

## Description of 3C6 Message

PIP® 3C6

**Validated 11.03.00**

	<b>Specification Information</b>
<b>Name</b>	Description Of 3C6 Message
<b>PIP</b>	Notify Of Remittance Advice
<b>Cluster</b>	Order Management
<b>Segment</b>	Returns And Finance
<b>Publication Date</b>	30 May 2012
<b>Version Identifier</b>	V11.03

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# 1. Document Management

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## 1.4 Acknowledgments

This document has been prepared by RosettaNet (<http://www.rosettanet.org/>) from requirements gathered during the Milestone Program and in conformance with the methodology. Listed below are the legal entities that contributed to the design and development of this PIP.

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STMicroelectronics	Texas Instruments

## 1.5 Related Documents

- Associated PIP Message Schemas (included with PIP Specification only)
- Description of Partner Interface Process for 3C6
- Message Structure

## 1.6 Document Version History

<b>Version</b>	<b>Date</b>	<b>Description</b>
Validated 11.00.00	19 July 2006	Validated Version
Validated 11.01.00	5 November 2007	Validated Version for Schema to Market 2007
Validated 11.02.00	25 September 2009	Validated Version for Maintenance 2009
Validated 11.03.00	30 May 2012	Updated Version

## 1.7 Document Purpose

The purpose of the document is to explain the structure, the association between objects, the content of objects and the definition for single elements to a non-technical audience.

## 2. Interchange Model

### 2.1 RemittanceAdviceNotification

#### 2.1.1 Interchange Diagram

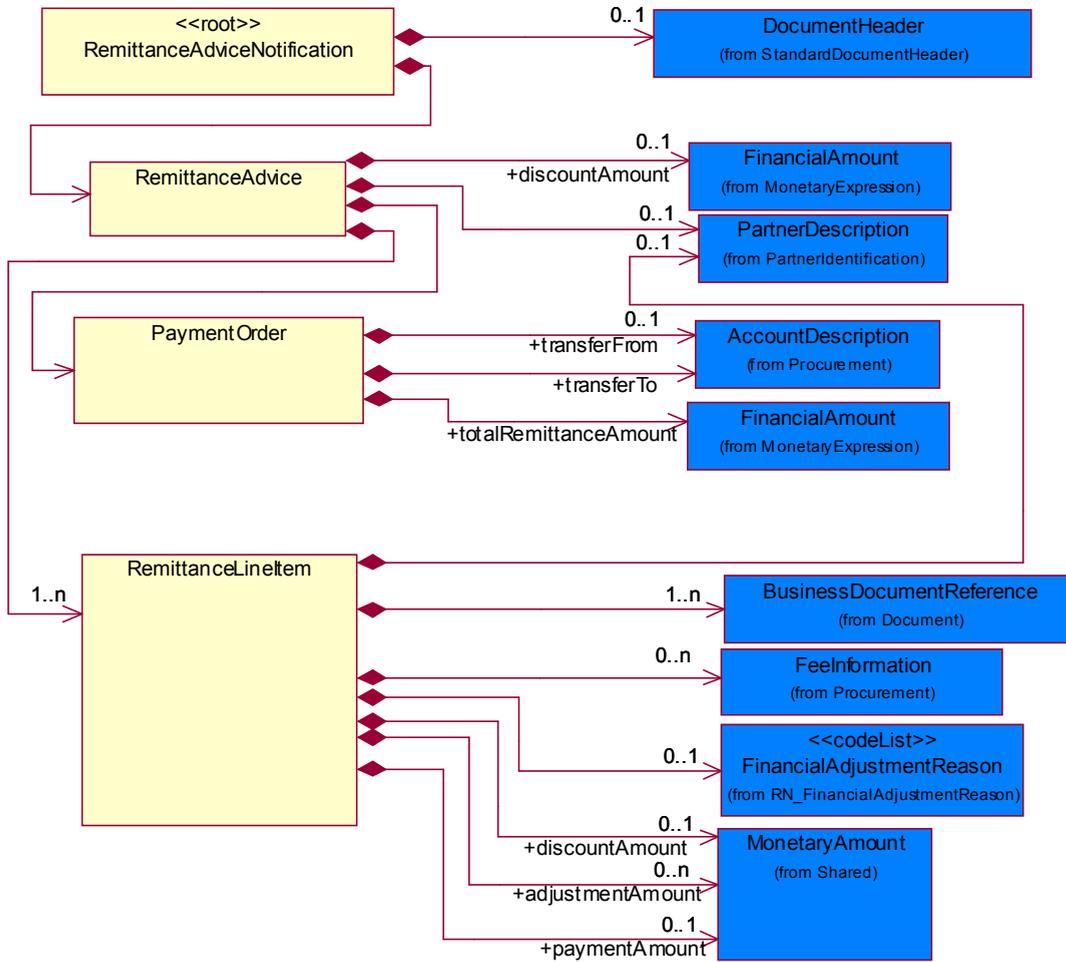


Figure 2-1 Interchange

### 2.1.2 Dependency Diagram

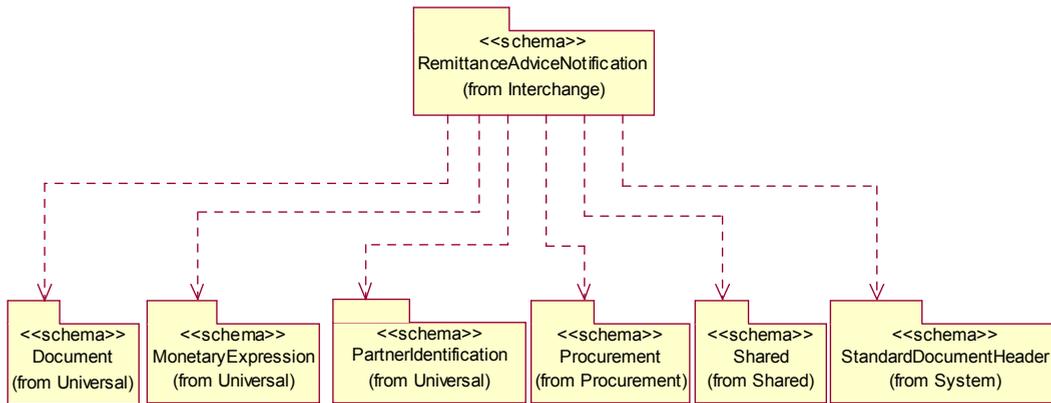


Figure 2-2 Dependency

### 2.1.3 PaymentOrder

The collection of business properties that describe a payment order.

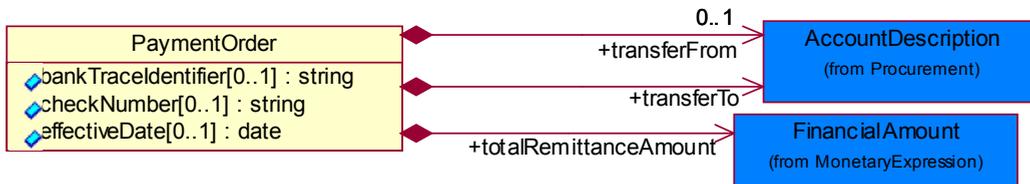


Figure 2-3 PaymentOrder

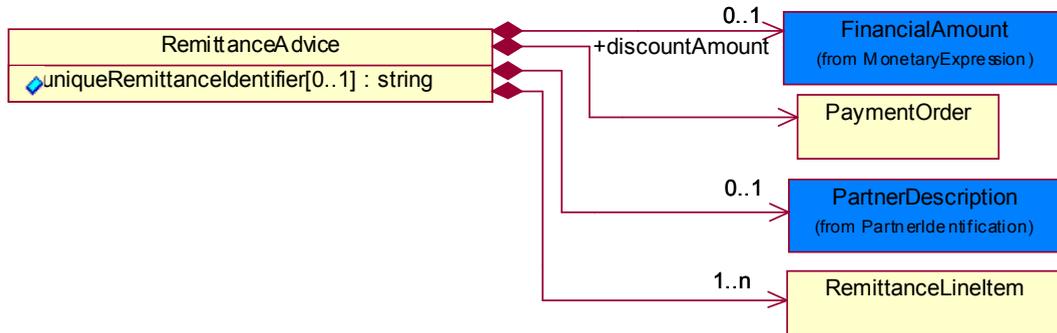
Attribute	Type	Documentation
bankTraceIdentifier[0..1]	string	The unique number assigned by a bank for auditing purposes.
checkNumber[0..1]	string	The identifier of a bank cheque.
effectiveDate[0..1]	date	The date information or an activity becomes effective.

Composition	Cardinality	Type	Documentation
totalRemittanceAmount	1	FinancialAmount	The total amount of an remittance advice.
transferFrom	0..1	AccountDescription	The partner from which the payment is transferred.
transferTo	1	AccountDescription	The partner to which the payment is transferred.

## 2.1.4 RemittanceAdvice

The collection of business properties that describe the Remittance Advice.

