

Class Name	Role Name	Enumeration Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
			canceledDate	Date assigned by data source and stored in the source data pool reflecting the date the party was cancelled. This date will also be stored in the registry.	1/15	O	PartyRegistration.xsd
			deletionDate	Date assigned by data source and stored in the source data pool reflecting the date the party record will be deleted from the database. This date will also be stored in the registry.	1/15	O	PartyRegistration.xsd
			discontinuedDate	Date assigned by Data Source on which the party is no longer a part of the supply chain. Allows the reuse of the GLN according to EAN.UCC GLN Allocation Rules.	1/15	O	PartyRegistration.xsd
			lastChangedDate	Date assigned by system indicating last time the information was changed.	1/15	O	PartyRegistration.xsd
RegistryPartyState				A class of information used to describe the state of the party within the Global Registry.		M	PartyRegistration.xsd
			state	Identification of the status of the party within the GDSN.	1/80	M	PartyRegistration.xsd
RegistryPartyStateList				Values that describe the state of the party in the Global Registry.		M	PartyRegistration.xsd
		CANCELED		A term describing a maintenance function used to communicate that a party was never established in the Supply Chain, allowing for reuse of the GLN according to EAN.UCC GLN Allocation rules.			PartyRegistration.xsd
		DISCONTINUED		A term describing a maintenance function used to communicate the permanent removal of a party from the supply chain, beginning the trigger to track the EAN.UCC retention period for GLN reuse.			PartyRegistration.xsd
		NEW		A term describing a maintenance function used to communicate the intent of registering a new party to the Global Registry.			PartyRegistration.xsd
		REGISTERED		A term describing a maintenance function used to communicate that a party has met the validation requirements for acceptance to the Global Registry.			PartyRegistration.xsd

Party Registration Response

Class Name	Role Name	Enumeration Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
GlobalLocationNumber				The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise.		M	Identification.xsd
	partyReference					M	PartyRegistrationResponse.xsd
PartyRegistrationInformation				A class of information used to identify the dates of the action taken on the Global Registry party record.		M	PartyRegistrationResponse.xsd
			lastChangedDate	Date assigned by system indicating last time the information was changed.	1/15	M	PartyRegistrationResponse.xsd
			registrationDate	Date assigned by the registry of successful registration.	1/15	M	PartyRegistrationResponse.xsd
			removedDate	Date assigned by the registry when the party record has been deleted.	1/15	O	PartyRegistrationResponse.xsd
PartyRegistrationResponse				The root class of PartyRegistrationResponse message.		M	PartyRegistrationResponse.xsd
Response				An abstract class of information in the Global Business Model used to define the status of a document within the EAN.UCC System.		M	Components.xsd

Party Subscription

Class Name	Role Name	Enumeration Values for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
Document				The class Document is used to specify the basic information about the content of the message.		M	Identification.xsd
EntityIdentification				The class Entity Identification is used to uniquely identify an instance document, GTIN, or GLN. This class contains the attribute Unique Creator Identification (a string of text description determined by the creator of the instance document, the GTIN, or the GLN).		M	Identification.xsd
	partySubscriptionIdentification					M	PartySubscription.xsd
GlobalLocationNumber				The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise.		M	Identification.xsd
	dataRecipient					M	PartySubscription.xsd
	recipientDataPool					M	PartySubscription.xsd
	subscribeToGLN					M	PartySubscription.xsd
PartyCapability				The class Party Capability represents information about a Party in addition to the class Party including classes Catalogue Item Classification, Industry Sector, Party Process Capability, and Party Message Capability.		O	PartySynchronisationComponents.xsd
PartyRoleSubscription				A class of information used to identify criteria of a subscription to party data		O	PartySubscription.xsd
	partyRoleSubscribedTo					O	PartySubscription.xsd
			partyRole	Identification of the role or relationship of the Party	1/80	M	PartySubscription.xsd
PartySubscription				The root class of the Party Subscription message.		M	PartySubscription.xsd

Request For Party Notification

Class Name	Role Name	Enumeration Values for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
PartySubscription				A class of information used to establish a request from an end recipient for the update of party information on a continuous basis.		M	PartySubscription.xsd
RequestForPartyNotification				The root class for RequestFor Party Notificaiton message		M	RequestForPartyNotification.xsd
			isReload	The Boolean value within the request for notification process (true = currently on the synchronisation list and false = initial Load).	1/10	M	RequestForPartyNotification.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: Party Notification

