

EAN.UCC XML
Business Message
Standard For
Settlement

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 Pay 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:	Settlement	
Business Requirement Group:	Pay	
Business Requirement Document:	Settlement	
Business Requirements Group Manager:	Tom Heist	Uniform Code Council
Global Data Dictionary:	EAN.UCC Global Data Dictionary v1.3.1	
Schemas:	EAN.UCC Schemas v1.3.1	
Schemas have been tested on Parser(s) and Version(s):	XML Spy Version 4.4, Xerces, XSV	

Business Requirements Group (BRG)

Business Requirements Document For Settlement

Version 1.1

April 14, 2003

DOCUMENT HISTORY

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Document Summary

Document Title	EAN•UCC – Business Requirements Document For Settlement
Owner	Pay BRG UCC - mailto:theist@uc-council.org
Status	BRG & ITRG Approved

Document Change History Log

Date of Change	Version	Reason for Change	Summary of Change	Change Request
12/12/2001	0.1	Review		01-000001
04/12/2002	0.2	Review	Added new class diagrams: Pay Common and Settlement	
05/13/2002	0.3	Review	Harmonized the model	
05/21/2002	0.4	Final edits from the Salt Lake City Meeting	<ol style="list-style-type: none"> 1. Added buyers and seller bank to Party Identification 2. Financial Institution Information class contains 5 attributes from 7. 3. Changed Financial Institution Identifier List → Routing Number Type List 4. Section 2.1 has been revised. 	
06/04/2002	0.5	Review		
09/18/2002	1.0	BUML—IUML—BRG Review	Final edit. No change to business requirements. Upgraded classes to current common enhancements.	
04/14/2003	1.1	Harmonisation version 1.3.1	Classes were updated to match current Harmonization effort.	

Approvals

Name	Title	Signature	Date

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Preface:

The EAN.UCC System uses a process-to-data approach to the creation and maintenance of global standards.

The work of the Business Requirements Group (BRG) is to establish clear and unambiguous business requirements based upon validated business processes. The Business Requirements Document (BRD) is the vehicle by which business requirements are documented.

The BRD, when approved by the BRG, will be incorporated directly into subsequent standards documentation prepared by either the Information Technical Requirements Group (ITRG) or the Physical Technical Requirements Group (PTRG).

The Unified Modeling Language (UML) has been chosen for modeling business processes because of its current popularity and global acceptance. UML business process models form the basis from which business processes, supporting data, and global standards are linked.

The 'Settlement' BRD is the result of the talents of the EAN.UCC Pay Business Requirements Group.

Business Opportunity:

1.1 Problem Statement:

The goal of this Settlement use case is to send payment and remittance without adjustment, send remittance with adjustments and/or discounts, send payment and remittance with adjustment and/or discounts, send payment, send remittance without adjustments and/or discounts.

1.2 Audience

The audience of the standards would be any participant in the global supply chain. This would include retailers, manufacturers, service providers, and other third parties.

1.3 Reference

- Change Request: 01-000001
- Five Scenario Worksheet
- Business Message Standards Simpl-eb July 2001

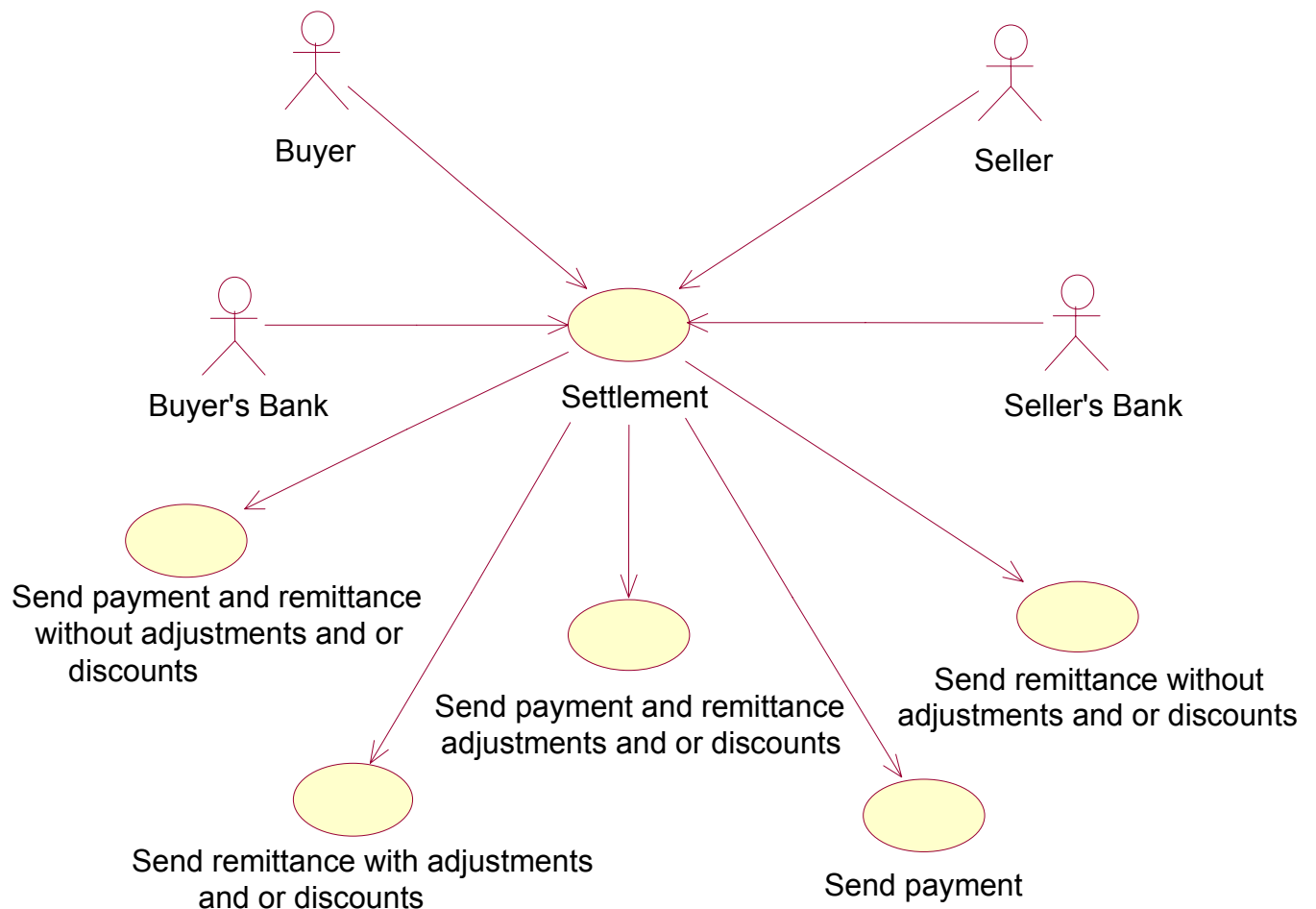
1.4 Acknowledgements

Mickey Atkins	AHOLD Information Services
Janet Bailey	VF Corporation
Brian Barker	Wal-Mart Stores
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Mark Gorman	HSBC Business Credit (USA) Inc.
Nancy Laskero	Sears, Roebuck & Company
John Little	Hershey Foods
Marie Perry	Coca Cola Enterprises Inc.
Diane Pruitt	SunTrust Bank
Ian Rogers	Cap Gemini Ernst & Young
Steve Rosenberg	UCC BRG Manager
John Ryu	UCC Business Process Modeler

2.0 Process View – General Requirements:

This section identifies business requirements and functions for Settlement. This section of the document will walk through the Settlement use case analysis.

2.1 Use Case Scenario: Settlement of Request for Payment



2.1.1 Business Opportunity/Problem Statement

The goal of this Settlement use case is to send payment and remittance without adjustment, send remittance with adjustments and/or discounts, send payment and remittance with adjustment and/or discounts, send payment, send remittance without adjustments and/or discounts.

2.1.2 Actors

The primary actors in the 'Settlement' process are the trading partners, comprised of Buyer and Seller, along with the Buyer's Bank and Seller's Bank.

2.1.3 Preconditions

The 'Settlement' process begins when the buyer has received Request for Payment(s) from Seller.

2.1.4 Process Start

The start-state for 'Settlement' process begins when Buyer has received a Request for Payment from the Seller and processes it.

2.1.5 Process End

Buyer sends payment and remittance without adjustments or discounts, payment and remittance with adjustments or discounts, remittance only, remittance with adjustments or payment only to the Seller.

2.1.6 Post Conditions

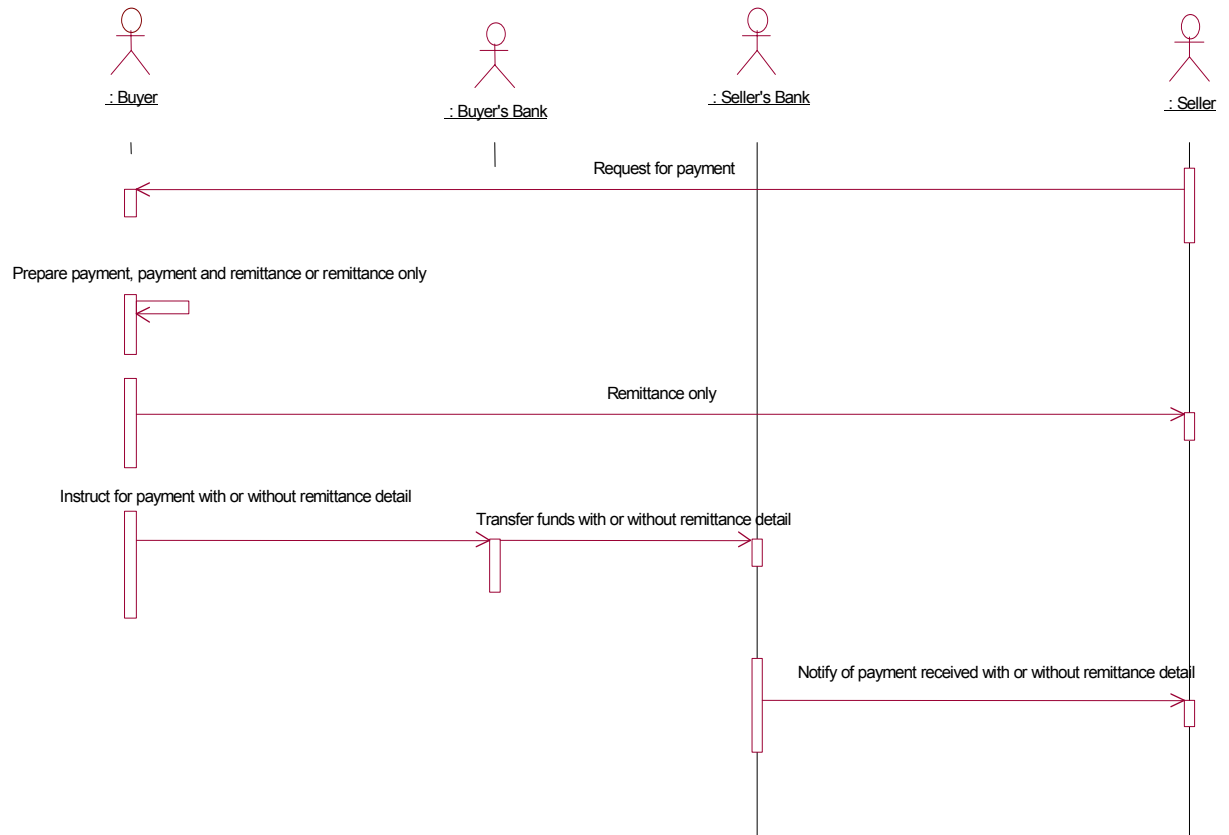
Buyer sends to Seller one of the five following scenarios.

1. Payment and Remittance
2. Payment and Remittance with Adjustment
3. Remittance
4. Remittance with Adjustment
5. Payment

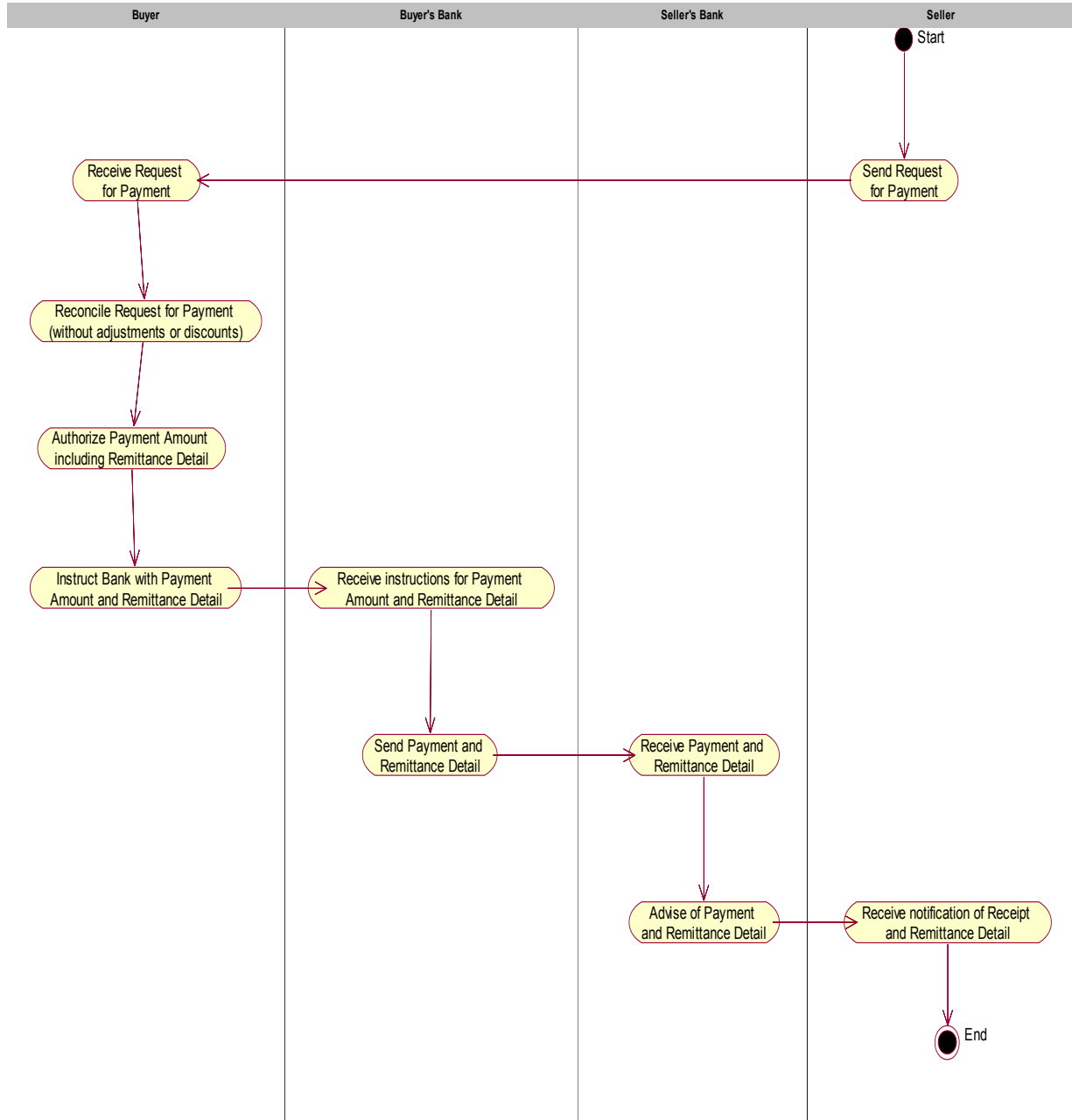
2.1.7 Process Activities

1. Seller sends request for payment to Buyer.
2. Buyer receives request for payment.
3. Buyer reconciles request for payment.
4. Buyer authorizes payment amount, including remittance detail if necessary.
5. Buyer instructs Buyer's Bank with payment amount and/or remittance detail and adjustment.
6. Buyer's Bank receives instructions for payment amount and/or remittance detail.
7. Buyer's Bank sends payment (and remittance detail) to Seller's Bank.
8. Seller's Bank receives payment and remittance detail from Buyer's Bank.
9. Seller's Bank advises Seller of payment (and remittance detail) received from Buyer's Bank.
10. Seller receives notification of payment and remittance detail from Seller's Bank.