The recommended code used for ProcessRoleIdentifier in PartnerDescription is BIT - BillTo.



**Figure 2-4 RemittanceAdvice**

Attribute	Type	Documentation
uniqueRemittanceIdentifier[0..1]	string	A unique identifier for reassociation of a Credit Advice and/or Bank Statement to a Remittance Advice. The representation is defined as 9(9)X(9) where 9(9) is the DUNS number specified by Rosettanet and X(9) is alpha capital numeric.

Composition	Cardinality	Type	Documentation
discountAmount	0..1	FinancialAmount	The financial amount representing a reduction to the total amount due.
PaymentOrder	1	PaymentOrder	The collection of business properties that describe a payment order.
RemittanceLineItem	1..n	RemittanceLineItem	The collection of business properties that describe a remittance advice entry. The recommended code used for ProcessRoleIdentifier in PartnerDescription is PUR - Purchased By.
PartnerDescription	0..1	PartnerDescription	The collection of business properties that describe a business partners' identity, their contact information, where they are physically located and their function in a supply chain.

### 2.1.5 RemittanceAdviceNotification

A message wrapper for the PIP3C6.

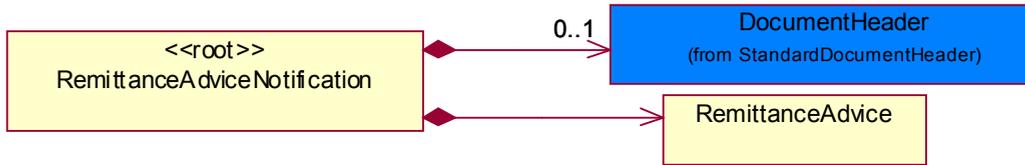


Figure 2-5 RemittanceAdviceNotification

Composition	Cardinality	Type	Documentation
DocumentHeader	0..1	DocumentHeader	The object allows for the identification of the sender and receiver of the business document.
RemittanceAdvice	1	RemittanceAdvice	The collection of business properties that describe the Remittance Advice. The recommended code used for ProcessRoleIdentifier in PartnerDescription is BIT - BillTo.

### 2.1.6 RemittanceLineItem

The collection of business properties that describe a remittance advice entry.

The recommended code used for ProcessRoleIdentifier in PartnerDescription is PUR - Purchased By.

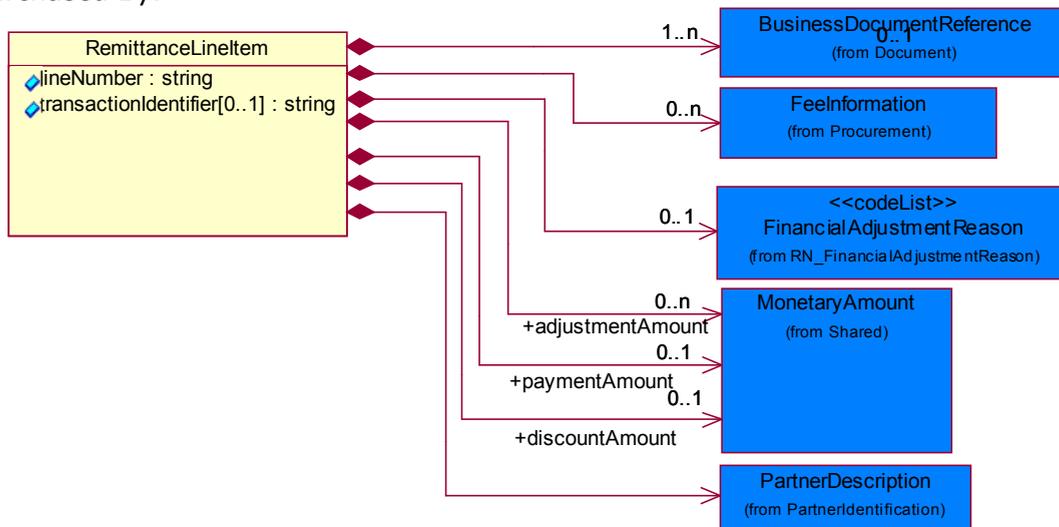


Figure 2-6 RemittanceLineItem

Attribute	Type	Documentation
-----------	------	---------------

lineNumber	string	Number of the line in the document.
transactionIdentifier[0..1]	string	A unique identification number tied to a specific transaction.

<b>Composition</b>	<b>Cardinality</b>	<b>Type</b>	<b>Documentation</b>
BusinessDocumentReference	1..n	BusinessDocumentReference	The business document reference object allows for the indirect referencing of a relationship to other business related documents.
FinancialAdjustmentReason	0..1	FinancialAdjustmentReason	Code identifying the reason for adjustments to a monetary amount due for payment.
discountAmount	0..1	MonetaryAmount	The financial amount representing a reduction to the total amount due.
adjustmentAmount	0..n	MonetaryAmount	The financial amount representing an increase or decrease to the total amount.
paymentAmount	0..1	MonetaryAmount	The financial amount representing what was paid.
PartnerDescription	0..1	PartnerDescription	The collection of business properties that describe a business partners' identity, their contact information, where they are physically located and their function in a supply chain.
FeeInformation	0..n	FeeInformation	

### 3. Domain ModelProcurement

#### 3.1.1 Procurement

##### 3.1.1.1 Dependency Diagram

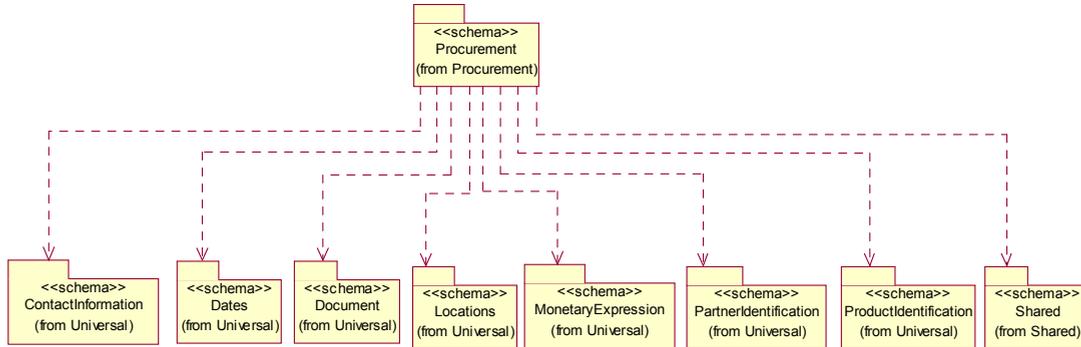


Figure 3-1 Dependency

##### 3.1.1.2 AccountDescription

The collection of business properties that describe a customer or supplier account.

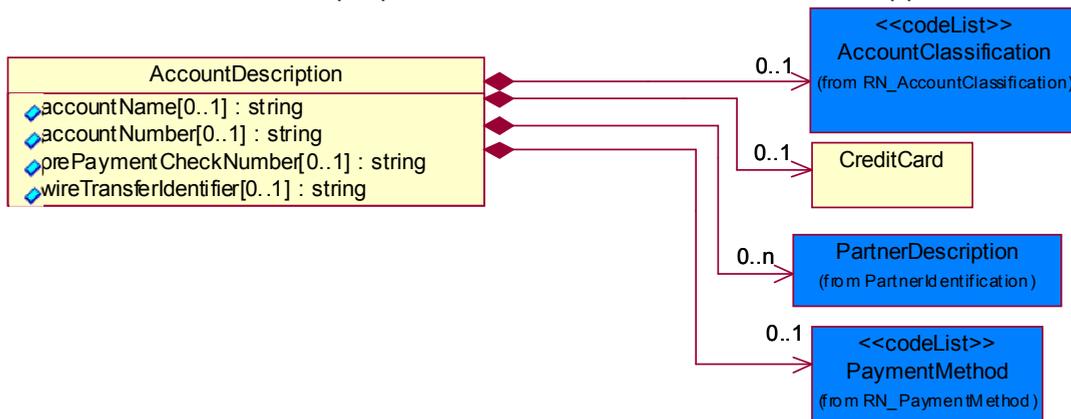


Figure 3-2 AccountDescription

Attribute	Type	Documentation
accountName[0..1]	string	The name of a bank account.
accountNumber[0..1]	string	Identification number of an account.
prePaymentCheckNumber[0..1]	string	The check number issued to prepay a monetary amount for an account.
wireTransferIdentifier[0..1]	string	A unique identity of a wire transfer used for reference.

Composition	Cardinality	Type	Documentation
AccountClassification	0..1	AccountClassification	Account classification indicating its functionality, e.g., credit card account, debit card account.
CreditCard	0..1	CreditCard	A collection of business properties that describe information about a credit card.
PartnerDescription	0..n	PartnerDescription	The collection of business properties that describe a business partners' identity, their contact information, where they are physically located and their function in a supply chain.
PaymentMethod	0..1	PaymentMethod	Code identifying how the trading partner paid the seller for the product.