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- edited with XML Spy v4.4 U (http://www.xmlspy.com) by Melanie Kudela (UCC) -->
<?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/PartyNotificationProxy.xsd"
communicationVersion="1.3.1">
  <messageHeader creationDate="2001-08-02T12:00:00">
    <userId>OJGROWER-12345</userId>
    <password>SECRET</password>
    <messageIdentifier>MSG-123</messageIdentifier>
    <to>
      <gln>0012345000065</gln>
    </to>
    <from>
      <gln>0614141000012</gln>
    </from>
    <representingParty>
      <gln>0012345000065</gln>
    </representingParty>
  </messageHeader>
  <body>
    <eanucc:transaction>
      <entityIdentification>
        <uniqueCreatorIdentification>OJGROWER-TRANS-12345</uniqueCreatorIdentification>
        <contentOwner>
          <gln>0614141000012</gln>
        </contentOwner>
      </entityIdentification>
      <command>
        <eanucc:documentCommand>
          <documentCommandHeader type="ADD">
            <entityIdentification>
              <uniqueCreatorIdentification>OJGROWER-ITEM-12345</uniqueCreatorIdentification>
              <contentOwner>
                <gln>0614141000012</gln>
              </contentOwner>
            </entityIdentification>
          </documentCommandHeader>
          <documentCommandOperand>
            <eanucc:partyNotification contentVersion="1.0" documentStructureVersion="1.3.1"
lastUpdateDate="2003-03-22" creationDate="2003-03-22T09:30:47-05:00" documentStatus="ORIGINAL"
isReload="false">
              <partyNotificationIdentification>
```



```
12345</uniqueCreatorIdentification> PARTYNOTF-
  <contentOwner>
    <gln>0712345000002</gln>
  </contentOwner>
</partyNotificationIdentification>
<partyNotificationState>
  <state>IN_PROGRESS</state>
</partyNotificationState>
<sourceDataPool>0712345000002</sourceDataPool>
<corporateEntityGLN>0012345000003</corporateEntityGLN>
<dataRecipient>0814141000009</dataRecipient>
<party>
  <partyIdentification>
    <gln>0012345000003</gln>
  </partyIdentification>
  <informationProviderOfParty>
    <gln>0012345000003</gln>
  </informationProviderOfParty>
  <partyInformation>
    <partyDates>
      <partyStartDate>2003-01-15T00:00:00</partyStartDate>
    </partyDates>
    <partyRole>CORPORATE_IDENTITY</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>
```

```
<financialInstitutionNameAndAddress>
  <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>
</financialInstitutionNameAndAddress>
<branch>Main</branch>
</bankingInformation>
<planningManagementProfile>
  <roundingRulesDescription>Round to next case
quantity</roundingRulesDescription>
  <safetyStockRulesDescription>Exclude unloaded
deliveries</safetyStockRulesDescription>
  <transportationStrategyDescription>Cost
based</transportationStrategyDescription>
  </planningManagementProfile>
</partyInformation>
</party>
<partyCapability>
  <lastChangeDate>2003-03-22</lastChangeDate>
  <industrySector>
    <industrySectorType>FMCG</industrySectorType>
  </industrySector>
  <catalogueItemClassification
classificationCategoryCode="02.0010.0046"/>
  <partyProcessCapability>

  <eANUCCProcessCapability>ITEMSYNC</eANUCCProcessCapability>
  </partyProcessCapability>
  <partyMessageCapability>

  <eANUCCMessageCapability>CATALOGUE_ITEM_NOTIFICATION</eANUCCMessageCapability>
  </partyMessageCapability>
  <partyMessageCapability>

  <eANUCCMessageCapability>CATALOGUE_ITEM_PUBLICATION</eANUCCMessageCapability>
  </partyMessageCapability>
  </partyCapability>
</eanucc:partyNotification>
</documentCommandOperand>
</eanucc:documentCommand>
</command>
</eanucc:transaction>
</body>
</eanucc:envelope>
```

Instance File Example: Party Confirmation