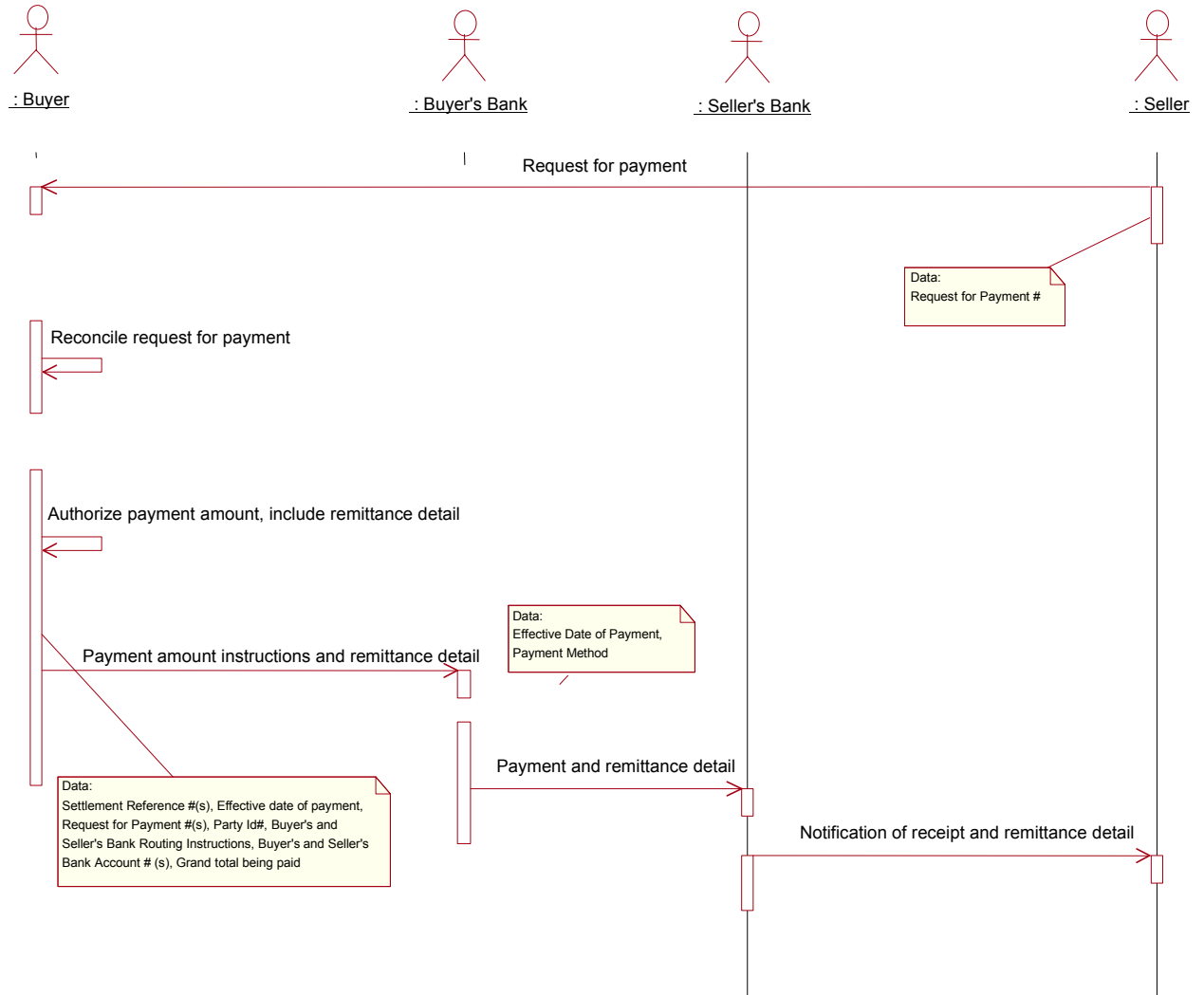
2.1.8 Sequence of Events:



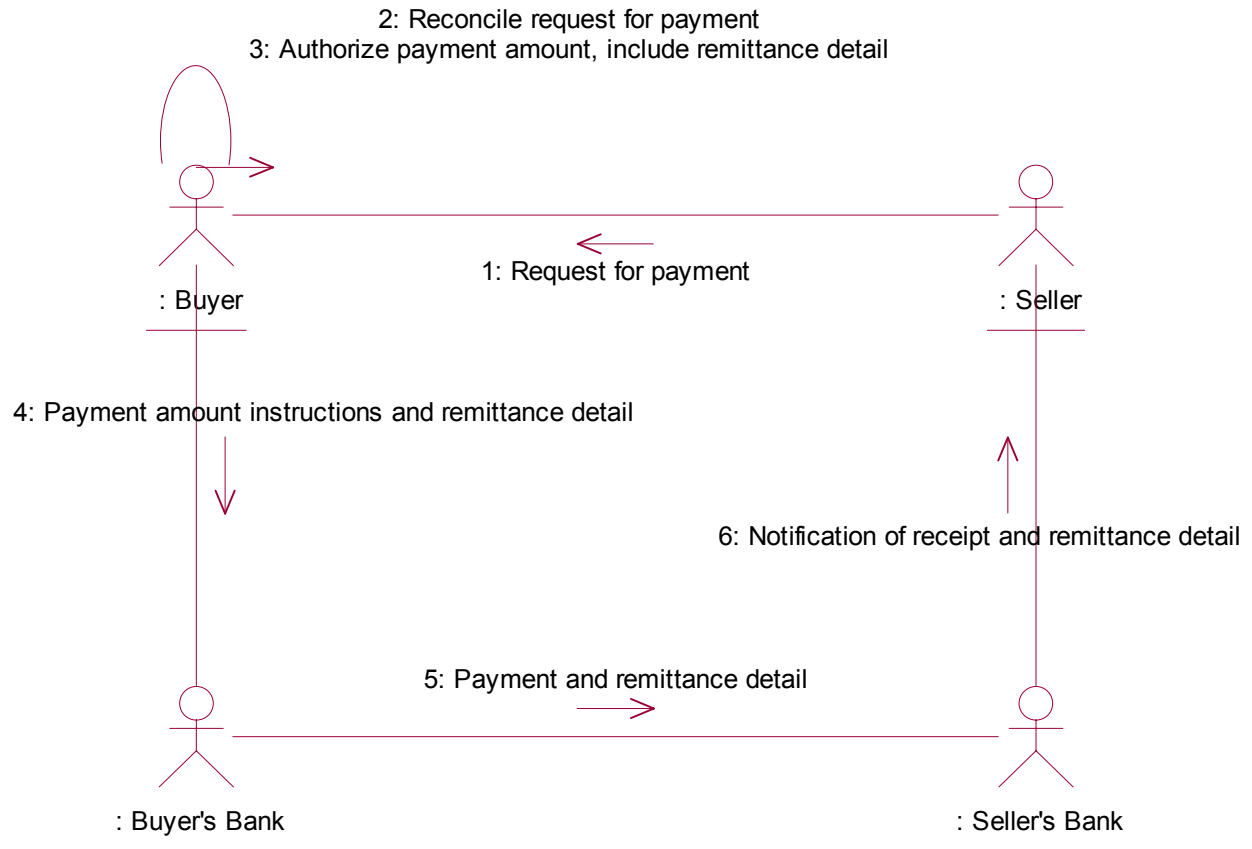
2.1.9 Activity Diagram: Send Payment and Remittance without Adjustments and/or Discounts



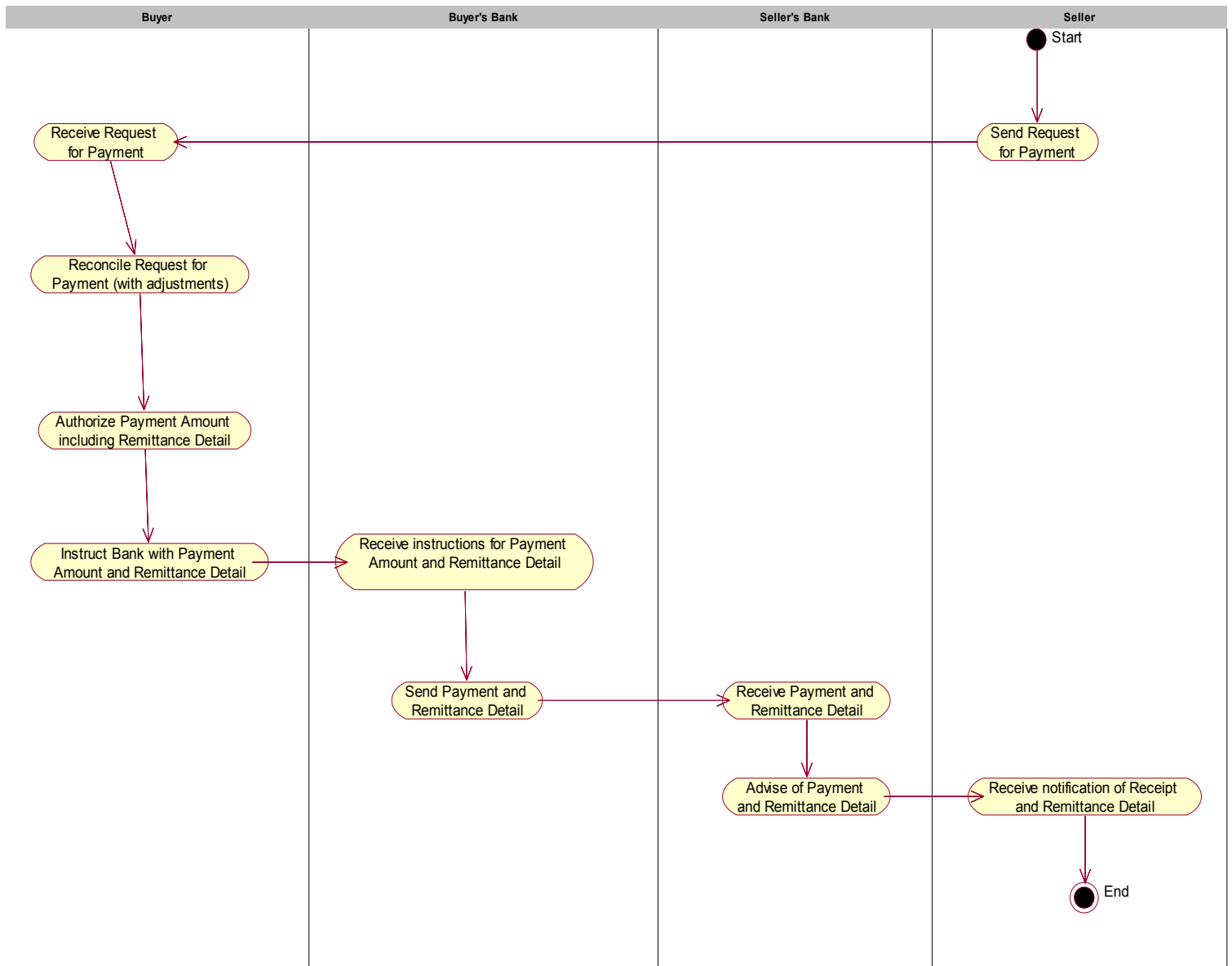
2.1.10 Sequence Diagram: Send Payment and Remittance without Adjustments and/or Discounts



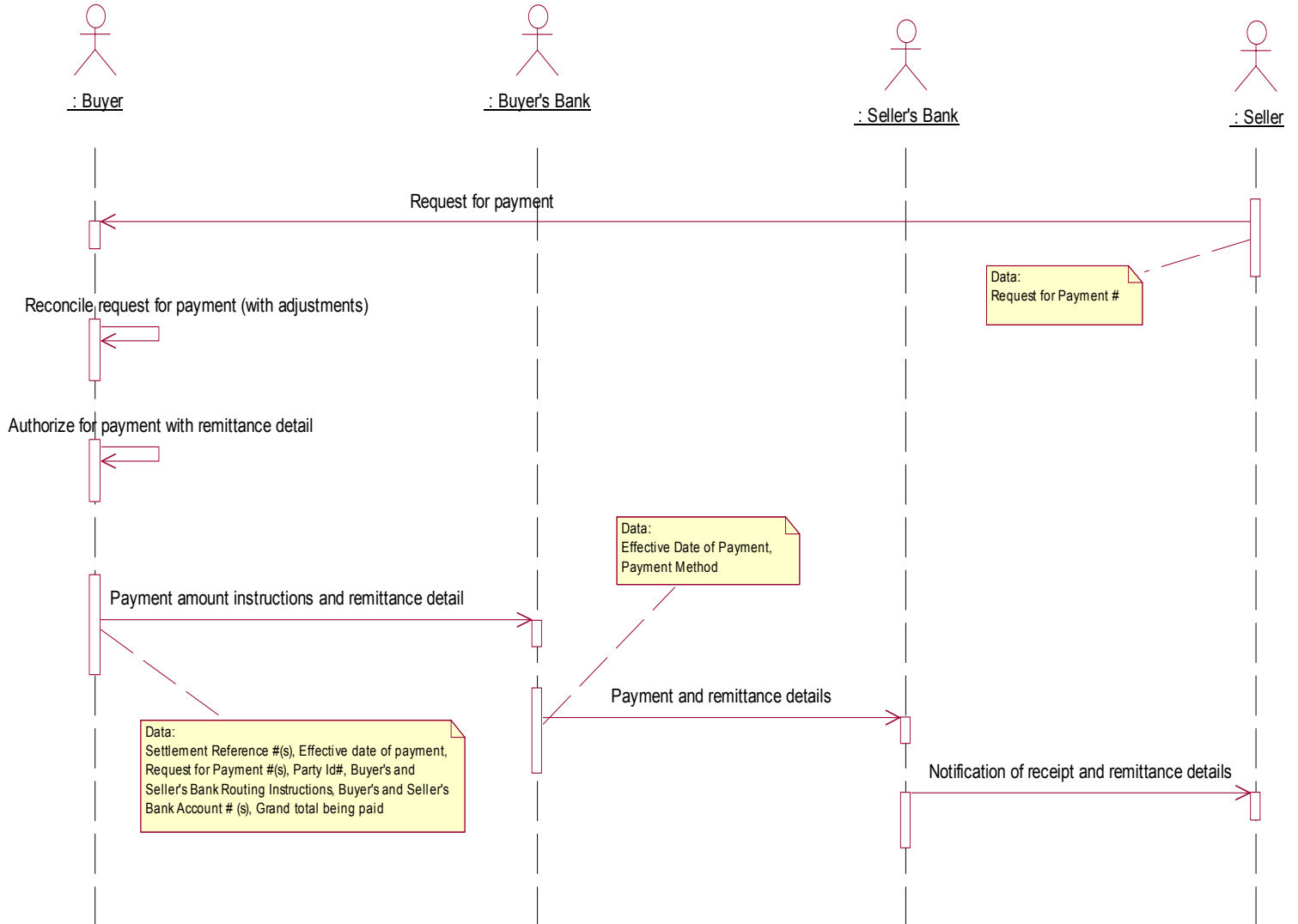
2.1.11 Collaboration Diagram: Send Payment and Remittance without Adjustments and/or Discounts



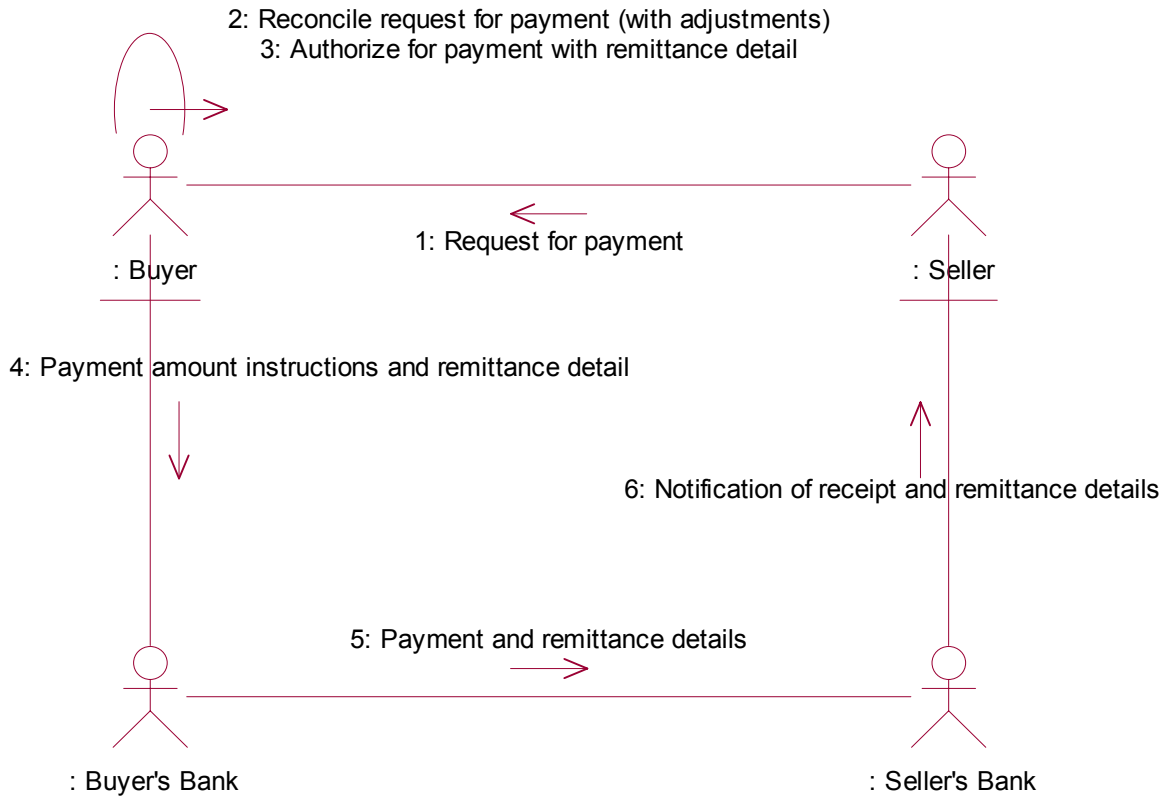
2.1.12 Activity Diagram: Send Payment and Remittance with Adjustments and/or Discounts