### 3.1.1.3 CreditCard

A collection of business properties that describe information about a credit card.

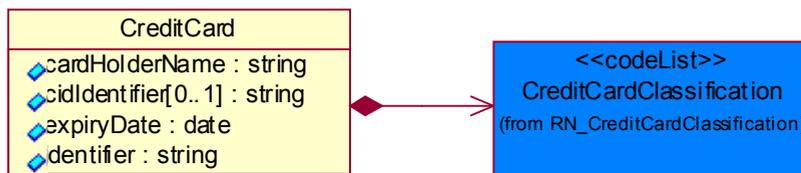


Figure 3-3 CreditCard

Attribute	Type	Documentation
cardHolderName	string	The name of the owner of a credit card.
cidIdentifier[0..1]	string	Unique identifier for credit card purchase activity utilized by American Express.
expiryDate	date	The date that a contractual agreement expires.
identifier	string	The unique number that identifies a credit card.

Composition	Cardinality	Type	Documentation
CreditCardClassification	1	CreditCardClassification	Code identifying the type of credit card used.

### 3.1.1.4 FeeInformation

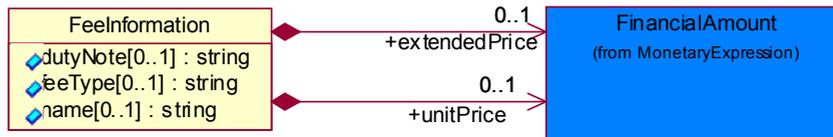


Figure 3-4 FeeInformation

Attribute	Type	Documentation
dutyNote[0..1]	string	Text that contains information on the duty supported.
feeType[0..1]	string	The type of additional fee added to the line item.
name[0..1]	string	The name of the fee.

Composition	Cardinality	Type	Documentation
extendedPrice	0..1	FinancialAmount	Total price for a product quantity.
unitPrice	0..1	FinancialAmount	Agreed upon sale price for each unit ordered.

### 3.1.2 CodeList

#### 3.1.2.1 CreditCardClassification

Code identifying the type of credit card used.

Name	Documentation
AMX	American express.
DIS	Discover.
EUC	EuroCard.
JCU	Japanese Credit Union.
MAC	Master card.
PRO	Procurement.
VIS	Visa.

#### 3.1.2.2 AccountClassification

Account classification indicating its functionality, e.g., credit card account, debit card account.

Name	Documentation
CHK	Checking.
CRC	Credit Card.
SAV	Savings.

### 3.1.2.3 FinancialAdjustmentReason

Code identifying the reason for adjustments to a monetary amount due for payment.

Name	Documentation
CBB	Cancelled by Buyer.
FRE	Freight.
IPI	Incorrect Part Identifier.
IPO	Invalid Purchase Order number.
IPR	Incorrect pricing.
IQU	Incorrect quantity.
PPA	Partial payment - Payments that are made not fulfilling the total.
RMA	Returned Material.
SAD	Ship and Debit.
SNR	Shipment Not Received.
TAX	Tax.

## 3.2 Shared

### 3.2.1 Shared

#### 3.2.1.1 Dependency Diagram

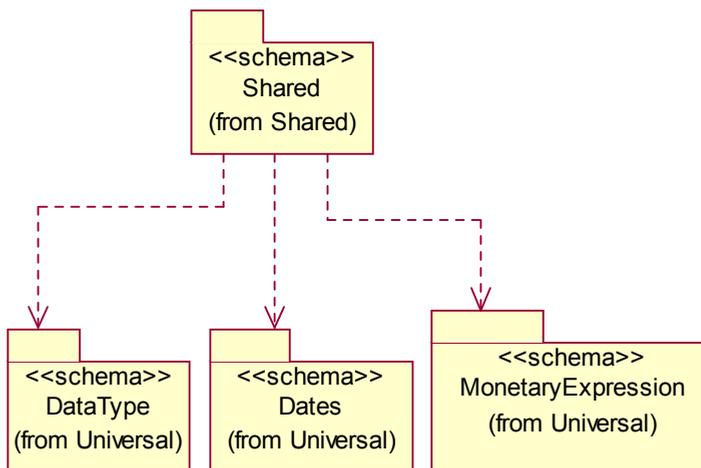


Figure 3-5 Dependency

### 3.2.1.2 MonetaryAmount

The collection of business properties that describe the monetary amount defined by a specified currency.

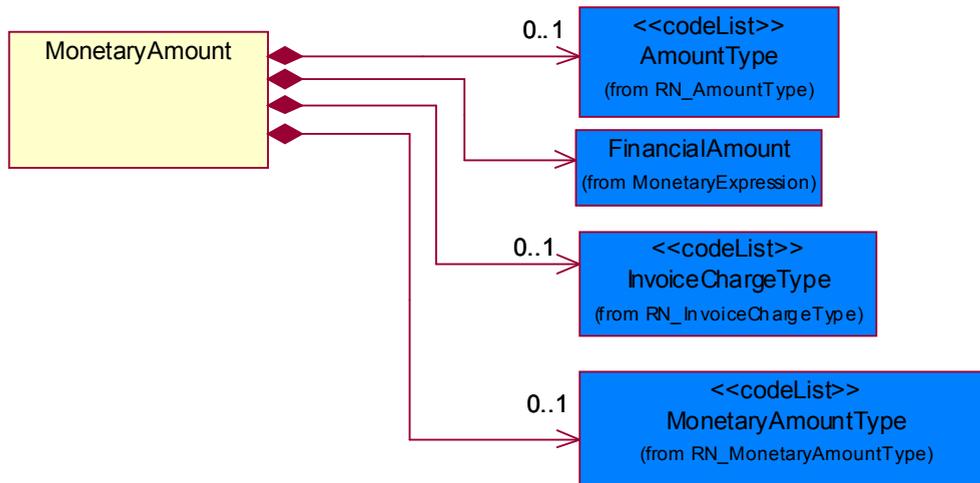


Figure 3-6 MonetaryAmount

Composition	Cardinality	Type	Documentation
FinancialAmount	1	FinancialAmount	The business document must express financial amounts.
InvoiceChargeType	0..1	InvoiceChargeType	Code identifying the values for the types of charges contained in an invoice.
MonetaryAmount Type	0..1	MonetaryAmountType	Code identifying whether the monetary amount is a debit or credit.
AmountType	0..1	AmountType	Code identifying the type of monetary amount.

## 3.2.2 CodeList

### 3.2.2.1 InvoiceChargeType

Code identifying the values for the types of charges contained in an invoice.

Name	Documentation
ALC	Allowances and Charges.
CUC	Custom Charges.
DEA	Deposit Amount.
ESC	Expedited Shipping Charge - Charge for accelerating the delivery of a product.
FRC	Freight Charges.
HAC	Handling Charges.
LEC	Lease Charge - Charge for the use of a product in which the purchaser assumes certain responsibilities of ownership.
LIC	License Charge - Charge for the use of a product (usually software) in which

	the manufacturer maintains ownership of the product.
MAC	Maintenance Charge - Charge (usually periodic) for providing maintenance support for a product.
PUC	Purchase Charge - Charge for a product in which the buyer takes all responsibilities of ownership.
QUD	Quantity Discount.
REC	Rental Charge - Charge for the use of a product (usually hardware) in which the manufacturer maintains ownership of the product.

### 3.2.2.2 MonetaryAmountType

Code identifying whether the monetary amount is a debit or credit.

Name	Documentation
CRE	Credit.
DEB	Debit.
ZER	Zero remit.

### 3.2.2.3 PaymentMethod

Code identifying how the trading partner paid the seller for the product.

Name	Documentation
ACH	Automated Clearing House (ACH).
ACR	ACH Reversal.
BAD	Batched Delivery.
BIA	Billing Account.
BND	Bank Draft.
BOE	Book Entry.
CAC	Cashier's Check.
CAS	Cash.
CBB	Compensation by Balance.
CCP	ACH Savings Cash Concentration/Disbursement Plus (CCD+) Credit.
CCR	CCD+(NACHA Cash Concentration/Disbursement - Funds Transacted Plus an 80 Record Remittance Detail).
CCW	CCD (NACHA Cash Concentration/Disbursement - Funds Transacted without Remittance Information).
CDA	Credit/Debit Account.
CDD	Pre-Arranged Payment or Deposit (PPD) Credit to a Demand Deposit Account.
CDP	ACH Savings Cash Concentration/Disbursement Plus (CCD+) Debit.
CDS	Pre-Arranged Payment or Deposit (PPD) Credit to Savings.
CHE	Check.
CHIPS	Clearing House Interbank Payment System (CHIPS)Funds/Wire Transfer.
CLH	Clearinghouse.
CPC	Collect Payment by Company Check.
CPF	Collect Payment by Certified Funds.
CPP	Pre-Arranged Payment or Deposit Plus Addendum (PPD+) Credit to a Demand Deposit Account.
CRA	Credit Account.
CRC	Credit Card.