```
<?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/PartyConfirmationProxy.xsd"
communicationVersion="1.3.1">
  <messageHeader creationDate="2001-08-02T12:00:00">
    <userId>OJGROWER-12345</userId>
    <password>SECRET</password>
    <messageIdentifier>MSG-123</messageIdentifier>
    <to>
      <gln>0012345000065</gln>
    </to>
    <from>
      <gln>0614141000012</gln>
    </from>
    <representingParty>
      <gln>0012345000065</gln>
    </representingParty>
  </messageHeader>
  <body>
    <eanucc:transaction>
      <entityIdentification>
        <uniqueCreatorIdentification>OJGROWER-TRANS-12345</uniqueCreatorIdentification>
        <contentOwner>
          <gln>0614141000012</gln>
        </contentOwner>
      </entityIdentification>
      <command>
        <eanucc:documentCommand>
          <documentCommandHeader type="ADD">
            <entityIdentification>
              <uniqueCreatorIdentification>OJGROWER-ITEM-12345</uniqueCreatorIdentification>
              <contentOwner>
                <gln>0614141000012</gln>
              </contentOwner>
            </entityIdentification>
          </documentCommandHeader>
          <documentCommandOperand>
            <eanucc:partyConfirmation contentVersion="1.0" documentStructureVersion="1.3.1"
lastUpdateDate="2003-03-22" creationDate="2003-03-22T09:30:47-05:00"
documentStatus="ORIGINAL">
              <partyConfirmationIdentification>
                <uniqueCreatorIdentification>PARTYCONF-12345</uniqueCreatorIdentification>
                <contentOwner>
                  <gln>0814141000009</gln>
                </contentOwner>
              </partyConfirmationIdentification>
              <dataRecipient>0814141000009</dataRecipient>
              <dataSource>0012345000003</dataSource>
              <confirmedPartyGLN>0012345000003</confirmedPartyGLN>
              <partyConfirmationState>
                <state>ACCEPTED</state>
              </partyConfirmationState>
              <partyCapability>
                <lastChangeDate>2003-03-22</lastChangeDate>
                <industrySector>
```

```
<industrySectorType>FMCG</industrySectorType>
</industrySector>
<catalogueItemClassification classificationCategoryCode="02.0010.0046"/>
<partyProcessCapability>
  <eANUCCProcessCapability>ITEMSYNC</eANUCCProcessCapability>
</partyProcessCapability>
<partyMessageCapability>

<eANUCCMessageCapability>CATALOGUE_ITEM_NOTIFICATION</eANUCCMessageCapability>
</partyMessageCapability>
<partyMessageCapability>

<eANUCCMessageCapability>CATALOGUE_ITEM_PUBLICATION</eANUCCMessageCapability>
</partyMessageCapability>
</partyCapability>
<partyRoleSubscription>
  <partyRole>CORPORATE_IDENTITY</partyRole>
</partyRoleSubscription>
</eanucc:partyConfirmation>
</documentCommandOperand>
</eanucc:documentCommand>
</command>
</eanucc:transaction>
</body>
</eanucc:envelope>
```

Instance File Example: Party Publication

```
<?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/PartyPublicationProxy.xsd"
communicationVersion="1.3.1">
  <messageHeader creationDate="2001-08-02T12:00:00">
    <userId>OJGROWER-12345</userId>
    <password>SECRET</password>
    <messageIdentifier>MSG-123</messageIdentifier>
    <to>
      <gln>0012345000065</gln>
    </to>
    <from>
      <gln>0614141000012</gln>
    </from>
    <representingParty>
      <gln>0012345000065</gln>
    </representingParty>
  </messageHeader>
  <body>
    <eanucc:transaction>
      <entityIdentification>
        <uniqueCreatorIdentification>OJGROWER-TRANS-12345</uniqueCreatorIdentification>
        <contentOwner>
          <gln>0614141000012</gln>
        </contentOwner>
      </entityIdentification>
      <command>
        <eanucc:documentCommand>
          <documentCommandHeader type="ADD">
            <entityIdentification>
              <uniqueCreatorIdentification>OJGROWER-ITEM-
12345</uniqueCreatorIdentification>
              <contentOwner>
                <gln>0614141000012</gln>
              </contentOwner>
            </entityIdentification>
          </documentCommandHeader>
          <documentCommandOperand>
            <eanucc:partyPublication contentVersion="1.0" documentStructureVersion="1.3.1"
lastUpdateDate="2003-03-22" creationDate="2003-03-22T09:30:47-05:00"
documentStatus="ORIGINAL">
              <partyPublicationIdentification>
                <uniqueCreatorIdentification>PARTYPUB-
12345</uniqueCreatorIdentification>
                <contentOwner>
                  <gln>0012345000003</gln>
                </contentOwner>
              </partyPublicationIdentification>
              <publishToGLN>0814141000009</publishToGLN>
              <gLNToPublish>0012345000003</gLNToPublish>
              <availableDate>2003-01-15</availableDate>
              <isAvailableToPublic>false</isAvailableToPublic>
            </eanucc:partyPublication>
          </documentCommandOperand>
        </eanucc:documentCommand>
      </command>
    </eanucc:transaction>
  </body>
</eanucc:envelope>
```