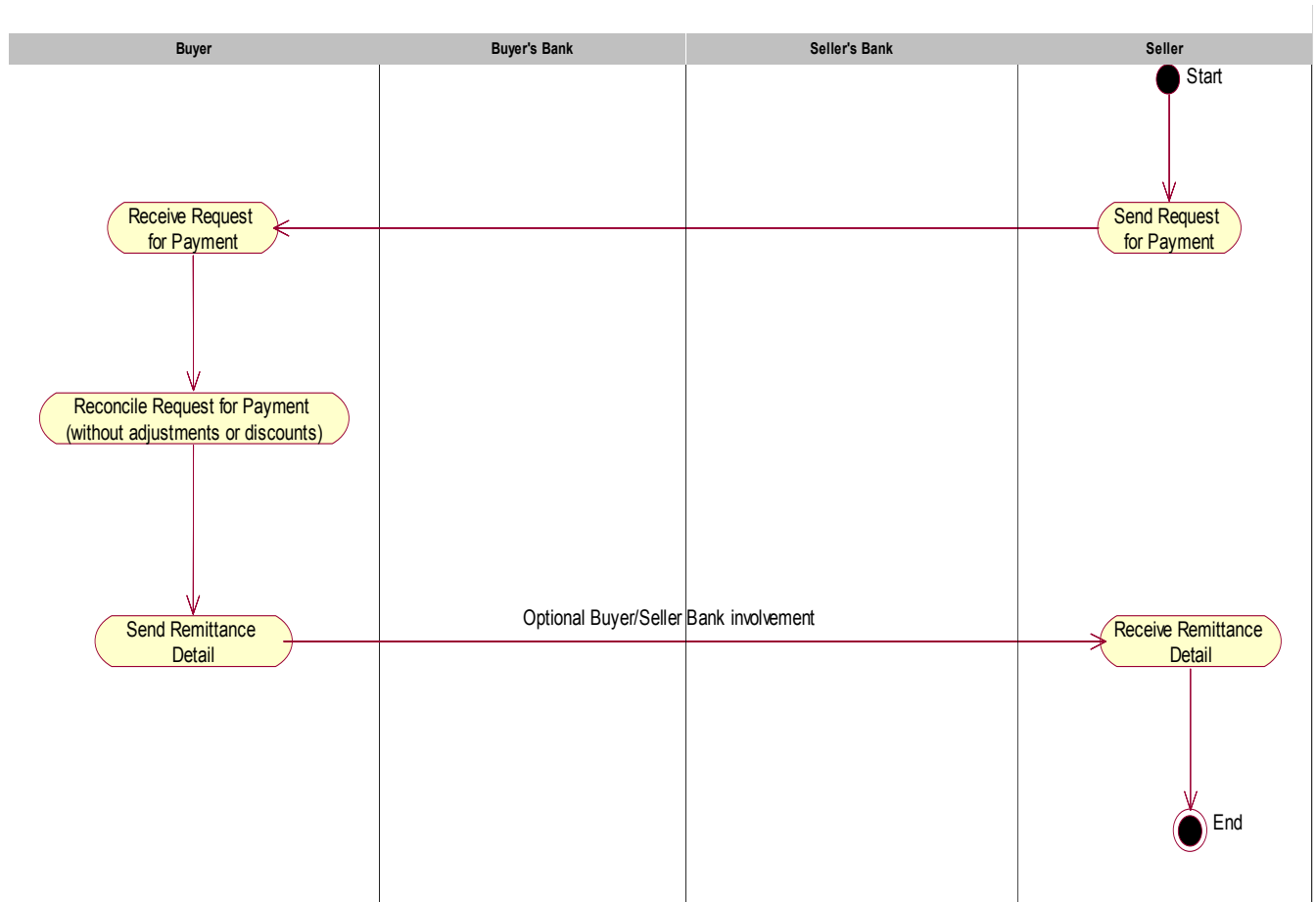
2.1.13 Sequence Diagram: Send Payment and Remittance with Adjustments and/or Discounts



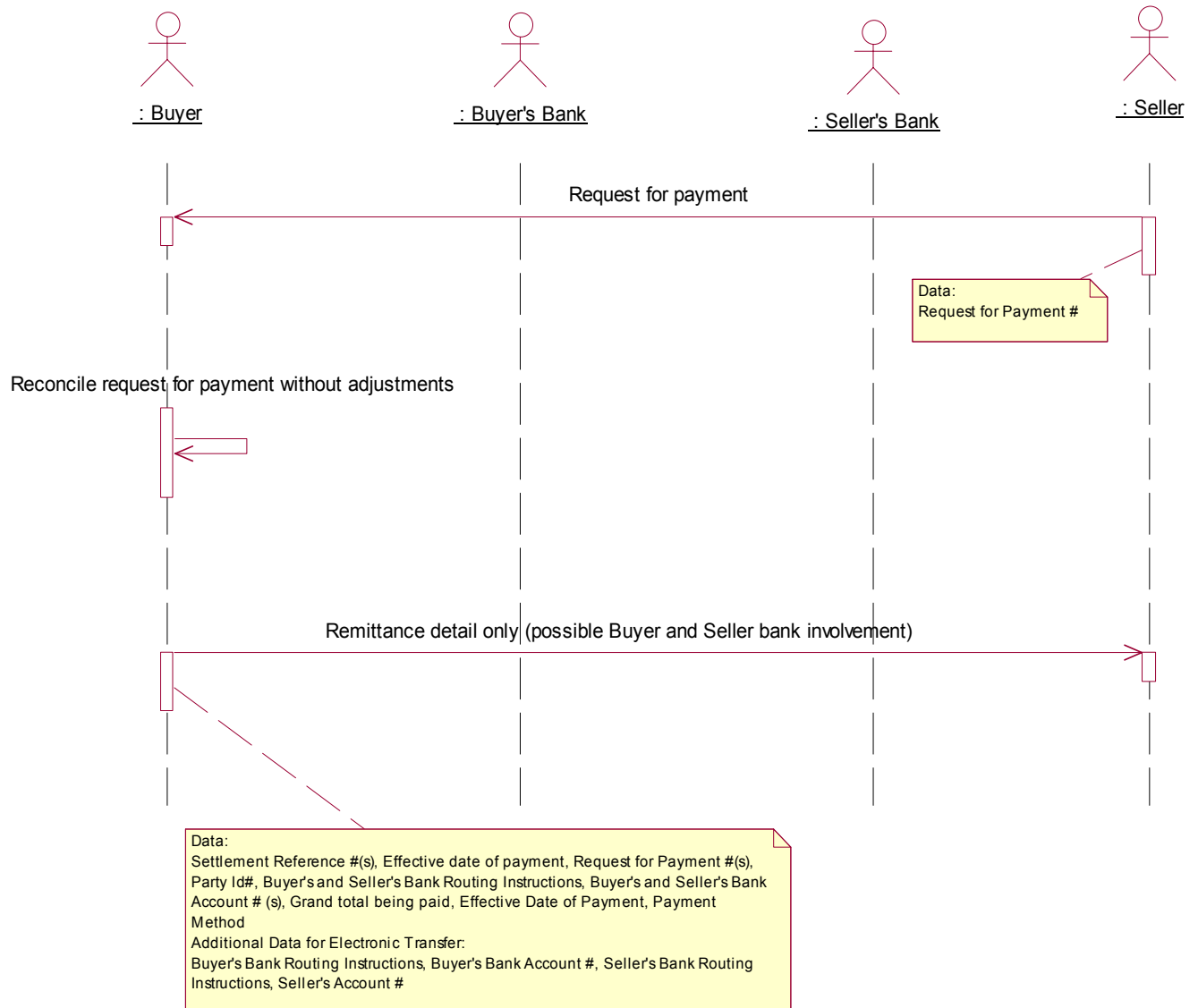
2.1.14 Collaboration Diagram: Send Payment and Remittance with Adjustments and/or Discounts



2.1.15 Activity Diagram: Send Remittance without Adjustments and/or Discounts

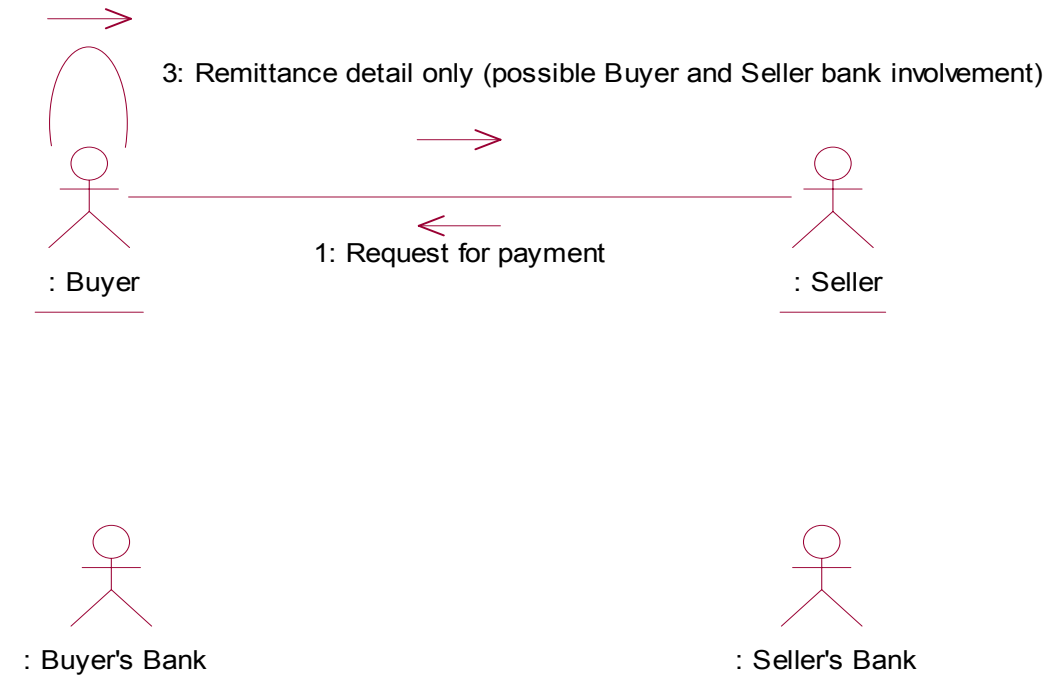


2.1.16 Sequence Diagram: Send Remittance without Adjustments and/or Discounts

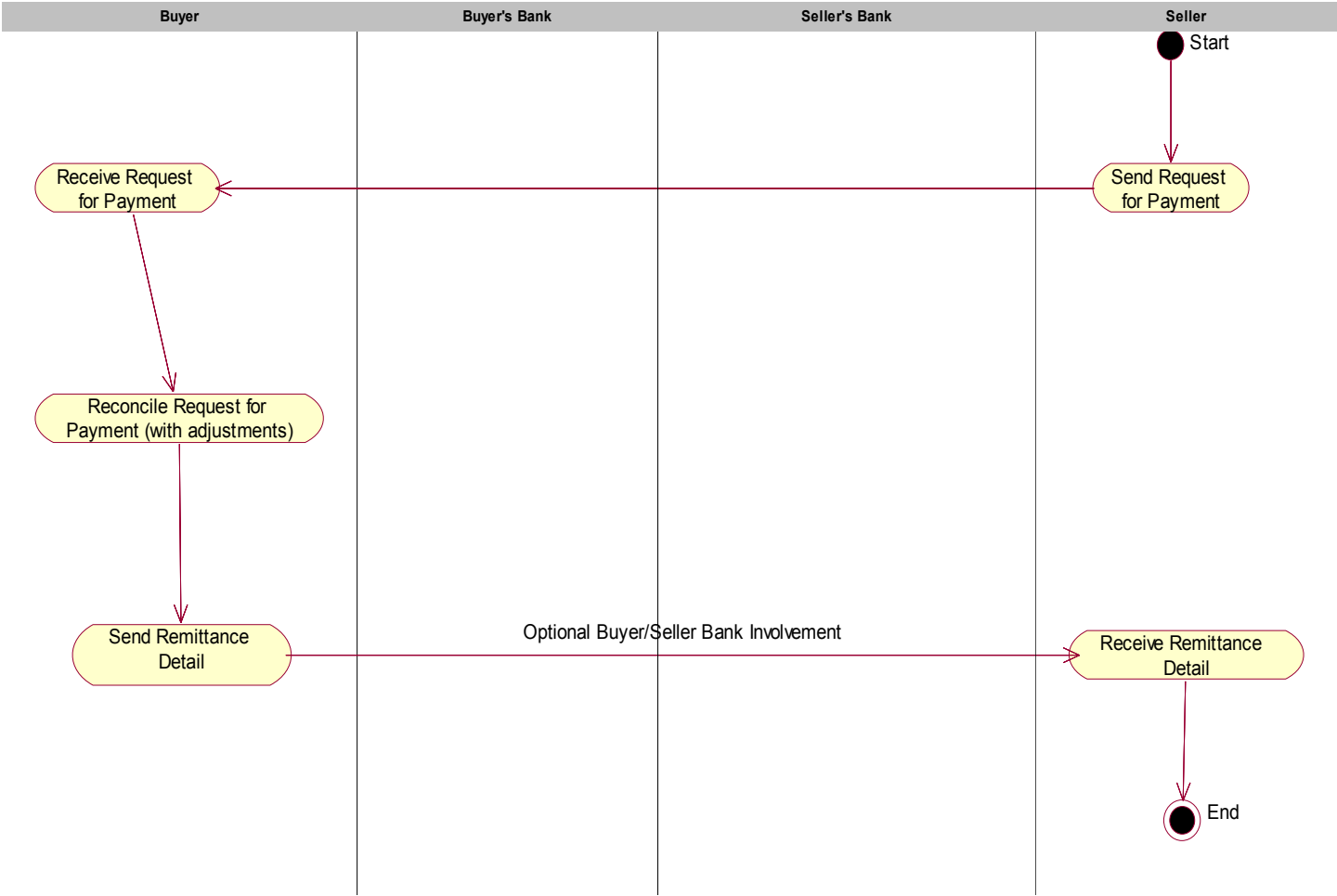


2.1.17 Collaboration Diagram: Send Remittance without Adjustments and/or Discounts

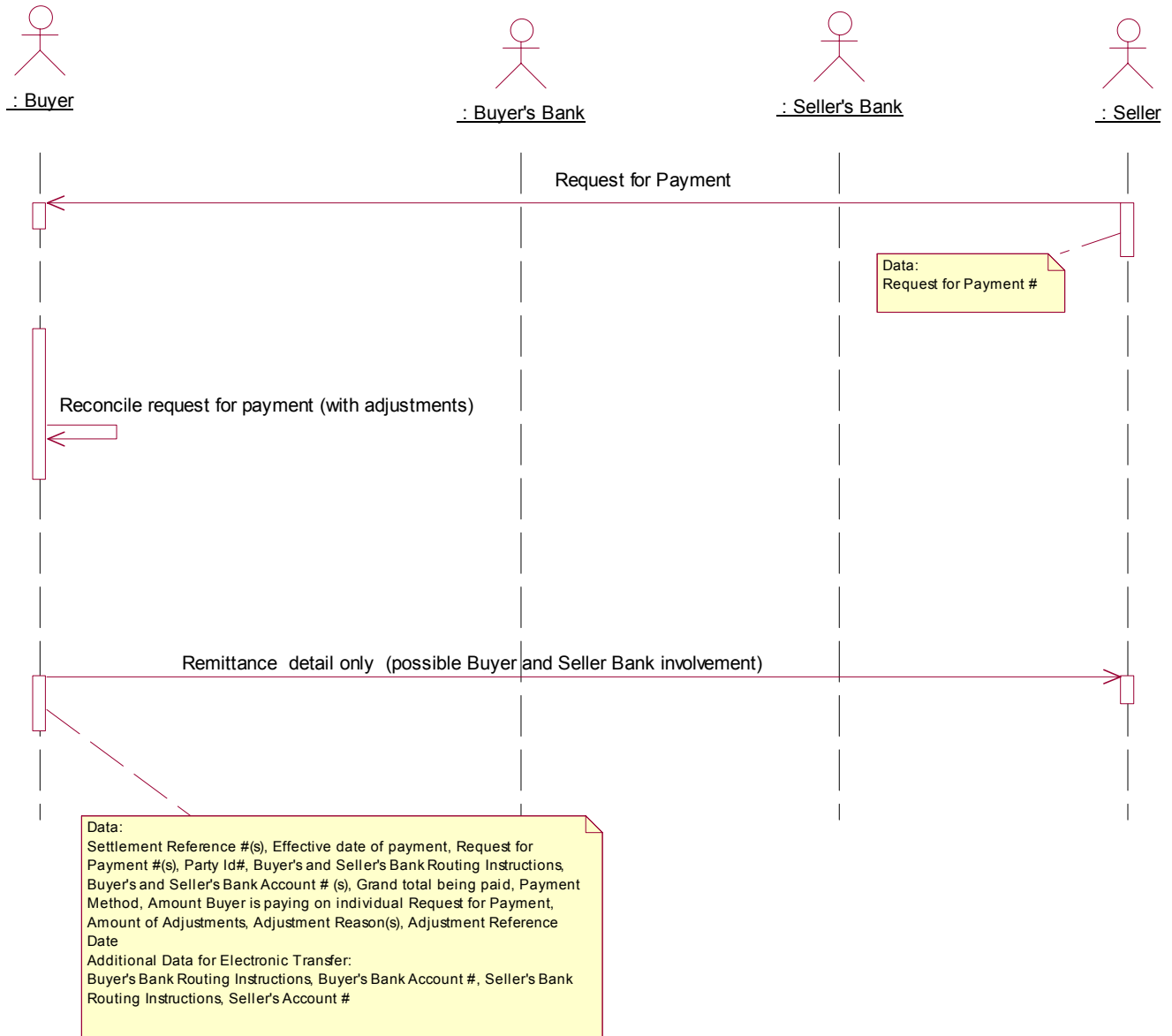
2: Reconcile request for payment without adjustments