CRE	Credit.
CTC	ACH Savings Corporate Trade Exchange (CTX) Credit.
CTD	ACH Savings Corporate Trade Exchange (CTX) Debit.
CTP	CTP (NACHA Corporate Trade Payment - Transaction Plus Remittance Detail in Fixed Format).
CTX	CTX (NACHA Corporate Trade Exchange - Transaction Plus Remittance Detail in ANSI Standard Flexible Format).
CXC	ACH Demand Corporate Trade Exchange (CTX) Credit.
CXD	ACH Demand Corporate Trade Exchange (CTX) Debit.
DBT	Defined by TPA.
DCC	ACH Demand Cash Concentration/Disbursement (CCD) Credit.
DCD	ACH Demand Cash Concentration/Disbursement (CCD) Debit.
DCP	ACH Demand Cash Concentration/Disbursement Plus (CCD+) Credit.
DDA	Pre-Arranged Payment or Deposit (PPD) Debit to a Demand Deposit Account.
DDP	ACH Demand Cash Concentration/Disbursement Plus (CCD+) Debit.
DEB	Debit.
DEC	Debit Card.
DEM	Debit Memo.
DID	Direct Deposit.
DPP	Pre-Arranged Payment or Deposit Plus Addendum (PPD+) Debit to a Demand Deposit Account.
DRA	Draft.
DWO	Discount was Offered.
ECN	EDIBANX Clearing Network.
EFT	EFT.
EPS	Electronic Payment System.
EXC	1035 Exchange.
FIN	Financed.
FIO	Financial Institution Option.
FPB	Freight Payment Bank.
FRN	Federal Reserve Funds/Wire Transfer - Nonrepetitive.
FRR	Federal Reserve Funds/Wire Transfer - Repetitive.
GRA	Graduated.
INS	Invoiced Separately.
JPO	Joint Purchase Option.
LAP	Lease Agreement is in Place.
LEV	Level (Sum Constant).
LOB	Lock Box.
LOC	Letter of Credit has been provided.
MOD	Money order.
MOO	Money Order.
MOR	Mail order.
NPD	Non-Payment Data.
NPR	No Payment is Required.
OTH	Other.
PAM	Payment has Already been Made.
PAN	Payment is Net.
PAS	Payment after shipment.
PBC	Payment is made by Check.

PBS	Payment before shipment.
PCC	Payment is pre-paid with Credit Card.
PCP	ACH Savings Cash Concentration/Disbursement (PPD+) Credit.
PDD	ACH Savings Cash Concentration/Disbursement (PDD) Debit.
PDP	ACH Savings Cash Concentration/Disbursement (PPD+) Debit.
PIK	Payment was made in Kind.
PME	Payment was Made Electronically.
PMI	Payment will be made the Month after the Invoice.
PMN	Promissory note.
PNA	Private Netting Agreement, Pay by Wire Transfer.
PPC	Payment is made by Pre-paid Check.
PPD	ACH Savings Cash Concentration/Disbursement (PPD) Credit.
PPW	Payment is Pre-paid by Wire.
PRC	Preauthorized Check (Draft).
PRN	Proprietary Network.
PVC	Previously Charged.
PVN	Private Netting, Pay by Check.
PWT	Payment is made via Wire Transfer.
PYN	Payment note.
RDA	Related Detail Account.
SCC	ACH Savings Cash Concentration/Disbursement (CCD) Credit.
SCD	ACH Savings Cash Concentration/Disbursement (CCD) Debit.
SPA	Special Account.
SUA	Summary Account.
SWIFT	Society for Worldwide Interbank Financial Telecommunications (S.W.I.F.T.).
TGT	Telegraphic transfer.
TOF	Transfer of Funds by the banking institution.
TRC	Traveler's Check.
VIS	VISA Special Electronic Funds Transfer Network.
WAI	Waived.
WIT	Wire Transfer.

### 3.2.2.4 AmountType

Code identifying the type of monetary amount.

<b>Name</b>	<b>Documentation</b>
DIP	Discount Percentage.
DIS	Discount Value - The monetary amount of the discount on the price applied to a customer order.
FRE	Freight Charges - The monetary amount to be paid for freight transportation.
INS	InsuranceCharges - The monetary amount to be paid for freight insurance.
MAT	Material Cost - This object represents the material cost for the product.
MIS	Miscellaneous Charges - The monetary amount to be paid for miscellaneous charges.
NET	Net Amount.
PRC	Processing Charges - The monetary amount to be paid by consignee for consignment manufacturer.
TOD	Total Amount Due - Total amount due upon receipt of statement.
TOT	Total Amount - Total price for an entire business document.
TOV	Total Value Added Amount - The total amount of the shipment including any value added tax.
UNI	Unit Price - Agreed upon sale price for each unit ordered.
VAD	Value Added Unit Price - The price of a unit including any value added tax.

## 4. Universal Structure

### 4.1 ContactInformation

#### 4.1.1 ContactInformation

The business document must allow for the identification of the name of the department, service or individual to be contacted regarding the context of the business document.

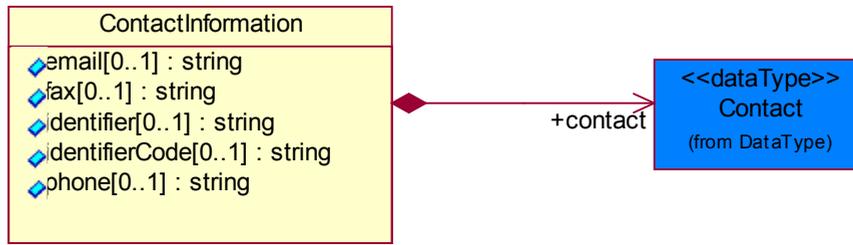


Figure 4-1 ContactInformation

Attribute	Type	Documentation
email[0..1]	string	The electronic mail for the specified contact.
fax[0..1]	string	The fax number for the specified contact.
identifier[0..1]	string	Identifies the role of the contact (i.e. Service Technician, Account Manager) in the Business Process.
identifierCode[0..1]	string	IdentifierCode is a unique security authorization code to identify the contact- ie. badge ID.
phone[0..1]	string	The telephone number for the specified contact.

Composition	Cardinality	Type	Documentation
contact	1	Contact	The name of the department, service or individual to be contacted within the organization.

## 4.2 DataType

### 4.2.1 Contact

The name of the department, service or individual to be contacted within the organization.

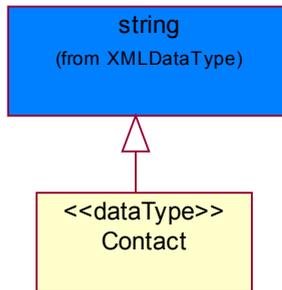


Figure 4-2 Contact

### 4.2.2 DUNS

A number assigned by Dun and Bradstreet to identify a business location.

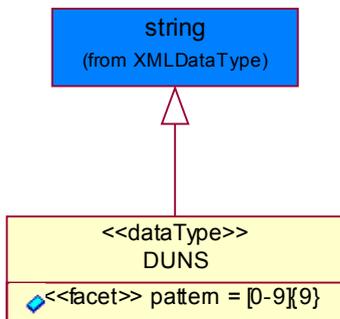
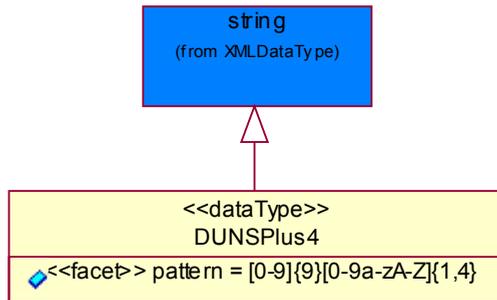


Figure 4-3 DUNS

Attribute	Type	Documentation
pattern		[0-9]{9}

### 4.2.3 DUNSPlus4

A identifier to specify a specific location within a business location.

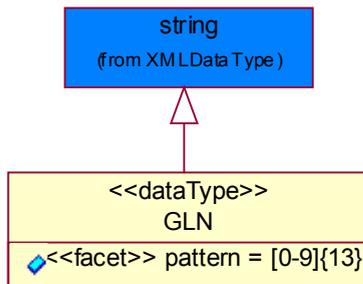


**Figure 4-4 DUNSPlus4**

Attribute	Type	Documentation
pattern		Data Universal Numbering System +4 (DUNS+4) number means the DUNS number assigned by Dun and Bradstreet, Inc. (D&B) plus an alphanumeric of length 4 suffix that may be assigned by a business concern.

### 4.2.4 GLN

Global Location Number (GLN) - A identifier to identify legal entities, trading parties and location.



**Figure 4-5 GLN**

Attribute	Type	Documentation
pattern		[0-9]{13}

## 4.3 Document

### 4.3.1 BusinessDocumentReference

The business document reference object allows for the indirect referencing of a relationship to other business related documents.