```
        </eanucc:documentCommand>  
      </command>  
    </eanucc:transaction>  
  </body>  
</eanucc:envelope>
```

Instance File Example: Party Registration

```
<?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/PartyRegistrationProxy.xsd"
communicationVersion="1.3.1">
  <messageHeader creationDate="2001-08-02T12:00:00">
    <userId>OJGROWER-12345</userId>
    <password>SECRET</password>
    <messageIdentifier>MSG-123</messageIdentifier>
    <to>
      <gln>0012345000065</gln>
    </to>
    <from>
      <gln>0614141000012</gln>
    </from>
    <representingParty>
      <gln>0012345000065</gln>
    </representingParty>
  </messageHeader>
  <body>
    <eanucc:transaction>
      <entityIdentification>
        <uniqueCreatorIdentification>OJGROWER-TRANS-12345</uniqueCreatorIdentification>
        <contentOwner>
          <gln>0614141000012</gln>
        </contentOwner>
      </entityIdentification>
      <command>
        <eanucc:documentCommand>
          <documentCommandHeader type="ADD">
            <entityIdentification>
              <uniqueCreatorIdentification>OJGROWER-ITEM-
12345</uniqueCreatorIdentification>
              <contentOwner>
                <gln>0614141000012</gln>
              </contentOwner>
            </entityIdentification>
          </documentCommandHeader>
          <documentCommandOperand>
            <eanucc:partyRegistration contentVersion="1.0"
documentStructureVersion="1.3.1" lastUpdateDate="2003-03-22" creationDate="2003-03-22T09:30:47-
05:00" documentStatus="ORIGINAL">
              <partyRegistrationIdentification>
                <uniqueCreatorIdentification> PARTYREG-
12345</uniqueCreatorIdentification>
                <contentOwner>
                  <gln>0712345000002</gln>
                </contentOwner>
              </partyRegistrationIdentification>
              <sourceDataPool>0712345000002</sourceDataPool>
              <corporateIdentityGLN>0012345000003</corporateIdentityGLN>
              <partyRegistrationDates>
                <lastChangedDate>2003-03-22</lastChangedDate>
              </partyRegistrationDates>
              <registryPartyState>
                <state>NEW</state>
              </registryPartyState>
            </eanucc:partyRegistration>
          </documentCommandOperand>
        </eanucc:documentCommand>
      </command>
    </eanucc:transaction>
  </body>
</eanucc:envelope>
```

```
</registryPartyState>
<party>
  <partyIdentification>
    <gln>0012345000003</gln>
  </partyIdentification>
  <informationProviderOfParty>
    <gln>0012345000003</gln>
  </informationProviderOfParty>
  <partyInformation>
    <partyDates>
      <partyStartDate>2003-01-15T00:00:00</partyStartDate>
    </partyDates>
    <partyRole>CORPORATE_IDENTITY</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>
</party>
<partyCapability>
    <lastChangeDate>2003-03-22</lastChangeDate>
    <industrySector>
        <industrySectorType>FMCG</industrySectorType>
    </industrySector>
    <catalogueItemClassification
classificationCategoryCode="02.0010.0046"/>
    <partyProcessCapability>

        <eANUCCProcessCapability>ITEMSYNC</eANUCCProcessCapability>
    </partyProcessCapability>
    <partyMessageCapability>

        <eANUCCMessageCapability>CATALOGUE_ITEM_NOTIFICATION</eANUCCMessageCapability>
    </partyMessageCapability>
    <partyMessageCapability>

        <eANUCCMessageCapability>CATALOGUE_ITEM_PUBLICATION</eANUCCMessageCapability>
    </partyMessageCapability>
    </partyCapability>
</eanucc:partyRegistration>
</documentCommandOperand>
</eanucc:documentCommand>
</command>
</eanucc:transaction>
</body>
</eanucc:envelope>

```

Instance File Example: Party Registration Response