2.1.18 Activity Diagram: Send Remittance with Adjustments and/or Discounts

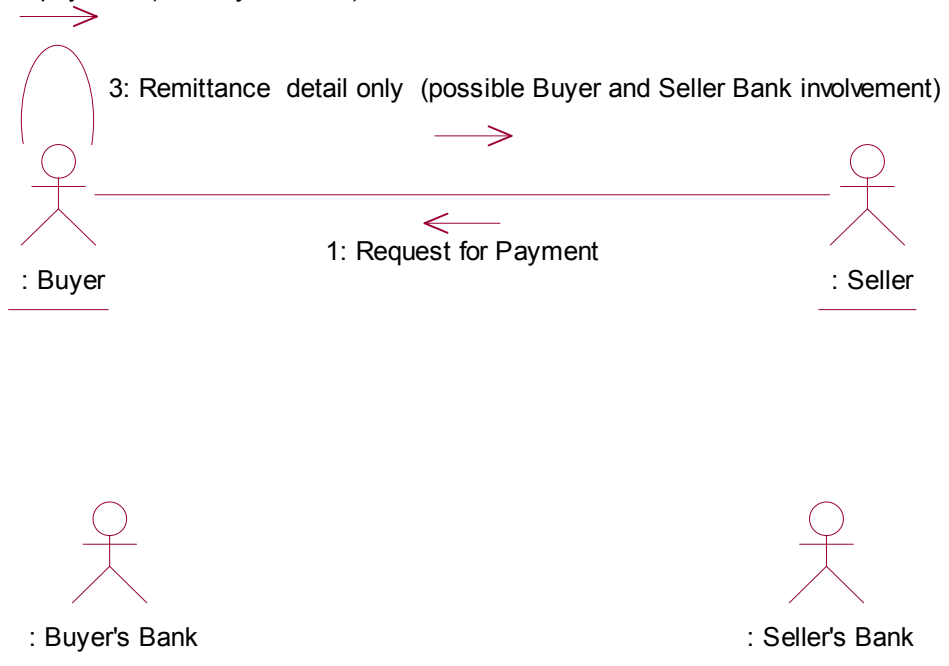


2.1.19 Sequence Diagram: Send Remittance with Adjustments and/or Discounts

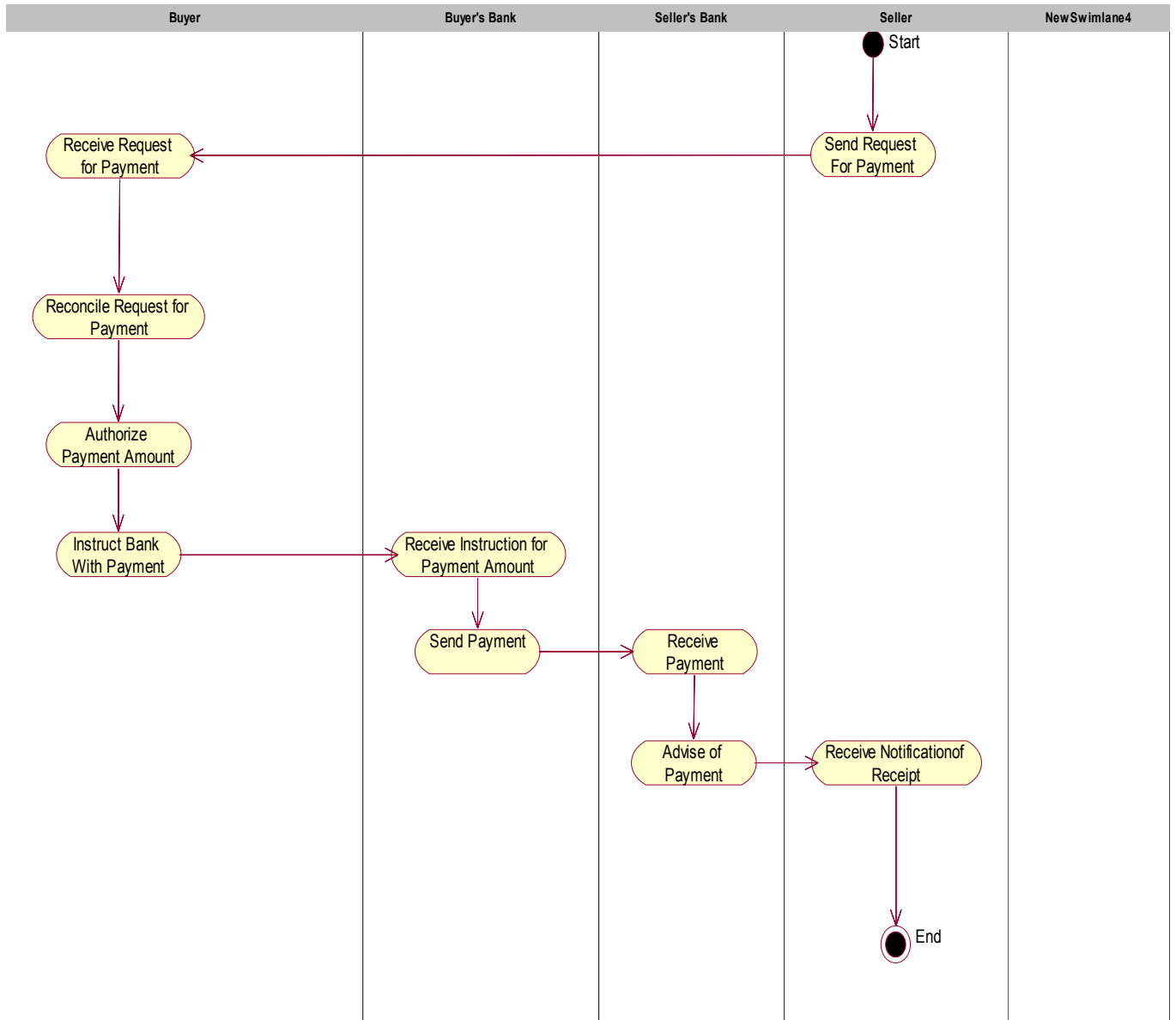


2.1.20 Collaboration Diagram: Send Remittance with Adjustments and/or Discounts

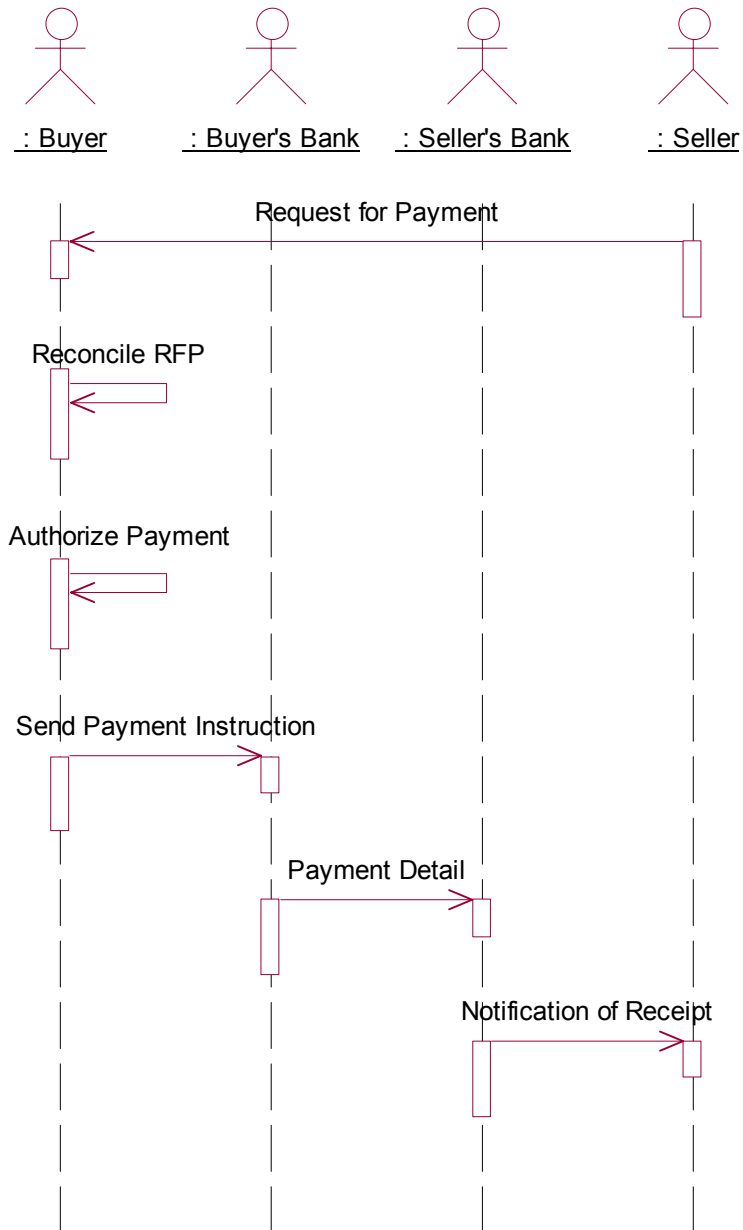
2: Reconcile request for payment (with adjustments)



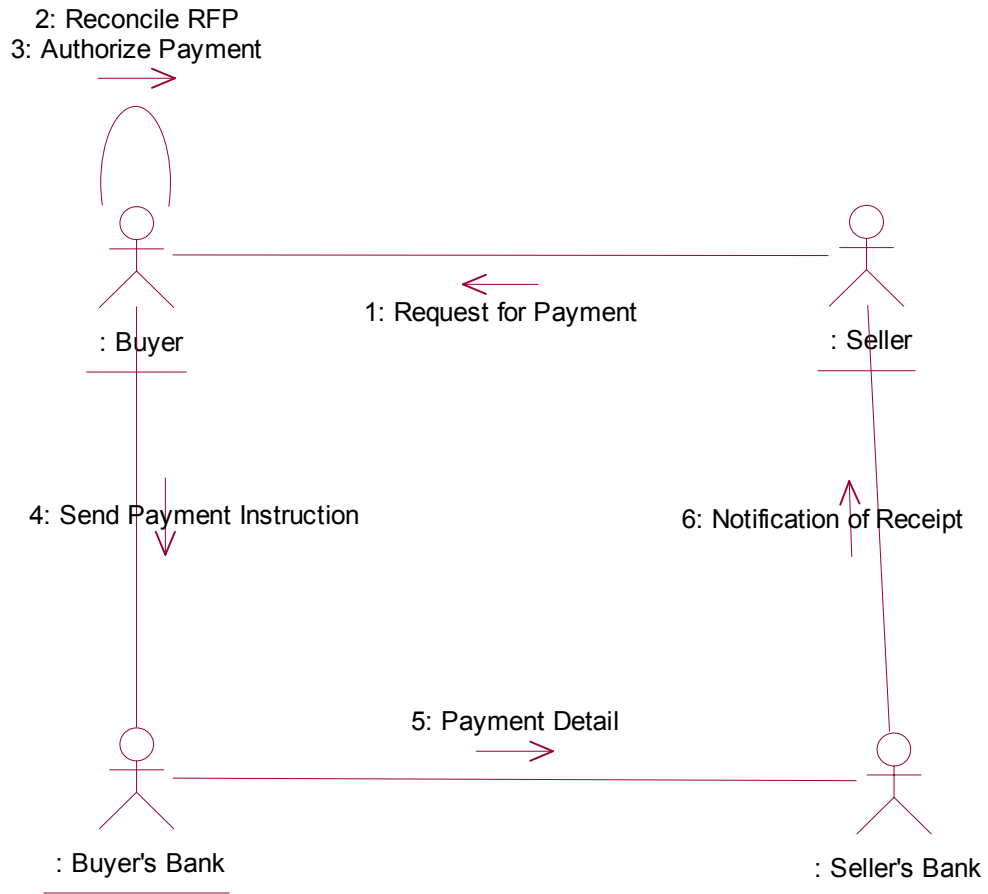
2.1.21 Activity Diagram: Send Payment



2.1.22 Sequence Diagram: Send Payment



2.1.23 Collaboration Diagram: Send Payment



3.0 Logical View

3.1 Settlement - Data Requirements

'Settlement' includes the following requirements:

Data Review: Settlement

ID	Data	Data	Data	Definition	Mandatory/Optional	Scenario				
						1	2	3	4	5
1	Reference Numbers			Unique Identifier(s) used for tracking the Settlement of Request for Payment.	Mandatory					
1a	Rev 8/31/01	Buyer Settlement Reference ID		Unique identifier issued by the Buyer (payer) used for identifying the payment transaction (Settlement of Request for Payment). A trace or control number.	Mandatory	x	x	x	x	x
1b		Batch Control Number		Unique identifier used by the Buyer (payer) for identifying the batch (transaction grouping) to which this payment belongs. A batch may consist of one or more payment instructions (Settlement of Request for Payment).	Optional	x	x	x	x	x
2a	Message Payment Information Rev 8/31/01	Payment Effective Date		Settlement Date assigned by the originator. Required for ACH and Fedwires. For ACH Credits, the day the payee receives good funds. For ACH Debits, the day the payee intends to receive good funds. For Checks, the issuance date. For FedWire, the execution date	Conditional; individual FI's may have different needs	x	x	x	x	x
3a	Rev 8/31/01	Transaction Handling Identifier	Enumeration List - select one	Code that refers to the senders action.	Mandatory	x	x	x	x	x
			C - Payment Accompanies Remittance Advice							

ID	Data	Data	Data	Definition	Mandatory/Optional	Scenario				
						1	2	3	4	5
			D - Make Payment Only							
			I - Remittance Information Only							
4a	Rev 8/31/01	Payment Method - Select One	Enumeration List - select one	Method of funds transfer between parties for this message	Mandatory	x	x	x	x	x
			ACH	Automated Clearing House						
			International Wire							
			Check	Check						
			Fed Wire Repetitive	Federal Reserve Funds/Wire Transfer - Repetitive						
			Fed Wire Non-Repetitive	Federal Reserve Funds/Wire Transfer - Non-Repetitive						
			BOP	Financial Institution Option						
4b		Credit/Debit Flag	Enumeration List - select one		Mandatory	x	x	x	x	x
			Credit	Credit to receiver, Debit to originator						
			Debit	Debit to receiver, Credit to originator						
4c	Rev 8/31/01	Payment Format	Enumeration List - select one	For ACH only	Conditional	x	x	x	x	x
			CCD	Cash Concentration/Disbursement						
			CCP	Cash Concentration/Disbursement + Addenda						
			CTX	Corporate Trade Exchange						
			PPD	Pre-Arranged Payment and Deposit						
			PPP	Pre-Arranged Payment and Deposit + Addenda						