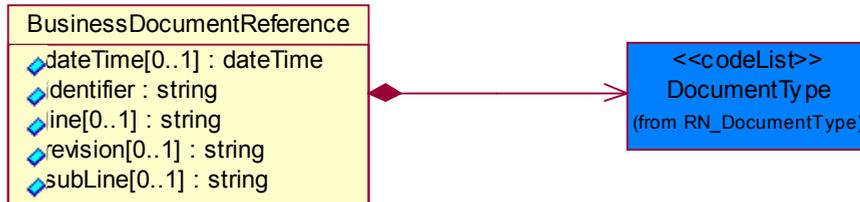


Figure 4-6 BusinessDocumentReference

Attribute	Type	Documentation
dateTime[0..1]	dateTime	The date-time stamp indicating on the referenced business document.
identifier	string	Unique identification of the referenced business document.
line[0..1]	string	References the specific line number of the specified business document.
revision[0..1]	string	Referenced the revision of the specified business document.
subLine[0..1]	string	References the specific subline number of the specified business document.

Composition	Cardinality	Type	Documentation
DocumentType	1	DocumentType	A code identifying the business context of a document.

## 4.4 Locations

### 4.4.1 AlternativeIdentifier

Identifies the specified code and the name of the organization that a code is utilized from.

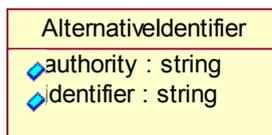


Figure 4-7 AlternativeIdentifier

Attribute	Type	Documentation
authority	string	The name of the organization that a code is utilized from.
identifier	string	The specified code to represent an entity (e.g. product, location, partner, etc.).

## 4.4.2 Location

The business document must specify a location.

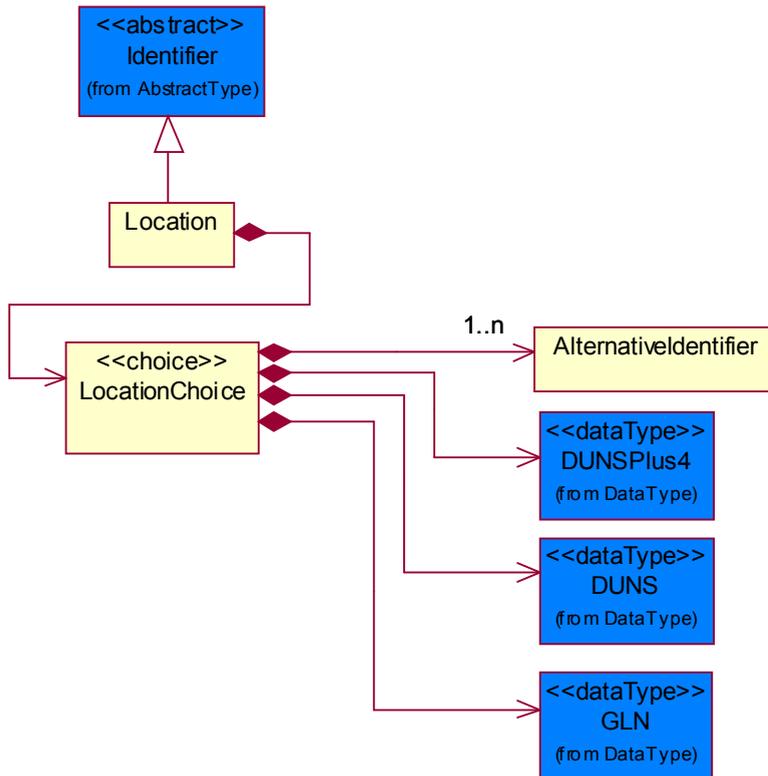


Figure 4-8 Location

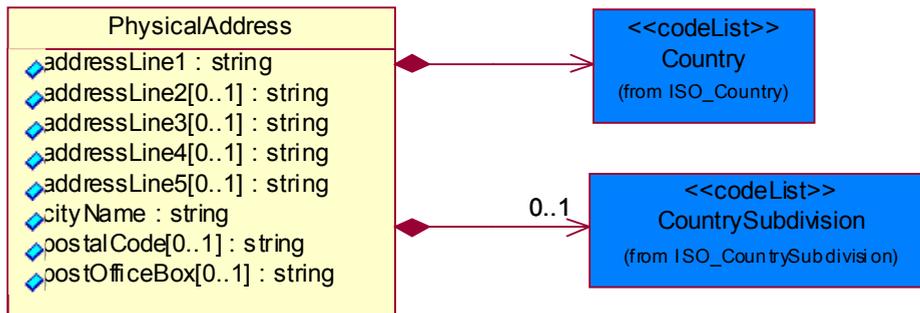
Composition	Cardinality	Type	Documentation
LocationChoice	1	LocationChoice	

## 4.4.3 LocationChoice

Composition	Cardinality	Type	Documentation
DUNSPlus4	1	DUNSPlus4	A identifier to specify a specific location within a business location.
DUNS	1	DUNS	A number assigned by Dun and Bradstreet to identify a business location.
AlternativeIdentifier	1..n	AlternativeIdentifier	Identifies the specified code and the name of the organization that a code is utilized from.
GLN	1	GLN	Global Location Number (GLN) - A identifier to identify legal entities, trading parties and location.

#### 4.4.4 PhysicalAddress

The business document must provide a physical address for a party to the business transaction.



**Figure 4-9 PhysicalAddress**

Attribute	Type	Documentation
addressLine1	string	The first line of a physical address.
addressLine2[0..1]	string	The second line of a physical address.
addressLine3[0..1]	string	The third line of a physical address.
addressLine4[0..1]	string	The fourth line of a physical address.
addressLine5[0..1]	string	The fifth line of a physical address.
cityName	string	The name of a city.
postalCode[0..1]	string	Identifying geographic location as specified by a national postal code.
postOfficeBox[0..1]	string	The Post Office Box identifier used to identify a party's post office box.

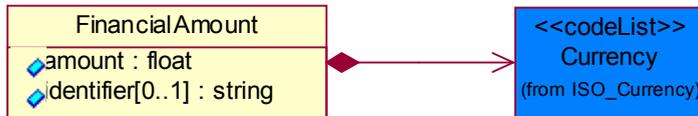
Composition	Cardinality	Type	Documentation
Country	1	Country	For representation of Country name RosettaNet has adopted ISO 3166-3; 1999. Refer to the following web page to get the latest version of the standard: <a href="http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html">http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html</a> . If you need more information about the ISO standard please contact ISO for more details.
CountrySubdivision	0..1	CountrySubdivision	For representation of a Countries subdivisions RosettaNet has adopted ISO 3166-3; 1999. Refer to the following web page to get the latest version of the standard: <a href="http://www.iso.ch/iso/en/pro">http://www.iso.ch/iso/en/pro</a>

			<a href="ds-services/iso3166ma/02iso-3166-code-lists/index.html">ds-services/iso3166ma/02iso-3166-code-lists/index.html</a> . If you need more information about the ISO standard please contact ISO for more details.
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## 4.5 MonetaryExpression

### 4.5.1 FinancialAmount

The business document must express financial amounts.



**Figure 4-10 FinancialAmount**

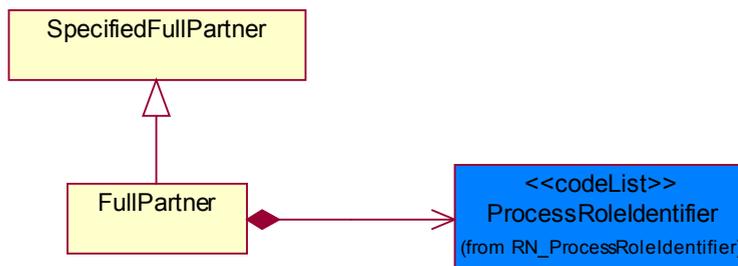
Attribute	Type	Documentation
amount	float	Specifies the monetary amount.
identifier[0..1]	string	Identifier is a unique identifier to which the specific price is tied - ie. promotion name/ program.

Composition	Cardinality	Type	Documentation
Currency	1	Currency	For representation of Currency codes RosettaNet has adopted ISO 4217; 1995. The British Standards Institution (BSI) is the ISO 4217 Maintenance Agency. Refer to the following web page to get the latest version of the standard: <a href="http://www.bsi-global.com/Technical+Information/Publications/Publications/tig90.xalter">http://www.bsi-global.com/Technical+Information/Publications/Publications/tig90.xalter</a> . If you need more information about the ISO standard please contact ISO for more details.

## 4.6 PartnerIdentification

### 4.6.1 FullPartner

The business document must describe the trading partners in the business transaction. This data structure provide the flexibility to describe a partner in all possible methods as for new, existing or known partner.



**Figure 4-11 FullPartner**

Composition	Cardinality	Type	Documentation
ProcessRoleIdentifier	1	ProcessRoleIdentifier	Describes the role of the partner in the business process. A partner will fulfill at least one or more roles during the business process.