```
<?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/PartyRegistrationResponseProxy.xsd"
communicationVersion="1.3.1">
  <messageHeader creationDate="2001-08-02T12:00:00">
    <userId>OJGROWER-12345</userId>
    <password>SECRET</password>
    <messageIdentifier>MSG-123</messageIdentifier>
    <to>
      <gln>0012345000065</gln>
    </to>
    <from>
      <gln>0614141000012</gln>
    </from>
    <representingParty>
      <gln>0012345000065</gln>
    </representingParty>
  </messageHeader>
  <body>
    <eanucc:partyRegistrationResponse responseStatus="ACCEPTED">
      <responseIdentification>
        <uniqueCreatorIdentification>PARTYREGRESPONSE-12345</uniqueCreatorIdentification>
        <contentOwner>
          <gln>0061414181000</gln>
        </contentOwner>
      </responseIdentification>
      <partyRegistrationInformation>
        <lastChangedDate>2003-03-22</lastChangedDate>
        <registrationDate>2003-03-22</registrationDate>
      </partyRegistrationInformation>
      <partyReference>0012345000003</partyReference>
    </eanucc:partyRegistrationResponse>
  </body>
</eanucc:envelope>
```

Instance File Example: Party Subscription

```
<?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/PartySubscriptionProxy.xsd"
communicationVersion="1.3.1">
  <messageHeader creationDate="2001-08-02T12:00:00">
    <userId>OJGROWER-12345</userId>
    <password>SECRET</password>
    <messageIdentifier>MSG-123</messageIdentifier>
    <to>
      <gln>0012345000065</gln>
    </to>
    <from>
      <gln>0614141000012</gln>
    </from>
    <representingParty>
      <gln>0012345000065</gln>
    </representingParty>
  </messageHeader>
  <body>
    <eanucc:transaction>
      <entityIdentification>
        <uniqueCreatorIdentification>OJGROWER-TRANS-12345</uniqueCreatorIdentification>
        <contentOwner>
          <gln>0614141000012</gln>
        </contentOwner>
      </entityIdentification>
      <command>
        <eanucc:documentCommand>
          <documentCommandHeader type="ADD">
            <entityIdentification>
              <uniqueCreatorIdentification>OJGROWER-ITEM-12345</uniqueCreatorIdentification>
              <contentOwner>
                <gln>0614141000012</gln>
              </contentOwner>
            </entityIdentification>
          </documentCommandHeader>
          <documentCommandOperand>
            <eanucc:partySubscription contentVersion="1.0" documentStructureVersion="1.3.1"
lastUpdateDate="2003-03-22" creationDate="2003-03-22T09:30:47-05:00"
documentStatus="ORIGINAL">
              <partySubscriptionIdentification>
                <uniqueCreatorIdentification>PARTYSUB-12345</uniqueCreatorIdentification>
                <contentOwner>
                  <gln>0814141000009</gln>
                </contentOwner>
              </partySubscriptionIdentification>
              <recipientDataPool>0812345000009</recipientDataPool>
              <dataRecipient>0814141000009</dataRecipient>
              <subscribeToGLN>0012345000003</subscribeToGLN>
              <partyRoleSubscribedTo>
                <partyRole>CORPORATE_IDENTITY</partyRole>
              </partyRoleSubscribedTo>
              <partyCapability>
                <lastChangeDate>2003-03-22</lastChangeDate>
                <industrySector>
```

```
<industrySectorType>FMCG</industrySectorType>
</industrySector>
<catalogueItemClassification classificationCategoryCode="02.0010.0046"/>
<partyProcessCapability>
  <eANUCCProcessCapability>ITEMSYNC</eANUCCProcessCapability>
</partyProcessCapability>
<partyMessageCapability>

<eANUCCMessageCapability>CATALOGUE_ITEM_NOTIFICATION</eANUCCMessageCapability>
</partyMessageCapability>
<partyMessageCapability>

<eANUCCMessageCapability>CATALOGUE_ITEM_PUBLICATION</eANUCCMessageCapability>
</partyMessageCapability>
</partyCapability>
</eanucc:partySubscription>
</documentCommandOperand>
</eanucc:documentCommand>
</command>
</eanucc:transaction>
</body>
</eanucc:envelope>
```