ID	Data	Data	Data	Definition	Mandatory/ Optional	Scenario			
						1	2	3	4
5	Revised 11/26/01; Revised 2/21/2002	Financial Institution (FI) Information		Information that is used for identifying the FI(s) that will process the transaction. If the Payment Method is 'Financial Institution Option', FI information is not necessary as it resides at the FI.	Conditional , based on arrangements between FI and payer	x	x	NA	NA
5a		Buyer Information (Originator of transaction)		Buyer's financial institution information	Conditional, based on scenario				
5a1	Added 8/29/01		Account Name	Name of Account Owner of originating transaction;	Mandatory	x	x	NA	NA
5a2			Financial Institution Identifier -	Originating bank's identifier (ex: NACHA Transit Routing Number)	Mandatory	x	x	NA	NA
5a3	Rev 8/31/01		Financial Institution Identifier List- Enumeration List - select one	Enumeration List - X12 DE 506, Financial Institution Identifier (ex: ACH, SWIFT, CHIPS)	Mandatory	x	x	NA	NA
			01 - ABA Transit Routing Number						
			02 - SWIFT Identification						
			03 - CHIPS						
			04 - Canadian Bank						
5a4			Street Address City State Country	Full street address of account holder's Financial Institution	Optional; required for wire use	x	x	NA	NA
5a5			Branch	Branch identification for account holder's Financial Institution	Optional; required for wire use	x	x	NA	NA
5a6	Rev 8/29/01		Buyer Account Number Type - Enumeration List - select one	(X12 DE 569)	Revised to Optional	x	x	NA	NA
	Rev 8/31/01		01 - Time Deposit						
			03 - Checking Account						
			10 - Business Account						
5a7	Rev 9/17/01		Buyer Account Number	Buyer's bank account number	Mandatory	x	x	NA	NA
5a8	Rev 9/17/01		Other Financial Institution Identification	Text field; for financial institution identification	Optional	x	x	NA	NA

ID	Data	Data	Data	Definition	Mandatory/ Optional	Scenario				
						1	2	3	4	5
5b		Seller Information (Receiver of transaction)		Sellers financial institution information; for electronic payments	Conditional, based on scenario					
5b1	Rev 8/29/01		Account Name	Name of Account Owner receiving transaction	Mandatory	x	x	NA	NA	x
5b2			Financial Institution Identifier	Seller bank's identifier (ex: NACHA Transit Routing Number)	Mandatory	x	x	NA	NA	x
5b3			Financial Institution Identifier List	Enumeration List - X12 DE 506, Financial Institution Identifier (ex: ACH, SWIFT, CHIPS)	Mandatory	x	x	NA	NA	x
5b4	Rev 9/17/01		Street Address City State Country	Full street address of account holder's Financial Institution	Optional; for wire use	x	x	NA	NA	x
5b5	Rev 9/17/01		Branch	Branch identification for account holder's Financial Institution	Optional; for wire use	x	x	NA	NA	x
5b6	Rev 8/29/01		Seller Account Number Type- Enumeration List - select one	(X12 DE 569)	Revised to Optional	x	x	NA	NA	x
	Rev 8/31/01		01 - Time Deposit							
			03 - Checking Account							
			10 - Business Account							
5b7			Seller Account Number	Seller's bank account number	Mandatory	x	x	NA	NA	x
5b8			Other Financial Institution Identifier	Text field; for financial institution identification	Optional	x	x	NA	NA	x
6a		Total Payment Amount	Amount	Total monetary value for this message. For US ACH, amount may not exceed 99999999.99.	Mandatory	x	x	x	x	x
6b	Rev 8/29/01		Currency	Currency Code - from ISO list; currency of the payment	Mandatory	x	x	x	x	x

ID	Data	Data	Data	Definition	Mandatory/ Optional	Scenario				
						1	2	3	4	5
7	Settlement Line Item			This section provides detailed information about the payment. (settlement detail for the receiver).	Used as indicated below					
7a		Settlement Line Item Number		Unique identifier for this 'line's information detail	Mandatory	x	x	x	x	NA
7b		Referenced Message		Refers to a request for payment.	Used as indicated					
7b1			Request for Payment Reference ID originally issued by seller	Reference identifier issued by seller (date and ID of original RFP)	Mandatory	x	x	x	x	NA
7b2	Added 2/21/2002		Request for Payment Date issued by seller	Date of referenced Request for Payment	Optional	x	x	x	x	NA
7b3			Original Request for Payment Amount	Payment amount listed on referenced message	Optional	x	x	x	x	NA
7b4			Original Request for Payment Amount	Payment currency	Mandatory if 7b3 is sent	x	x	x	x	NA
7b5	Added 2/21/2002		Net Payment Amount	Net amount of the payment	Optional	NA	x	NA	x	NA
7b6			Net Payment Amount Currency	Payment currency	Mandatory if 7b5 is sent	NA	x	NA	x	NA
7c	Rev 2/21/2002 -	Adjustment Detail		Adjustment information may pertain to a settlement detail line item (an 'associated adjustment) OR may represent an 'adjustment' alone. Adjustment Detail may use either or both of Adjustment Reference and Adjustment Message.	Used as indicated below					

ID	Data	Data	Data	Definition	Mandatory/ Optional	Scenario				
						1	2	3	4	5
7c1	Rev 2/21/2002 - NOT USED		Amount Paid on Individual Request for Payment	Original Request for Payment Amount minus Adjustment Amount (used with adjustments only)	Mandatory	NA	x	NA	x	NA
7c2	Rev 2/21/2002 - NOT USED		Currency	Currency Code - from ISO list (which currency)	Mandatory; tied to 7c1	NA	x	NA	x	NA
7c3			Adjustment Amount	Monetary amount of adjustment	Mandatory	NA	x	NA	x	NA
7c4			Currency	Currency Code from ISO list	Mandatory; tied to 7c3	NA	x	NA	x	NA
7c5	Rev 8/29/01; 2/21/2002		Adjustment Message	Message describing adjustment - code/text; use EDI data element 426 VICS list	Optional -	NA	x	NA	x	NA
7c6	Added 2/21/2002		Adjustment Message Source	Code identifying source or owner of message list; Examples would be X12, UN/CEFACT, etc. May be proprietary; includes DE 426 from UCS and VICS.	Mandatory if 7c5 is used	NA	x	NA	x	NA
7c7	Rev 8/29/01		Adjustment Reference Identifier	References the typedEntityIdentification of the Debit/Credit Advice document - includes document name, data	Optional -	NA	x	NA	x	NA
7c8	Rev 8/29/01; NOT USED		Adjustment Reference Date	Date of Debit/Credit Advice document	Mandatory if 7c7 is used	NA	x	NA	x	NA
7c9	Revised 5/21/02		Alternate Payment Reference List-if used, select one	Other referenced information relevant to the adjustment - Department Number, Location Number, Other Request for Payment Identification, PRO Number, Return Goods Authorization Number, Seller Authorization Allowance Number, Store Number	Optional -	NA	x	NA	x	NA
7c 10			Value	String value for above;	Conditional - required if 7c9 is used	NA	c	NA	c	NA

ID	Date	Date	Date	Definition	Mandatory/O ptional	Scenario				
						1	2	3	4	5
8	Party Identification			Global Location Number or Alternate ID for the trading partners	Must select one pairing of seller / bank to buyer /bank					
8a		Seller		Seller's unique identifier	Conditional	x	x	x	x	x
8b		Buyer		Buyer's unique identifier	Conditional	x	x	x	x	x
8a		Seller's bank		Seller's unique identifier	Conditional	x	x	x	x	x
8b		Buyer 's bank		Buyer's unique identifier	Conditional	x	x	x	x	x
	Notes:									
		x - Denotes a field that may be used in the scenario.								
		Check the Mandatory/Optional column for further guidelines.								

4.0 Settlement Data Attribute List:

This section refers to the class diagram for the 'Settlement' scenario. The color-coding on the diagram is as follows:

- Red indicates that the class is the root class for the diagram.
- Grey indicates that the class is outside of or external to the root class.
- Yellow indicates that the class pertains specifically to the root class.
- Green indicates notes.

The 'Settlement' classes are pictured and are listed alphabetically. These include:

- Adjustment And Discount
- Adjustment Reason
- Alternate Payment Reference
- Alternate Payment Reference List
- Debit Credit Indicator List
- Document
- Entity Identification
- Financial Institution Information
- Line Item
- Party Identification
- Payment Information
- Payment Method
- Request For Payment Information
- Settlement
- Settlement Line Item
- Settlement Party
- Settlement Reference
- Transaction Handling Identifier List

4.1 Adjustment and Discount

1. Adjustment And Discount class is optional and possible multiple occurrence.
2. Adjustment And Discount class has one optional association to Settlement Reference class.
3. There is a mandatory choice between Adjustment Reason and Alternate Payment Reference.
4. The class contains one attribute.
 - Amount: Monetary amount of adjustment including currency.

4.2 Adjustment Reason

1. This external class originates from Pay Common.
2. Adjustment Reason may be used to qualify the Adjustment.
3. Adjustment Reason class has two mandatory associations.

- a. The first mandatory association exists to Source Code List class, which identify the source of the code.
 - b. The second mandatory association exists to Message Reason List class, which identify the message reason.
4. The class contains no attributes.

4.3 Alternate Payment Reference

1. The alternate payment reference class may be used to qualify the adjustment amount.
2. The class contains one attribute.
 - Value

4.4 Alternate Payment Reference List

1. The Alternate Payment Reference List class is mandatory if alternate payment reference class is used to qualify the adjustment.
2. This is an enumerated class, and one of the seven defined attributes must be selected.
 - Department Number
 - Location Number
 - Other Request For Payment Identification
 - PRO Number
 - Return Goods Authorization Number
 - Seller Authorization Allowance Number
 - Store Number

4.5 Debit Credit Indicator List

1. This external class originates from Pay Common.
2. This is a mandatory enumerated class.
3. One of the defined attributes must be selected.
 - Credit: Selection of 'Credit' denotes that an allowance (reduction) is being applied to a monetary amount. Credit to receiver and debit to originator.
 - Debit: Selection of 'Debit' denotes that a charge (increment) is being applied to a monetary amount. Debit to receiver and credit to originator.

4.6 Document

1. This external class originates from Document.
2. It contains four attributes.
 1. Content Version: This is a version number for the content of the document.
 2. Creation Date: This is the date the message was created. The format is 'YYYYMMDDTHHMMSS'.
 3. Document Structure Version: This is a version number for the structure of the document
 4. Last Update Date: This is the last update date for the specific document. The format is 'YYYYMMDD'.

4.7 Entity Identification

1. This external class originates from Entity Identification
2. The unique identification for the settlement and reference identification is mandatory.
3. The class contains one attribute
 - Unique Creator Identification: Unique Creator Identification

4.8 Financial Institution Information

1. This external class originates from Pay Common.
2. Financial Institution Information class is optional with two role names of buyer Financial Information and seller Financial Information.
3. Financial Institution Information class has three optional associations.
4. The first optional association exists to Routing Number class.
5. The second optional association exists to Account Number class.
6. The third optional association exists to Name And Address class with a role name of financial Institution Name And Address.
7. The class contains three attributes.
 - Account Name: Name of Account Owner receiving transaction
 - Additional Financial Information (Optional)
 - Branch (Optional): Branch identification for account holder's Financial Institution

4.9 Line Item

1. This external class originates from Document.
2. Settlement Line Item class inherits from the Line Item.
3. The class contains one attribute.
 - Number: This is the line item number represented in integer.

4.10 Party Identification

1. This external class originates from Party Identification.
2. There are four optional roles of buyer, buyer's bank, seller, and seller's bank.
3. It is required to choose a pairing for the settlement party.
4. The class contains no attributes.

4.11 Payment Information

1. Payment Information class is mandatory.
2. Payment Information class has three mandatory association.
3. The first mandatory association exists to Debit Credit Indicator List class to identify if the payment information is a debit or a credit.
4. The second mandatory association exists to Payment Method class to identify the payment method.
5. The third mandatory association exists to Transaction Handling Identifier List class with a role name of transaction Handling Identifier.

6. The class contains two attributes to hold the settlement amount with currency and payment effective date.
 - Payment Effective Date (Optional)
 - Settlement Amount

4.12 Payment Method

1. This external class originates from Pay Common.
2. This class is mandatory.
3. This identifies the payment method type.
4. If Automated Clearing House is the payment method type, the payment format must be supplied.
5. The class contains no attributes.

4.13 Request for Payment Information

1. Request For Payment Information class is mandatory.
2. The class contains one attribute.
 - Original Amount (Optional):

4.14 Settlement

1. Settlement class is the root of the settlement class diagram.
2. This Settlement class inherits attributes from the Document class.
3. There is one optional and possible multiple occurrence association to the Settlement Line Item class with role names of line Item.
4. There are two optional associations to the Financial Institution Information class with role names of buyer Financial Information and seller Financial Information.
5. There is one mandatory association to Settlement Party to select a pair of party identification.
6. There is one mandatory association to the Entity Identification class to uniquely identify the settlement document.
7. There is one mandatory association to the Payment Information class.
8. The class contains one attribute to hold the batch identification.
 - Batch Identification (Optional)

4.15 Settlement Line Item

1. Settlement Line Item class is optional with possible multiple occurrence.
2. Settlement Line Item class inherits Line Item class.
3. Settlement Line Item class has one mandatory association to Request For Payment Information class.
4. There is an optional association to Adjustment And Discount class.
5. The class contains one attribute.
 - Amount Paid: Amount paid including currency.

4.16 Settlement Party

1. This class is mandatory.
2. It is required to choose two roles of party identification.
 - a. Buyer
 - b. Buyers bank
 - c. Seller
 - d. Sellers bank
3. The class contains no attribute.

4.17 Settlement Reference

1. This class is optional when there is an adjustment identification.
2. This class is mandatory when there is a request for payment identification.
3. If settlement reference class is used then Entity Identification class is mandatory.
4. The class contains one attribute to hold the creation date.
 - Creation Date (Optional)

4.18 Transaction Handling Identifier List

1. The Transaction Handling Identifier List class is mandatory.
2. This is an enumerated class, and one of the three defined attributes must be selected.
 - C_PAYMENT_ACCOMPANIES_REMITTANCE_ADVICE
 - D_MAKE_PAYMENT_ONLY
 - I_REMITTANCE_INFORMATION_ONLY

5.0 Global Data Dictionary: Data Attributes for Settlement

AdjustmentAndDiscount

amount: Monetary amount of adjustment including currency.