### 4.6.2 IntermittentPartner

The business document must describe a physical address for a delivery.

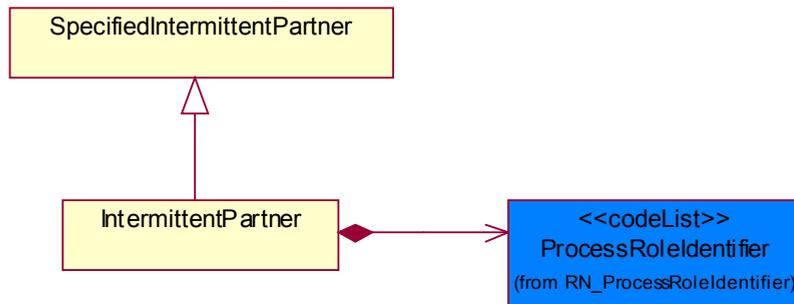


Figure 4-12 IntermittentPartner

Composition	Cardinality	Type	Documentation
ProcessRoleIdentifier	1	ProcessRoleIdentifier	Describes the role of the partner in the business process. A partner will fulfill at least one or more roles during the business process.

### 4.6.3 KnownPartner

The business document must describe the trading partners in the business transaction.

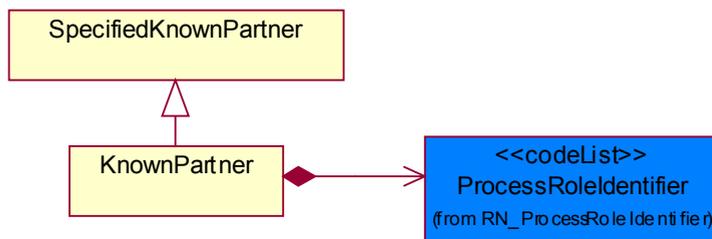


Figure 4-13 KnownPartner

Composition	Cardinality	Type	Documentation
ProcessRoleIdentifier	1	ProcessRoleIdentifier	Describes the role of the partner in the business process. A partner will fulfill at least one or more roles during the business process.

#### 4.6.4 KnownPartnerContact

The business document must describe the trading partners in the business transaction.

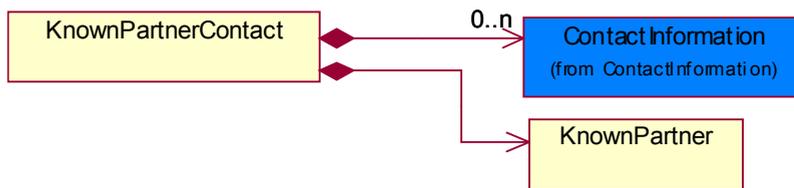


Figure 4-14 KnownPartnerContact

Composition	Cardinality	Type	Documentation
KnownPartner	1	KnownPartner	The business document must describe the trading partners in the business transaction.
ContactInformation	0..n	ContactInformation	The business document must allow for the identification of the name of the department, service or individual to be contacted regarding the context of the business document.

### 4.6.5 NewPartner

The business document must describe a new, existing (but known to only one of the parties to the transaction) or an unknown party to the business transaction.

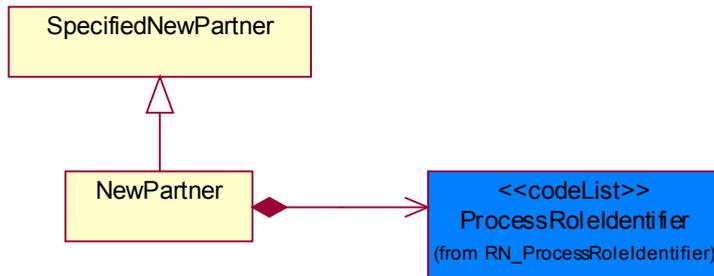


Figure 4-15 NewPartner

Composition	Cardinality	Type	Documentation
ProcessRoleIdentifier	1	ProcessRoleIdentifier	Describes the role of the partner in the business process. A partner will fulfill at least one or more roles during the business process.

### 4.6.6 PartnerDescription

The collection of business properties that describe a business partners' identity, their contact information, where they are physically located and their function in a supply chain.

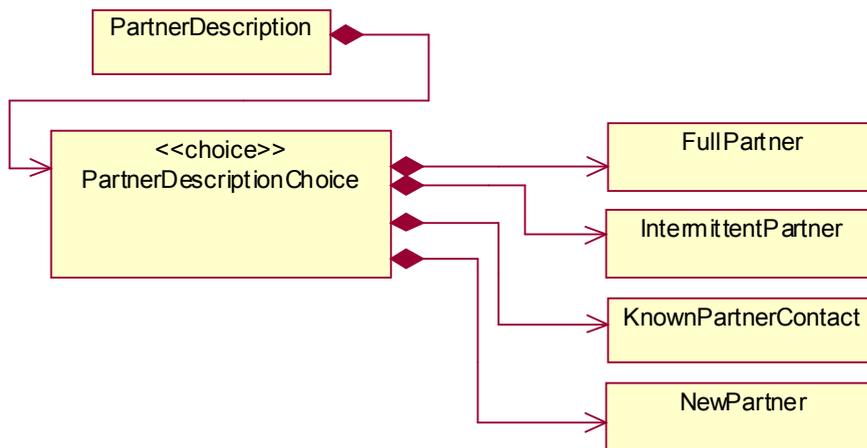


Figure 4-16 PartnerDescription

Composition	Cardinality	Type	Documentation
PartnerDescriptionChoice	1	PartnerDescriptionChoice	

#### 4.6.7 PartnerDescriptionChoice

<b>Composition</b>	<b>Cardinality</b>	<b>Type</b>	<b>Documentation</b>
KnownPartnerContact	1	KnownPartnerContact	The business document must describe the trading partners in the business transaction.
IntermittentPartner	1	IntermittentPartner	The business document must describe a physical address for a delivery.
NewPartner	1	NewPartner	The business document must describe a new, existing (but known to only one of the parties to the transaction) or an unknown party to the business transaction.
FullPartner	1	FullPartner	The business document must describe the trading partners in the business transaction. This data structure provide the flexibility to describe a partner in all possible methods as for new, existing or known partner.

### 4.6.8 PartnerIdentification

The business document must allow for the identity of one or more parties to the transaction.

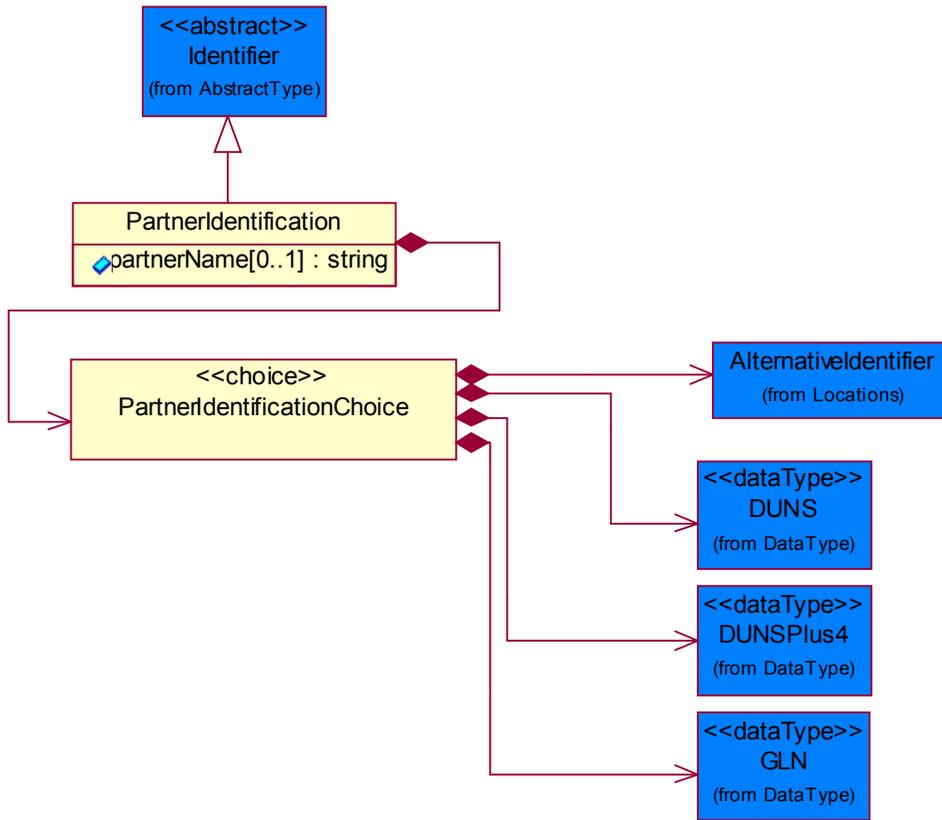


Figure 4-17 PartnerIdentification

Attribute	Type	Documentation
partnerName[0..1]	string	The name of the partner’s company/business.