AlternatePaymentReference

value: TBD

AlternatePaymentReferenceList

DEPARTMENT_NUMBER
LOCATION_NUMBER
OTHER_REQUEST_FOR_PAYMENT_IDENTIFICATION
PRO_NUMBER
RETURN_GOODS_AUTHORIZATION_NUMBER
SELLER_AUTHORIZATION_ALLOWANCE_NUMBER
STORE_NUMBER

PaymentInformation

paymentEffectiveDate: TBD
settlementAmount: TBD

RequestForPaymentInformation

originalAmount: TBD

Settlement

batchIdentification: TBD

SettlementLineItem

amountPaid: TBD

SettlementParty

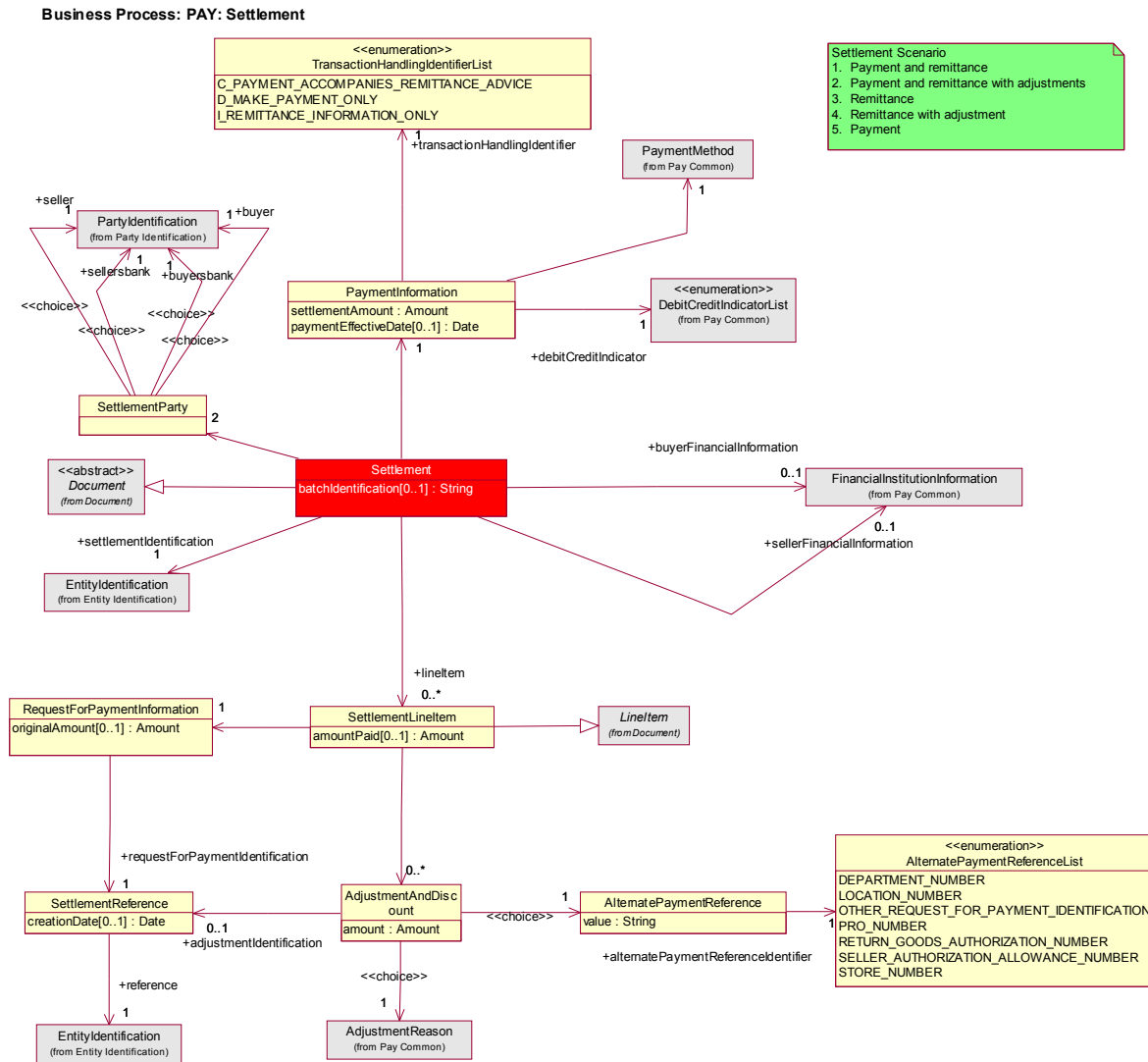
SettlementReference

creationDate: TBD

TransactionHandlingIdentifierList

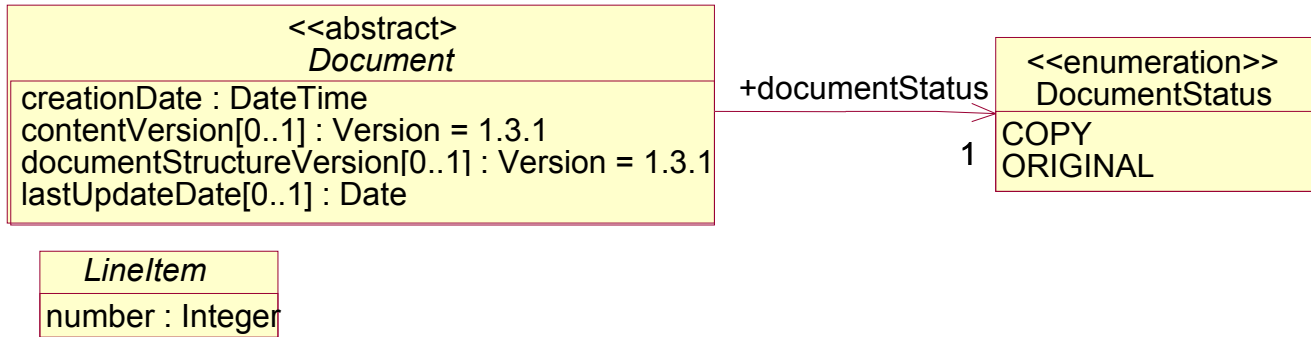
C_PAYMENT_ACCOMPANIES_REMITTANCE_ADVICE
D_MAKE_PAYMENT_ONLY
REMITTANCE_INFORMATION_ONLY

Appendix 1 Class Diagram For Settlement



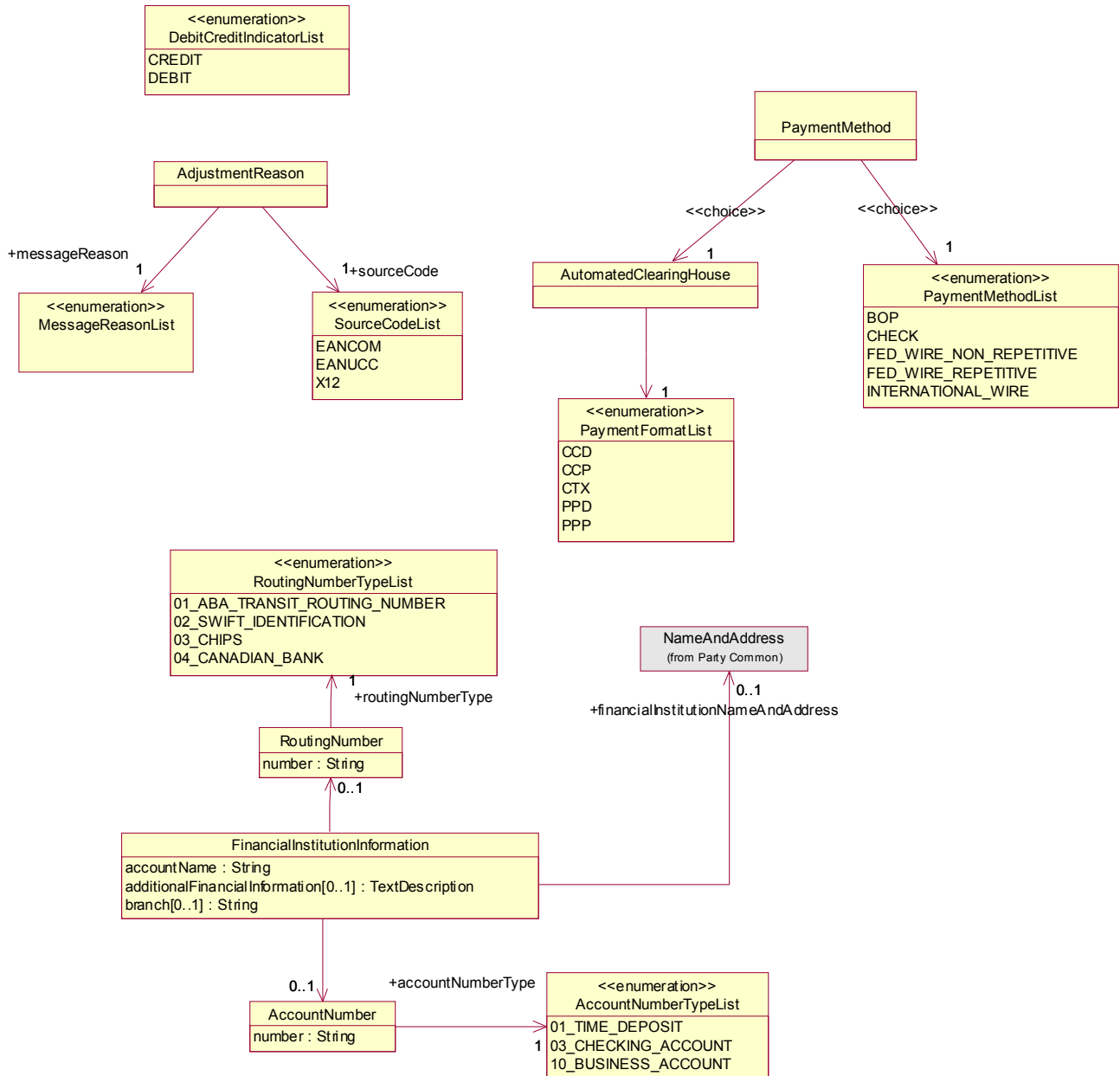
Appendix 2 Class Diagram From Document

Common Library: Common: Components: Document



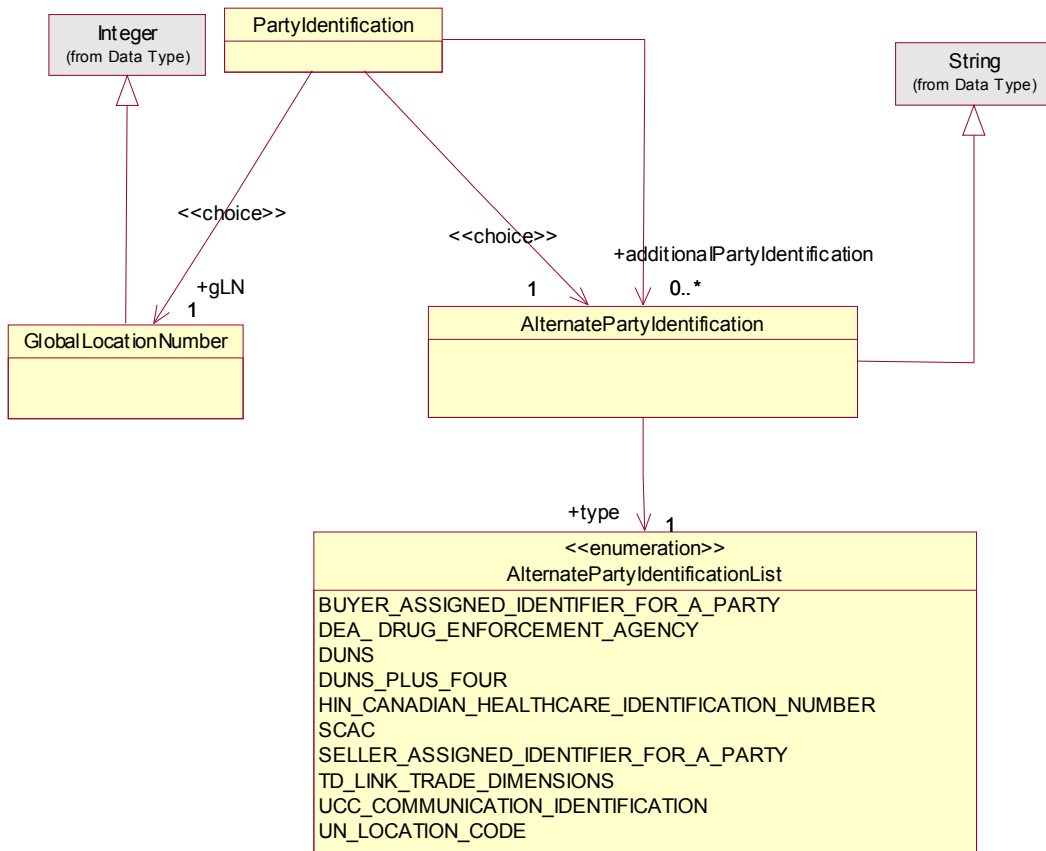
Appendix 3 Class Diagram From Pay Common

Business Process: PAY: Pay Common



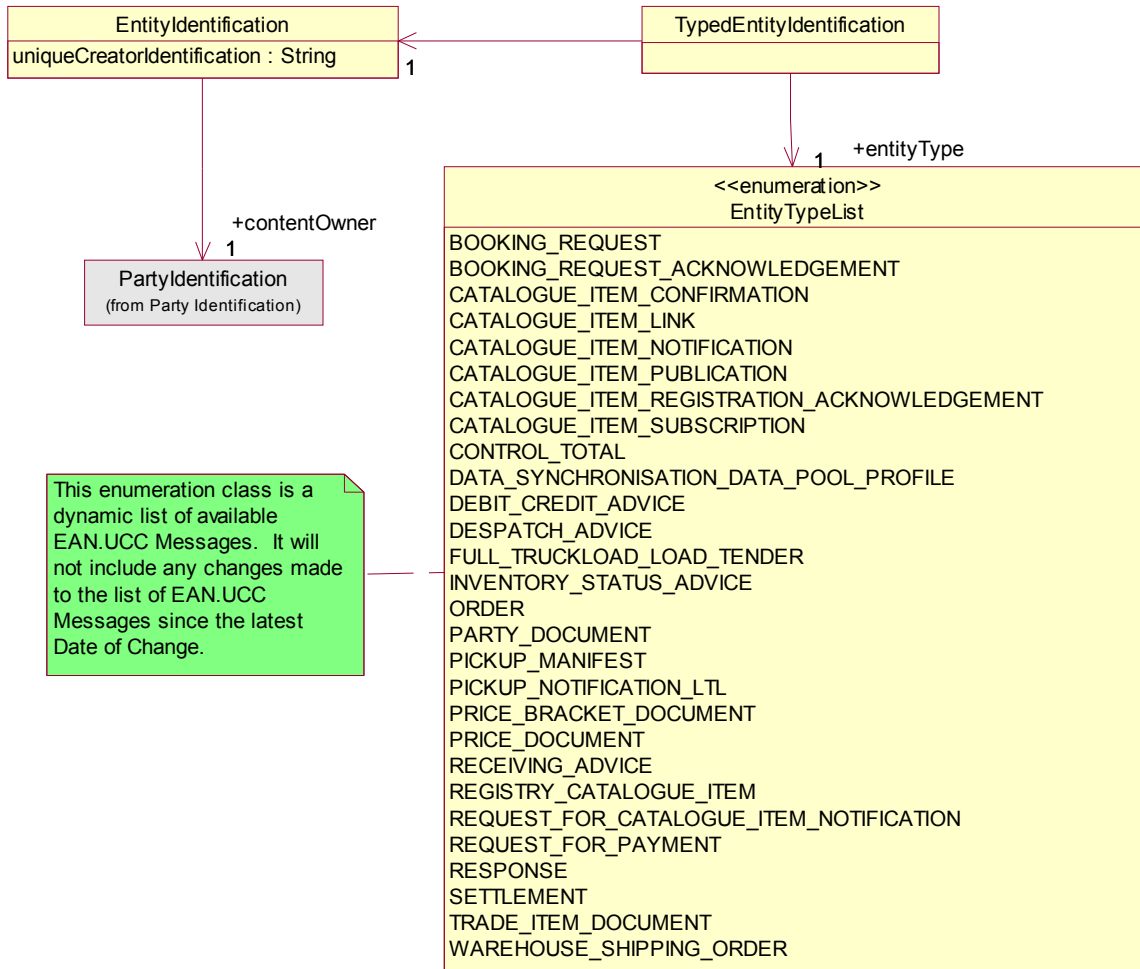
Appendix 4 Class Diagram From Party Identification

Common Library: Common: Identification: Party Identification



Appendix 5 Class Diagram From Entity Identification

Common Library: Common: Identification: Entity Identification



Appendix 6 Class Diagram From Party Common

Business Process: ALIGN: Party: Party Common

NameAndAddress
city : String
countryISOCode : CountryISOCode
languageOfTheParty : Language
name : String
currency[0..1] : CurrencyISOCode
pOBoxNumber[0..1] : String
postalCode[0..1] : String
provinceCode[0..1] : String
state[0..1] : String
streetAddressOne[0..1] : String
streetAddressTwo[0..1] : String

Style Sheet

Description

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

HTML Example

Message MSG-123

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

Settlement Document	Creator ID = SET009	Content Owner = 0614141000012
----------------------------	----------------------------	--------------------------------------

Document Information

Creation Date	June 28, 2001 12:13:14	Last Update Date	June 28, 2001
Content Version	1.3.1	Doc Structure Version	1.3.1
Status	ORIGINAL		

Settlement Information

Batch Identification	BID009
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Payment Information

Settlement Amount	1000 USD	Payment Method	CHECK
Debit Credit Indicator	CREDIT	Transaction Handling Identifier	D_MAKE_PAYMENT_ONLY
Payment Effective Date	August 13, 2004		

Buyer Financial Information

Account Name	Joe Doe	Branch	Philadelphia, Center City
Account Number	361201555	Account Number Type	01_TIME_DEPOSIT
Routing Number	300201555	Routing Number Type	01_ABA_TRANSIT_ROUTING_NUMBER
Name	Commerce Bank	Address	78 3rd St.. Philadelphia, PA 11735 US
Language	en		
Currency			

Seller Financial Information

Account Name	OJ Sellers Inc.	Branch	String
Account Number	361201777	Account Number Type	01_TIME_DEPOSIT
Routing Number	300201555	Routing Number Type	01_ABA_TRANSIT_ROUTING_NUMBER
Name	Commerce Bank	Address	78 3rd St.. Philadelphia, PA 11735 US
Language	en		
Currency			