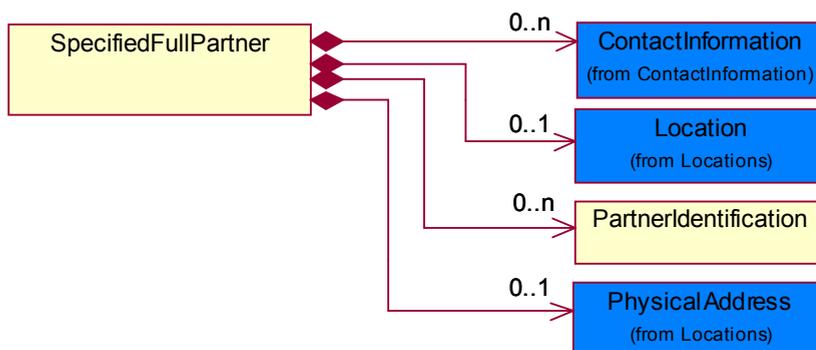
Composition	Cardinality	Type	Documentation
PartnerIdentificationChoice	1	PartnerIdentificationChoice	

#### 4.6.9 PartnerIdentificationChoice

Composition	Cardinality	Type	Documentation
AlternativeIdentifier	1	AlternativeIdentifier	Identifies the specified code and the name of the organization that a code is utilized from.
DUNS	1	DUNS	A number assigned by Dun and Bradstreet to identify a business location.
DUNSPlus4	1	DUNSPlus4	A identifier to specify a specific location within a business location.
GLN	1	GLN	Global Location Number (GLN) - A identifier to identify legal entities, trading parties and location.

#### 4.6.10 SpecifiedFullPartner

The business document must describe the trading partners in the business transaction. This data structure provide the flexibility to describe a partner in all possible methods as for new, existing or known partner. This is specifically for partner who role has been specified.



**Figure 4-18 SpecifiedFullPartner**

Composition	Cardinality	Type	Documentation
ContactInformation	0..n	ContactInformation	The business document must allow for the identification of the name of the department, service or individual to be contacted regarding the context of the business document.
Location	0..1	Location	The business document must specify a location.
PartnerIdentification	0..n	PartnerIdentification	The business document must allow for the identity

			of one or more parties to the transaction.
PhysicalAddress	0..1	PhysicalAddress	The business document must provide a physical address for a party to the business transaction.

#### 4.6.11 SpecifiedIntermittentPartner

The business document must describe a physical address for a delivery.

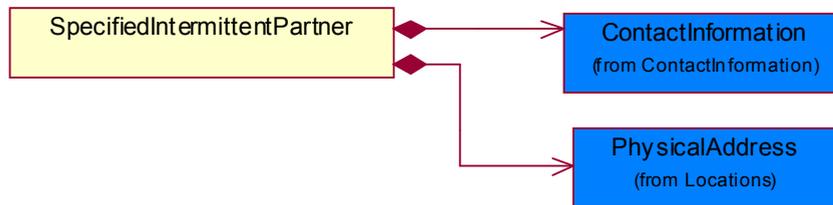


Figure 4-19 SpecifiedIntermittentPartner

Composition	Cardinality	Type	Documentation
ContactInformation	1	ContactInformation	The business document must allow for the identification of the name of the department, service or individual to be contacted regarding the context of the business document.
PhysicalAddress	1	PhysicalAddress	The business document must provide a physical address for a party to the business transaction.

#### 4.6.12 SpecifiedKnownPartner

The business document must describe the trading partners in the business transaction.



Figure 4-20 SpecifiedKnownPartner

Composition	Cardinality	Type	Documentation
PartnerIdentification	1	PartnerIdentification	The business document must allow for the identity of one or more parties to the transaction.

#### 4.6.13 SpecifiedNewPartner

The business document must describe a new, existing (but known to only one of the parties to the transaction) or an unknown party to the business transaction.

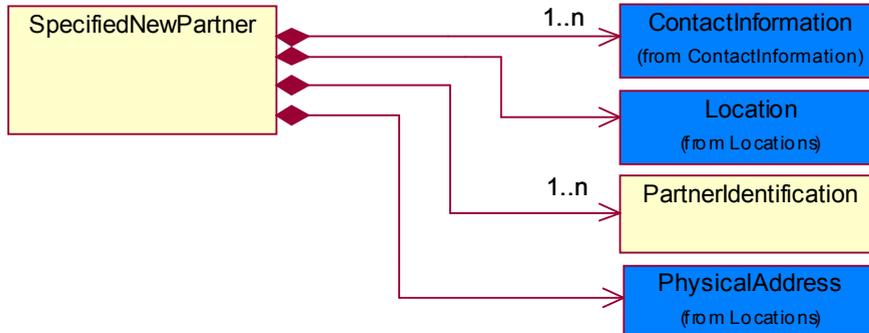


Figure 4-21 SpecifiedNewPartner

Composition	Cardinality	Type	Documentation
ContactInformation	1..n	ContactInformation	The business document must allow for the identification of the name of the department, service or individual to be contacted regarding the context of the business document.
Location	1	Location	The business document must specify a location.
PhysicalAddress	1	PhysicalAddress	The business document must provide a physical address for a party to the business transaction.
PartnerIdentification	1..n	PartnerIdentification	The business document must allow for the identity of one or more parties to the transaction.

## 4.7 ProductIdentification

### 4.8 CodeList

#### 4.8.1 Country

For representation of Country name RosettaNet has adopted ISO 3166-3; 1999. Refer to the following web page to get the latest version of the standard:

<http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html>

If you need more information about the ISO standard please contact ISO for more details.

#### 4.8.2 CountrySubdivision

For representation of a Countries subdivisions RosettaNet has adopted ISO 3166-3; 1999. Refer to the following web page to get the latest version of the standard:

<http://www.iso.ch/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/index.html>

If you need more information about the ISO standard please contact ISO for more details.

#### Currency

For representation of Currency codes RosettaNet has adopted ISO 4217; 1995. The British Standards Institution (BSI) is the ISO 4217 Maintenance Agency. Refer to the following web page to get the latest version of the standard:

<http://www.bsi-global.com/Technical+Information/Publications/Publications/tig90.xalter>

If you need more information about the ISO standard please contact ISO for more details.

#### 4.8.4 Language

For representation of Language name RosettaNet has adopted ISO 639-2; 1998. Refer to the following web page to get the latest version of the standard:

<http://www.loc.gov/standards/iso639-2/iso639jac.html>

If you need more information about the ISO standard please contact ISO for more details.

#### 4.8.5 DocumentType

A code identifying the business context of a document.

Instance	Documentation
APM	Applied Promotions.
ARA	Authorization Request Approval.
CAR	Certificate of Analysis Response.
CBN	Product batch number of customer.
CCN	Customs clearance number.
CFA	Failure Analysis - Request document that will accompany the product providing characteristics of the component failure.
CIN	Commercial Invoice.
CNM	Traditional credit note or memo.
COA	Certificate of Analysis.

CON	In a virtual sourcing relationship, a third party trading partner is supplying a part to a customer on behalf of another company that has taken the order for the customer. In this case a Customer Order Number is associated to the request for material that is sent to the virtual trading partners.
COS	Consumption Notice.
COT	Contract.
CRN	Unique consumption reference number identifying the product consumption issue i.e. one-to-one relationship with physical flow.
DEM	Traditional debit note or memo.
DEN	Delivery Note.
DIN	Discontinuation Notice.
DOR	Delivery Order.
DRN	Drawing Number.
DRR	Design Registration Request.
ECO	Engineering Change Order - The proprietary unique identification number that represents an engineering change order.
EDD	Export Declaration Document.
EIR	Engineering Information Request.
EOL	End of Life.
FUO	Sales order or transfer order fulfilling demand out of a facility (outbound shipment).
IDD	Import Declaration Document.
INV	Invoice.
LID	Location Identifier. Data for on-site work that have to be done on the machine (associated with preventive maintenance order).
MEN	Master Event Number.
MID	Machine Identifier. Data for on-site work that have to be done on the machine (associated with preventive maintenance order).
MON	Model Number.
NTS	Notes.
OCL	The unique identifier assigned by the OEM for a warranty claim.
OGA	Other governmental agency issued document.
OPO	The unique identifier assigned by the OEM for a part order.
OPR	The unique identifier assigned by the OEM for a part return.
PCN	Product/Process Change.
PFA	Failure Analysis - Request document that will accompany the product providing characteristics of the product failure.
PII	Refers to previously issued invoice.
PLS	Unique number that identifies packing form prior to shipment.
POI	Purchase Order IN.
PON	Production order number for material release.
POO	Purchase Order OUT.
PRC	Product Catalog.
PSI	Refers to previously issued self-billing invoice.
PUO	Purchase Order.
QUO	Quote.
REC	Document identifying the receipt of materials or products into a facility against a purchase order or transfer order (inbound shipment).
REN	Release Number.
REO	Purchase order or transfer order replenishing inventory into a facility