Line Item 1

Amount Paid	500 USD		
Request for Payment Information			
Original Amount	10.2 USD	Settlement Ref. Creation Date	August 13, 2004
Settlement Ref. Creator ID	RFP009	Content Owner	0614141000012
Adjustments and Discounts			

Adjustment/Discount 1

Amount	250 USD	Adjustment Creation Date	
Adjustment Ref. Creator ID	DBC001	Content Owner	0614141000012
Alt. Payment Ref. Type Value	APR125T	Alt. Payment Ref. Type Identifier	DEPARTMENT_NUMBE R

Adjustment/Discount 2

Amount	250 USD	Adjustment Creation Date	August 13, 2002
Adjustment Ref. Creator ID	BCD002	Content Owner	0614141000012
Adjustment Reason Message Reason	29	Adjustment Reason Source Code	X12

Line Item 2

Amount Paid 500 USD
Request for Payment Information

Original Amount	2000 USD	Settlement Ref. Creation Date	August 13, 2004
Settlement Ref. Creator ID	RFP008	Content Owner	0614141000012

Adjustments and Discounts**Adjustment/Discount 1**

Amount	250 USD	Adjustment Creation Date	
Adjustment Ref. Creator ID	BDC003	Content Owner	0614141000012
Alt. Payment Ref. Type Value	007	Alt. Payment Ref. Type Identifier	STORE_NUMBER

Adjustment/Discount 2

Amount	250 USD	Adjustment Creation Date	
Adjustment Ref. Creator ID	BDC004	Content Owner	0614141000012
Adjustment Reason Message	29	Adjustment Reason Source Code	X12

Global Data Dictionary

Settlement Class Data Descriptions v1.3.1

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
AccountNumber				Identifies the account number.		O	Components
			number	String		M	
AccountNumberTypeList	accountNumberType			Identifies the type of account number. Is Mandatory if there is an account number for the financial institution information		M	Components
		01_TIME_DEPOSIT		Time Deposit			
		03_CHECKING_ACCOUNT		Checking Account			
		10_BUSINESS_ACCOUNT		Business Account			
AdjustmentReason				This external class originates from Pay Common. Adjustment Reason may be used to qualify the adjustment. Adjustment Reason class has two mandatory associations. The first mandatory association exists to Source Code List class, which identify the source of the code. The second exists to Message Reason List class, which identify the message reason. The class contains no attributes.		CM	PayComponent Library
AdjustmentAndDiscount				Adjustment and Discount class is optional and possible multiple occurrence. This class has one optional association to Settlement Reference class.		O	
			amount	Monetary amount of adjustment including currency.		M	

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
AlternatePartyIdentification				Only one primary party identifier is used for each party. If an alternate identifier, other than GLN is used, there is no guarantee of data integrity across the process. It is the responsibility of the company electing the choice to ensure data integrity.		CM	Identification
	additionalPartyIdentification					O	
AlternatePartyIdentificationList	type			Only one primary party identifier is used for each party. If an alternate identifier, other than GLN is used, there is no guarantee of data integrity across the process. It is the responsibility of the company electing the choice to ensure data integrity.		M	Identification
		BUYER_ASSIGNED_IDENTIFIER_FOR_A_PARTY		This optional code will be used for cross-reference on a one-to-one relationship.			
		DEA_DRUG_ENFORCEMENT_AGENCY		This optional code will be used for cross-reference on a one-to-one relationship.			
		DUNS		This optional code will be used for cross-reference on a one-to-one relationship.			
		DUNS_PLUS_FOUR		This optional code will be used for cross-reference on a one-to-one relationship.			
		HIN_CANADIAN_HEALTHCARE_IDENTIFICATION_NUMBER		This optional code will be used for cross-reference on a one-to-one relationship.			
		SCAC		This optional code will be used for cross-reference on a one-to-one relationship.			
		SELLER_ASSIGNED_IDENTIFIER_FOR_A_PARTY		This optional code will be used for cross-reference on a one-to-one relationship.			

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		TD_LINK_TRADE_DIMENSIONS		This optional code will be used for cross-reference on a one-to-one relationship.			
		UCC_COMMUNICATION_IDENTIFICATION		This optional code will be used for cross-reference on a one-to-one relationship.			
		UN_LOCATION_CODE		This optional code will be used for cross-reference on a one-to-one relationship.			
AlternatePaymentReference	alternatePaymentReferenceIdentifier			The alternate payment reference class may be used to qualify the adjustment amount.		CM	
			value	String		M	
AlternatePaymentReferenceList				Other referenced information relevant to the adjustment - Department Number, Location Number, Other Request for Payment Identification, PRO Number, Return Goods Authorization Number, Seller Authorization Allowance Number, Store Number.		M	
		DEPARTMENT_NUMBER		Department number			
		LOCATION_NUMBER		Location number			
		OTHER_REQUEST_FOR_PAYMENT_IDENTIFICATION		Other request for payment identification.			
		PRO_NUMBER		Pro number			
		RETURN_GOODS_AUTHORIZATION_NUMBER		Return goods authorization number.			
		SELLER_AUTHORIZATION_ALLOWANCE_NUMBER		Seller authorization allowance number.			
		STORE_NUMBER		Store number			
AutomatedClearingHouse						CM	PayComponent Library

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
DebitCreditIndicatorList	debitCreditIndicator			This external class originates from Pay Common. This is a mandatory enumerated class. One of the defined attributes must be selected.		M	DebitCreditAdvice
		CREDIT		Selection of "Credit" denotes that an allowance (reduction) is being applied to a monetary amount. Credit to receiver and debit to originator.			
		DEBIT		Selection of "Debit" denotes that a charge (increment) is being applied to a monetary amount. Debit to receiver and credit to originator.			
Document				This class is used to specify the basic information about the context of the message.		M	Components
			creationDate	DateTime		M	
			contentVersion	Version = 1.3.1		O	
			documentStructureVersion	Version =1.3.1		O	
			lastUpdateDate	Date		O	
DocumentStatusList	documentStatus			Indicates if the document is a copy or an original.		M	Components
		COPY		A copy of the original document.			
		ORIGINAL		The original document.			
EntityIdentification	settlementIdentification			This external class originates from Entity IdentificationThe unique identification for the settlement and reference identification is mandatory.		M	Identification
	reference					M	
			uniqueCreatorIdentification	String		M	
EntityTypeList	entityType					M	Identification
		BOOKING_REQUEST		Booking Request			

EAN.UCC Business Message Standard: Settlement

		BOOKING_REQUEST _ACKNOWLEDGEME NT		Booking Request Acknowledgement			
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Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		CATALOGUE_ITEM_CONFIRMATION		Catalogue Item Confirmation			
		CATALOGUE_ITEM_LINK		Catalogue Item Link			
		CATALOGUE_ITEM_NOTIFICATION		Catalogue Item Notification			
		CATALOGUE_ITEM_PUBLICATION		Catalogue Item Publication			
		CATALOGUE_ITEM_REGISTRATION_ACKNOWLEDGMENT		Catalogue Item Registration Acknowledgement			
		CATALOGUE_ITEM_SUBSCRIPTION		Catalogue Item Subscription			
		CONTROL_TOTAL		Control Total			
		DATA_SYNCHRONISATION_DATA_POOL_PROFILE		Data Synchronisation Data Pool Profile			
		DEBIT_CREDIT_ADVICE		Debit Credit Advice			
		DESPATCH_ADVICE		Despatch Advice			
		FULL_TRUCKLOAD_LOAD_TENDER		Full Truckload Load Tender			
		INVENTORY_STATUSES_ADVICE		Inventory Status Advice			
		ORDER		Order			
		PARTY_DOCUMENT		Party Document			
		PICKUP_MANIFEST		Pickup Manifest			
		PICKUP_NOTIFICATION_LTL		Pickup Notification LTL			
		PRICE_BRACKET_DOCUMENT		Price Bracket Document			
		PRICE_DOCUMENT		Price Document			
		RECEIVING_ADVICE		Receiving Advice			
		REGISTRY_CATALOGUE_ITEM		Registry Catalogue Item			
		REQUEST_FOR_CATALOGUE_ITEM_NOTIFICATION		Request for Catalogue Item Notification			

		FICATION					
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Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		REQUEST_FOR_PAYMENT		Request for Payment			
		RESPONSE		Response			
		SETTLEMENT		Settlement			
		TRADE_ITEM_DOCUMENT		Trade Item Document			
		WAREHOUSE_SHIPPING_ORDER		Warehouse Shipping Order			
FinancialInstitutionInformation	buyerFinancialInformation			Information that is used for identifying the FI(s) that will process the transaction. If the payment Method is "Financial Institution Option", FI information is not necessary as it resides at the FI.		O	Components
	sellerFinancialInformation					O	
			accountName	Name of Account Owner of originating transaction. String		M	
			additionalFinancialInformation	TextDescription		O	
			BRANCH	String		O	
GlobalLocationNumber	gLN			The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the recommended primary party identifier.		CM	Identification
LineItem				This external class originates from Document. Settlement Line Item class inherits from the Line Item.		M	Components
			number	This is the line item number represented in Integer		M	
MessageReasonList	messageReason					M	PayComponent Library
		01_PRICING_ERROR 02_ALLOWANCE_CHARGE_ERROR 03_EXTENSION_ERR					

		OR					
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Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		04_ITEM_NOT_ACCE PTED_DAMAGED 05_ITEM_NOT_ACCE PTED_QUALITY 07_INCORRECT_PRO DUCT 08_SUBSTITUTE_PR ODUCT 09_TERMS_OF_SALE _ERROR 10_PALLET_CONTAI NER_CHARGE_ERRO R 11_RETURNS_DAMA GE 12_RETURNS_QUALI TY 13_RETURNS_DATIN G 14_RETURNS_PROM OTION 15_RETURNS_RECAL L 18_NOT_COMPANY_ BILL 19_DUPLICATE_BILLI NG 20_BALANCE_DUE_D ECLINED 21_SHIPMENT METH OD_OF_PAYMENT_IN CORRECT 22_WEIGHT_ERROR 24_DISCOUNT 25_ITEMS_NOT_ACC EPTED 26_INVOICE_CANCEL LED 27_PRODUCT_TRAN SFERS_SUBJECT_TO _CHARGEBACK					

		29_FEE_INCORRECT					
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Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		30_DELIVERY_CHARGE_INCORRECT 31_PICKUP_CHARGE_INCORRECT 32_OVERSIZE_PREMIUM_INVALID 33_CURRENCY_EXCHANGE_INCORRECT 34_DECLARED_VALUE_INCORRECT 35_COMMODITY_CODE_INCORRECT 36_SCALE_NUMBER_INCORRECT 37_DIMENSIONS_INCORRECT 38_SERVICE_INCORRECT 39_SHIPPER_OR_CONSIGNEE_REFERENCE_NUMBER_MISSING 40_ADDRESS_INCORRECT 44_REQUIRED_DOCUMENTS_MISSING 45_STALE_BILL_OVER_180_DAYS_OLD 46_TRANSPORTATION_CHARGE_INCORRECT 47_ADVANCE_CHARGE_INCORRECT 48_SERVICE_CHARGE 49_PROCESSING_CHARGE 50_LATE_CHARGE 52_CREDIT_FOR_OVERPAYMENT					

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		53_REMITTANCE_FOR_PREVIOUS_UNDE R_PAYMENT 54_FREIGHT_DEDUCTED 59_ITEM_NOT_RECEIVED 60_NO_OPEN_ITEM_ON_FILE 61_NO_OPEN_ORDER_ON_FILE 62_MATERIAL_OR_ITEM_DESCRIPTION_E RROR 64_SALE_OF_PROPERTY 70_ADVANCED_SHIP_NOTICE_NOT_RECE IVED 71_ADVERTISING_ALLOWANCE 72_AUTHORIZED_RETURN 73_BILL_OF_LADING_NOT_RECEIVED 74_CANCEL_OR_ADJUST_PRIOR_CREDIT OR_DEBIT_ADJUSTMENT 75_TOTAL_ORDER_NOT_RECEIVED 76_CASH_DISCOUNT 78_COMPETITIVE_PRICE 79_COOPERATIVE_ADVERTISING 81_CREDIT_AS_AGGREED 82_DEFECTIVE_ALLOWANCE					

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		83_EVALUATED_REC EIPT_SETTLEMENT_ (ERS)_DELIVERY_CH ARGE 85_DISTRIBUTION_DI SCOUNT_ALLOWANC E 86_DUPLICATE_PAY MENT 87_DUPLICATE_SHIP MENT 88_DUTY_CHARGE_ VARIANCE 89_EARLY_BUY_ALL OWANCE 91_ENGRAVING_CHA RGE 92_MERCHANDISE_N OT_ORDERED 93_FIELD_DESTROY 94_FIXTURES_CHAR GE 95_FLOOR_STOCK_P ROTECTION 96_GOODS_TO_FOLL OW 97_HANDLING_CHAR GE 98_LABOR_CHARGE S 99_LATE_SHIPMENT _OF_GOODS A1_LAYOUT_OR_DE SIGN_CHARGE A3_NEW_STORE_AL LOWANCE A4_NON_RECEIPT_O F_GOODS A5_OVERAGE A7_PAYMENT_ON_A CCOUNT					

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		A8_PROMOTIONAL_ALLOWANCE A9_PROOF_OF_DELIVERY_NOT_RECEIVED AH_ORIGINATION_FEE AQ_RETURNS_OVERSTOCK AS_RETURNS_DISCONTINUED AT_ACCOUNT_LOCATION_CLOSED B1_PROOF_OF_SHIPMENT_NOT_RECEIVED B2_REBATE B4_REFURBISHING_CHARGE B5_REPAIR_OF_GOODS B6_REPAY_DISCOUNT B7_RESTOCKING_CHARGE B8_ROUTING_VIOLATION B9_SAMPLES_NOT_RECEIVED BA_CANADIAN_GOODS_AND_SERVICES_TAX BB_QUEBEC_GOODS_AND_SERVICES_TAX BC_CANADIAN_HARMONIZED_GOODS_AND_SERVICES_TAX BE_FIXTURE_ALLOWANCE BF_RETURN_ALLOWANCE					

		ANCE					
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Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		BG_BAG_CHARGE BH_OPPORTUNITY_B UY BI_HANGER_CHARG E BJ_INSURANCE_CHA RGE BK_POSTAGE_CHAR GE BL_NET_CHECK_RET URNED BM_NET_COLLECTIO N_EXPENSE_(FACTO R) BP_NET_CHARGEBA CK_OF_CLIENT_RISK _(FACTOR) BS_PAID_DURING_P ERIOD C1_SETTLEMENT_OF _ACCOUNT C3_SPECIAL_FINISH C4_STOCK_BALANC E C6_TESTING_CHARG E C8_TICKETING_ERR OR C9_TICKETING_SER VICE CM_COVERED_BY_C REDIT_MEMO CU_CHARGE_FOR_U NREQUESTED_SERV ICE D1_TRANSFER_BET WEEN_ACCOUNTS D2_TRANSPORTATIO N_DIRECT BILLING D3_UNAUTHORIZE D_DEDUCTION					

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		D4_UNAUTHORIZED_PRODUCT D5_VOLUME_DISCOUNT D8_COUNT_AND_RECOUNT_ALLOWANCE D9_STORE_STOCK_PRICE_PROTECTION E1_RECOUPMENT E2_COVERED_BY_DEBIT_MEMO E4_WAREHOUSE_STOCK_PRICE_PROTECTION E5_INVOICE_PRICE_PROTECTION E6_GOODS_AND_SERVICES_TAX_0%_RATE_INTERNATIONAL_DOCUMENTATION_WILL_FOLLOW E7_GOODS_AND_SERVICES_TAX_DECREASED_DUE_TO BILLING_ERROR E8_GOODS_AND_SERVICES_TAX_INCREASED_DUE_TO BILLING_ERROR E9_ORDER_CANCELLED F1_DEFECTIVE FA_ANTICIPATION_TAKEN GA_FREE_GOODS GB_COUPON_RELATED GC_MARKET_DEVELOPMENT_FUND_DEDUCTION GD_SAMPLES					

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		GE_SLOTTING_CHARGE GE_INVALID GG_UNSALEABLE_MERCHANDISE GH_BILLBACK_ALLOWANCE_DEDUCTION GJ_UNSALEABLE_PAYMENTS_DEDUCTION GK_SPLIT_COMMISSION_DEDUCTION_BASIS_AMOUNT GL_UNRESOLVED_CUSTOMER_DEDUCTION GM_SPLIT_COMMISSION_DEDUCTION_COMMISSION_AMOUNT GN_GENERAL_ADVANCE GR_GUARANTEE H1_INFORMATION_FORTHCOMING H2_PAYMENT_PREVIOUSLY_SENT H3_LOAN_PAID_IN_FULL H6_PARTIAL_PAYMENT_REMITTED H7_PAYMENT_FORTHCOMING H8_BILL_MORTGAGEE HD_EXPENSE_PAYMENT IA_INVOICE_AMOUNT_DOES_NOT_MATCH_ACCOUNT_ANALYSIS_STATEMENT J3_PROMISED_ADJUSTMENT_NOT_RECEIVED					

		VED					
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Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		J8_UNABLE_TO_PRO CESS L1_AUDIT L3_PENALTY L4_ADMINISTRATIVE _FEES L7_MISCELLANEOUS _DEDUCTIONS L8_MISCELLANEOUS _CREDITS L9_MILITARY_DISTRI BUTION_ADJUSTME NT LF_LAWYER_OR_CL AIMANT_ATTORNEY_ FEES LO_LEDGER_OVERD RAFT_CHARGE M2_COMMISSIONS_ DEDUCTIONS M3_GIFT_CERTIFICA TES M4_SALARY_DEDUC TION MA_MARKETING_ALL OWANCES MB_PICKUP_ALLOW ANCE MD_INCORRECT_PU RCHASE_ORDER_NU MBER_ON_BILL_OF_ LADING ME_PURCHASE_ORD ER_NUMBER_NOT_O N_BILL_OF_LADING MF_MULTIPLE_PURC HASE_ORDER_NUMB ERS_ON_INVOICE MG_PURCHASE_OR DER_NUMBER_INCO RRECT_ON_INVOICE					

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		MH_PURCHASE_OR DER_NUMBER_NOT_ ON_INVOICE MI_TRANSFER_OR_D EBIT_BALANCE MJ_TRUCKLOAD_ALL OWANCE MK_WAREHOUSE_AL LOWANCE MM_INCORRECT_PR ODUCT_ID_ON_CAR TONS MN_INCORRECT_PU RCHASE_ORDER_NU MBER_ON_CARTON MO_NO_PRODUCT_I D_ON_CARTONS MP_NO_PURCHASE_ ORDER_NUMBER_O N_CARTON MQ_STORAGE_CHA RGES OL_COURT_ORDERED LIEN PP_QUEBEC_PENSI ON_PLAN PT_PAYMENT RB_AGREED_FREIG HT_ALLOWANCE RC_AUTHORIZED_AI R_SHIPMENT RF_COMMISSION_DI SCREPANCY RG_DIFFERENCE_O N_RETURNS RH_EARLY_SHIPMEN T_OF_GOODS RI_EXCESSIVE_PAC KAGING_MATERIALS RJ_FAILURE_TO_CO NSOLIDATE					

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		RK_FREIGHT_ON_RE TURNS_INBOUND_IN CORRECT RL_FREIGHT_ON_RE TURNS_OUTBOUND_ INCORRECT RM_RETURNED_MAT ERIAL RN_HANDLING_CHA RGE_FOR_ITEM_NO T_RECEIVED RO_HANDLING_REC EIPT_FOR_NON_REC EIPT_OF_GOODS RP_HANDLING_CHA RGE_FOR_LATE_AD VANCE_SHIP_NOTIC E RQ_HANDLING_CHA RGE_FOR_SAMPLES _NOT_RECEIVED RR_HANDLING_CHA RGE_FOR_UNREADA BLE_ADVANCE_SHIP _NOTICE RS_INCORRECT_PA CKING_ASSORTMEN T RT_IN_STORE_DECO RATION_ALLOWANC E RU_INTEREST RV_LABEL_PLACEME NT RW_MARGIN_CONTR IBUTION RX_MARK_DOWN_AL LOWANCE RY_MULTIPLE_SHIP MENT_PENALTY RZ_OPENING_ORDE					

		R_ALLOWANCE					
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Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		SA_PAPER_INVOICE_MISSING SC_SERVICE_CANCELLED SE_PAPER_PACKING_SLIP_MISSING SG_PICKUP_CHARGE_OR_ADVANCED_CHARGES SH_PRESENTATION_OF_MERCHANDISE_NOT_AS_SPECIFIED SI_PURCHASER_SUPPLIED_RAW_MATERIAL SK_SALARY_DISCREPANCY SJ_RETURNS_FREIGHT_DISCREPANCY SM_SHIPPED_PAST_PURCHASE_ORDER_CANCELLATION_DATE SN_SHOULD_BE_SHIPPED_COLLECT_BUT_WAS_SHIPPED_PREPAID SO_SHOULD_BE_SHIPPED_PREPAID_BUT_WAS_SHIPPED_COLLECT SR_STORE_CONTENT_ALLOWANCE SS_TRADE_DISCOUNT ST_UNAUTHORIZED_AIR_SHIPMENT_CHARGEBACK_IS_THE_DIFFERENCE_BETWEEN_AIR_AND_GROUND					

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
		SU_UNAUTHORIZED_AIR_SHIPMENT_PARTIAL_FREIGHT_CHARGEBACK SW_UNAUTHORIZED_OR_INCORRECT_CARRIER SX_VOLUME_BREAK_CHARGEBACK SY_WEIGHT_BREAK_CHARGEBACK UB_UNCOLLECTED_BALANCE_CHARGE_REVERSED W6_SAFETY_VIOLATIONS					
NameAndAddress	financialInstitutionNameAndAddress			Each party will identify their party name and address. The Party information will include city, name, country code ISO 3166, and the language of the party ISO 639-1988.		O	Components
			city	String		M	
			countryISOCode	ISO Country Code		M	
			languageOfTheParty	Language		M	
			name	String		M	
			currency	Currency ISO Code		O	
			pOBoxNumber	String		O	
			postalCode	String		O	
			provinceCode	String		O	
			state	String		O	
			streetAddressOne	String		O	
			streetAddressTwo	String		O	

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
PartyIdentification	buyer			There is a choice of selecting either a GLN (Recommended) or Alternate Party Identification as your primary party identification. Additionally, optional party identification, which cannot be GLN may be included. For example you may select one GLN as your primary party identification with additional party identification (ie. GLN cross referenced to DUNS or you may select an alternate as your primary party identification with reference to additional party identification alternates). If you elect to use a DUNS number as your primary party identification, you may cross-reference this to another alternate number such as a buyer assigned customer number. However, again GLN may not be used as the additional alternate.		CM	Identification
	buyersBank			Buyer's unique identifier		CM	
	contentOwner					M	
	seller			Seller's unique identifier		CM	
	sellersBank			Seller's unique identifier		CM	
PaymentFormatList						M	PayComponent Library
		CCD		Cash Concentration/Disbursement			
		CCP		Cash Concentration / Disbursement + Addenda			
		CTX		Corporate Trade Exchange			
		PPD		Pre-Arranged Payment and Deposit			
		PPP		Pre_Arranged Payment and Deposit + Addenda			
PaymentInformation						M	PayComponent Library

			settlementAmount	Amount		M	
--	--	--	------------------	--------	--	---	--

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
			paymentEffectiveDate	Date		O	
PaymentMethod				Method of funds transferred between parties for this message.		M	PayComponent Library
PaymentMethodList						CM	PayComponent Library
		BOP		Financial Institution Option			
		CHECK		Check			
		FED_WIRE-NON-REPETITIVE		Federal Reserve Funds/Wire Transfer – Non-Repetitive			
		FED_WIRE_REPETITIVE		Federal Reserve Funds/Wire Transfer –Repetitive			
		INTERNATIONAL_WIRE		International Wire			
RequestForPaymentInformation				This class contains no attributes		M	
			originalAmount	Amount		O	
RoutingNumber						O	Components
			number	String		M	
RoutingNumberTypeList	routingNumberType					M	Components
		01_ABA_TRANSIT_ROUTING_NUMBER		ABA Transit Routing Number			
		02_SWIFT_IDENTIFICATION		Swift Identification			
		03_CHIPS		Chips			
		04_CANADIAN_BANK		Canadian Bank			

Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
Settlement				Settlement class is the root of the settlement class diagram. This class inherits attributes from the Document class. There is one optional and possible multiple occurrence associated to the Settlement Line Item class with role names of line item. There are two optional associations to the Financial Institution Information class with role names of buyer Financial Information and seller Financial Information. There is one mandatory association to Settlement Party to select a pair of party identification. There is one mandatory association to the Entity Identification class to uniquely identify the settlement document. There is one mandatory association to the Payment Information class.		M	Terms
			batchIdentification	String		O	
SettlementLineItem	lineItem			This section provides detailed information about payment. (Settlement detail for the receiver)		O	
			amountPaid	Amount		O	
SettlementParty				This class is mandatory. It is required to choose two roles of party identification. This class contains no attributes.		M	
SettlementReference	adjustmentIdentification			This class is optional when there is an adjustment identification. This class is mandatory when there is a request for payment identification. If settlement reference class is used then Entity Identification class is mandatory.		O	
	requestForPaymentIdentification					M	

			creationDate	Date		O	
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Class Name	Role Name	Enumerated Value for List Class	Attribute Name	Description	Min/Max Size	M/O	EAN.UCC XSD
SourceCodeList	sourceCode			This external class originates from Pay Common and is mandatory. One source Code must be selected from the defined list: EANCOM EANUCC X12		M	PayComponent Library
		EANCOM		The international Electron Data Interchange (EDI) standard provided by EAN International, conforming to the UN/EDIFACT standard.			
		EANUCC		The specification, standards, and guidelines co-administrated bny EAN International and the Uniform Code Council.			
		X12		The accredited ANSI committee responsible for the development and maintenance of uniform standards for Electronic Data Interchange. (EDI)			
TransactionHandlingIdentifierList	transactionHandlingIdentifier			Code that refers to the sender's action.		M	
		C_PAYMENT_ACCOMPANIES_REMITTANCE_ADVICE		Payment accompanies remittance advice.			
		D_MAKE_PAYMENT_ONLY		Make payment only.			
		I_REMITTANCE_INFORMATION_ONLY		Remittance information only.			
TypedEntityIdentification							DebitCreditAdvice

Instance File

Description

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

Instance File Example

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/xsl" href="../../4_XSL/Main.xsl"?>
<!-- This is a sample file-->
<eanucc:envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:eanucc="http://www.ean-ucc.org/schemas/1.3.1/eanucc" xsi:schemaLocation="http://www.ean-ucc.org/schemas/1.3.1/eanucc ../../2_XSD_PROXY/SettlementProxy.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:settlement creationDate="2001-06-28T12:13:14" documentStatus="ORIGINAL"
contentVersion="1.3.1" documentStructureVersion="1.3.1" lastUpdateDate="2001-06-28">
```

```
<settlementIdentification>
  <uniqueCreatorIdentification>SET009</uniqueCreatorIdentification>
  <contentOwner>
    <gln>0614141000012</gln>
  </contentOwner>
</settlementIdentification>
<settlementParty>
  <buyer>
    <gln>0614141000042</gln>
  </buyer>
</settlementParty>
<settlementParty>
  <seller>
    <gln>0614141000052</gln>
  </seller>
</settlementParty>
<batchIdentification>BID009</batchIdentification>
<paymentInformation>
  <settlementAmount currencyISOCode="USD">1000</settlementAmount>
  <paymentMethod>
    <paymentMethod>CHECK</paymentMethod>
  </paymentMethod>
  <debitCreditIndicator>CREDIT</debitCreditIndicator>
  <transactionHandlingIdentifier>D_MAKE_PAYMENT_ONLY</transactionHandlingIdentifier>
  <paymentEffectiveDate>2004-08-13</paymentEffectiveDate>
</paymentInformation>
<buyerFinancialInformation>
  <accountName>Joe Doe</accountName>
  <accountNumber>
    <number>361201555</number>
    <accountNumberType>01_TIME_DEPOSIT</accountNumberType>
  </accountNumber>
  <routingNumber>
    <number>300201555</number>
    <routingNumberType>01_ABA_TRANSIT_ROUTING_NUMBER</routingNumberType>
  </routingNumber>
  <financialInstitutionNameAndAddress>
    <city>Philadelphia</city>
    <countryISOCode>US</countryISOCode>
    <languageOfTheParty>en</languageOfTheParty>
    <name>Commerce Bank</name>
    <postalCode>11735</postalCode>
    <state>PA</state>
    <streetAddressOne>78 3rd St.</streetAddressOne>
  </financialInstitutionNameAndAddress>
  <branch>Philadelphia, Center City</branch>
</buyerFinancialInformation>
<sellerFinancialInformation>
  <accountName>OJ Sellers Inc.</accountName>
  <accountNumber>
    <number>361201777</number>
    <accountNumberType>01_TIME_DEPOSIT</accountNumberType>
  </accountNumber>
  <routingNumber>
    <number>300201555</number>
    <routingNumberType>01_ABA_TRANSIT_ROUTING_NUMBER</routingNumberType>
```

```

</routingNumber>
<financialInstitutionNameAndAddress>
  <city>Philadelphia</city>
  <countryISOCode>US</countryISOCode>
  <languageOfTheParty>en</languageOfTheParty>
  <name>Commerce Bank</name>
  <postalCode>11735</postalCode>
  <state>PA</state>
  <streetAddressOne>78 3rd St.</streetAddressOne>
</financialInstitutionNameAndAddress>
<branch>String</branch>
</sellerFinancialInformation>
<linelItem number="1">
  <requestForPaymentInformation>
    <originalAmount currencyISOCode="USD">10.2</originalAmount>
    <requestForPaymentIdentification>
      <reference>
        <uniqueCreatorIdentification>RFP009</uniqueCreatorIdentification>
        <contentOwner>
          <gln>0614141000012</gln>
        </contentOwner>
      </reference>
      <creationDate>2004-08-13</creationDate>
    </requestForPaymentIdentification>
  </requestForPaymentInformation>
  <amountPaid currencyISOCode="USD">500</amountPaid>
  <adjustmentAndDiscount>
    <amount currencyISOCode="USD">250</amount>
    <adjustmentIdentification>
      <reference>
        <uniqueCreatorIdentification>DBC001</uniqueCreatorIdentification>
        <contentOwner>
          <gln>0614141000012</gln>
        </contentOwner>
      </reference>
    </adjustmentIdentification>
    <alternatePaymentReference>
      <value>APR125T</value>
    </alternatePaymentReference>
  </adjustmentAndDiscount>
</linelItem>
<alternatePaymentReferenceIdentifier>DEPARTMENT_NUMBER</alternatePaymentReferenceIdentifier>
  <alternatePaymentReference>
    <adjustmentAndDiscount>
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      <adjustmentIdentification>
        <reference>
          <uniqueCreatorIdentification>BCD002</uniqueCreatorIdentification>
          <contentOwner>
            <gln>0614141000012</gln>
          </contentOwner>
        </reference>
        <creationDate>2002-08-13</creationDate>
      </adjustmentIdentification>
      <adjustmentReason>
        <messageReason>29</messageReason>
        <sourceCode>X12</sourceCode>
      </adjustmentReason>
    </adjustmentAndDiscount>
  </alternatePaymentReference>

```

```

        </adjustmentReason>
        </adjustmentAndDiscount>
    </lineltem>
    <lineltem number="2">
        <requestForPaymentInformation>
            <originalAmount currencyISOCode="USD">2000</originalAmount>
            <requestForPaymentIdentification>
                <reference>
                    <uniqueCreatorIdentification>RFP008</uniqueCreatorIdentification>
                    <contentOwner>
                        <gln>0614141000012</gln>
                    </contentOwner>
                </reference>
                <creationDate>2004-08-13</creationDate>
            </requestForPaymentIdentification>
        </requestForPaymentInformation>
        <amountPaid currencyISOCode="USD">500</amountPaid>
        <adjustmentAndDiscount>
            <amount currencyISOCode="USD">250</amount>
            <adjustmentIdentification>
                <reference>
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                    <contentOwner>
                        <gln>0614141000012</gln>
                    </contentOwner>
                </reference>
            </adjustmentIdentification>
            <alternatePaymentReference>
                <value>007</value>
            </alternatePaymentReferenceIdentifier>STORE_NUMBER</alternatePaymentReferenceIdentifier>
            </alternatePaymentReference>
        </adjustmentAndDiscount>
        <adjustmentAndDiscount>
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            <adjustmentIdentification>
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                    <contentOwner>
                        <gln>0614141000012</gln>
                    </contentOwner>
                </reference>
            </adjustmentIdentification>
            <adjustmentReason>
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                <sourceCode>X12</sourceCode>
            </adjustmentReason>
        </adjustmentAndDiscount>
    </lineltem>
</eanucc:settlement>
</documentCommandOperand>
</eanucc:documentCommand>
</command>
</eanucc:transaction>
</body>
</eanucc:envelope>

```