	(inbound shipment).
REQ	Requisition.
RMA	Returned Material Authorization.
RPO	Purchase order for materials or product returned to and reworked by a supplier.
RTA	Remittance Advice - Remittance details.
SAO	Sales Order.
SBC	Credit Memo used in self-billing scenario.
SBD	Debit Memo used in self-billing scenario.
SBI	Invoice in self billing scenario.
SBN	Product batch number of supplier.
SCA	Similar to contracts - Contains the quantity of an article that is to be ordered from a vendor and the price for article or service that is to be procured.
SEN	Serial Number.
SEO	A document that gives a repair provider the necessary authorization to repair or upgrade a product either at the customer site or at the repair provider's site.
SHD	Shipping Document.
SNC	Shipset Number on Code List.
SPC	The unique identifier assigned by the ASP for a warranty claim.
SPN	Spec Number.
SPO	The unique identifier assigned by the ASP for a part order.
SPR	The unique identifier assigned by the ASP for a part return.
SPW	The unique identifier assigned by the ASP to reference a work order.
SRI	A document that contains the shipping reference number which allows the product to be tracked within the outsourced logistic providers network.
SWT	Switch Authorization.
TCS	Terms and Conditions.
TRO	Order which results in materials or products being moved from one facility to another (outbound shipment and inbound shipment).
WAB	Waybill.
WAC	Denotes a warranty claim.
WOO	Work Order.

#### 4.8.6 MimeTypeQualifier

The MIME type as defined by IANA.

Please refer to <http://www.iana.org/assignments/media-types/> for a list of types.

Instance	Documentation
application/activemessage	[Shapiro]
application/andrew-inset	[Borenstein]
application/applefile	[Faltstrom]
application/atomicmail	[Borenstein]
application/batch-SMTP	[RFC2442]
application/beep+xml	[RFC3080]
application/cals-1840	[RFC1895]
application/cnrp+xml	[RFCCNRP]

application/commonground	[Glazer]
application/cpl+xml	
application/cybercash	[Eastlake]
application/dca-rft	[Campbell]
application/dec-dx	[Campbell]
application/dicom	[RFC3240]
application/dvcs	[RFC3029]
application/EDI-Consent	[RFC1767]
application/EDIFACT	[RFC1767]
application/EDI-X12	[RFC1767]
application/eshop	[Katz]
application/font-tdpfr	[RFC3073]
application/http	[RFC2616]
application/hyperstudio	[Domino]
application/iges	[Parks]
application/index	[RFC2652]
application/index.cmd	[RFC2652]
application/index.obj	[RFC2652]
application/index.response	[RFC2652]
application/index.vnd	[RFC2652]
application/iotp	[RFC2935]
application/ipp	[RFC2910]
application/isup	[RFC3204]
application/mac-binhex40	[Faltstrom]
application/macwriteii	[Lindner]
application/marc	[RFC2220]
application/mathematica	[Van Nostern]
application/msword	[Lindner]
application/news-message-id	[RFC1036, Spencer]
application/news-transmission	[RFC1036, Spencer]
application/ocsp-request	[RFC2560]
application/ocsp-response	[RFC2560]
application/octet-stream	[RFC2045, RFC2046]
application/oda	[RFC2045, RFC2046]
application/ogg	[RFC-walleij-ogg-mediatype-08.txt]
application/parityfec	[RFC3009]
application/pdf	[Lindner]
application/pgp-encrypted	[RFC3156]
application/pgp-keys	[RFC3156]
application/pgp-signature	[RFC3156]
application/pkcs10	[RFC2311]
application/pkcs7-mime	[RFC2311]
application/pkcs7-signature	[RFC2311]
application/pkix-cert	[RFC2585]
application/pkixcmp	[RFC2510]
application/pkix-crl	[RFC2585]
application/postscript	[RFC2045, RFC2046]
application/prs.alvestrand.titrax-sheet	[Alvestrand]
application/prs.cww	[Rungchavalnont]
application/prs.nprend	[Doggett]

application/prs.plucker	[Janssen]
application/qsig	[RFC3204]
application/reginfo+xml	[RFC-ietf-sipping-reg-event-00.txt]
application/remote-printing	[RFC1486,Rose]
application/riscos	[Smith]
application/rtf	[Lindner]
application/sdp	[RFC2327]
application/set-payment	[Korver]
application/set-payment-initiation	[Korver]
application/set-registration	[Korver]
application/set-registration-initiation	[Korver]
application/sgml	[RFC1874]
application/sgml-open-catalog	[Grosso]
application/sieve	[RFC3028]
application/slate	[Crowley]
application/timestamp-query	[RFC3161]
application/timestamp-reply	[RFC3161]
application/tve-trigger	[Welsh]
application/vemmi	[RFC2122]
application/vnd.3gpp.pic-bw-large	[Meredith]
application/vnd.3gpp.pic-bw-small	[Meredith]
application/vnd.3gpp.pic-bw-var	[Meredith]
application/vnd.3gpp.sms	[Meredith]
application/vnd.3M.Post-it-Notes	[O'Brien]
application/vnd.accpac.simply.aso	[Leow]
application/vnd.accpac.simply.imp	[Leow]
application/vnd.acucobol	[Lubin]
application/vnd.acucorp	[Lubin]
application/vnd.adobe.xfdf	[Perelman]
application/vnd.aether.imp	[Moskowitz]
application/vnd.amiga.ami	[Blumberg]
application/vnd.anser-web-certificate-issue-initiation	[Mori]
application/vnd.anser-web-funds-transfer-initiation	[Mori]
application/vnd.audiograph	[Slusanschi]
application/vnd.blueice.multipass	[Holmstrom]
application/vnd.bmi	[Gotoh]
application/vnd.businessobjects	[Imoucha]
application/vnd.canon-cpdl	[Muto]
application/vnd.canon-lips	[Muto]
application/vnd.cinderella	[Kortenkamp]
application/vnd.claymore	[Simpson]
application/vnd.commerce-battelle	[Applebaum]
application/vnd.commonspace	[Chandhok]
application/vnd.contact.cmsg	[Patz]
application/vnd.cosmocaller	[Dellutri]
application/vnd.ctc-posml	[Kohlhepp]
application/vnd.cups-postscript	[Sweet]
application/vnd.cups-raster	[Sweet]

application/vnd.cups-raw	[Sweet]
application/vnd.curl	[Byrnes]
application/vnd.cybank	[Helmee]
application/vnd.data-vision.rdz	[Fields]
application/vnd.dna	[Searcy]
application/vnd.dpgraph	[Parker]
application/vnd.dreamfactory	[Appleton]
application/vnd.dxr	[Duffy]
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application/vnd.ecowin.fileupdate	[Olsson]
application/vnd.ecowin.series	[Olsson]
application/vnd.ecowin.seriesrequest	[Olsson]
application/vnd.ecowin.seriesupdate	[Olsson]
application/vnd.enliven	[Santinelli]
application/vnd.epson.esf	[Hoshina]
application/vnd.epson.msf	[Hoshina]
application/vnd.epson.quickanime	[Gu]
application/vnd.epson.salt	[Nagatomo]
application/vnd.epson.ssf	[Hoshina]
application/vnd.ericsson.quickcall	[Tidwell]
application/vnd.eudora.data	[Resnick]
application/vnd.fdf	[Zilles]
application/vnd.ffsns	[Holstage]
application/vnd.FloGraphIt	[Floersch]
application/vnd.framemaker	[Wexler]
application/vnd.fsc.weblaunch	[D.Smith]
application/vnd.fujitsu.oasys	[Togashi]
application/vnd.fujitsu.oasys2	[Togashi]
application/vnd.fujitsu.oasys3	[Okudaira]
application/vnd.fujitsu.oasysgp	[Sugimoto]
application/vnd.fujitsu.oasysprs	[Ogita]
application/vnd.fujixerox.ddd	[Onda]
application/vnd.fujixerox.docuworks	[Taguchi]
application/vnd.fujixerox.docuworks.binder	[Matsumoto]
application/vnd.fut-misnet	[Pruulmann]
application/vnd.grafeq	[Tupper]
application/vnd.groove-account	[Joseph]
application/vnd.groove-help	[Joseph]
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application/vnd.groove-injector	[Joseph]
application/vnd.groove-tool-message	[Joseph]
application/vnd.groove-tool-template	[Joseph]
application/vnd.groove-vcard	[Joseph]
application/vnd.hbci	[Hammann]
application/vnd.hhe.lesson-player	[Jones]
application/vnd.hp-HPGL	[Pentecost]
application/vnd.hp-hpid	[Gupta]
application/vnd.hp-hps	[Aubrey]

application/vnd.hp-PCL	[Pentecost]
application/vnd.hp-PCLXL	[Pentecost]
application/vnd.httpphone	[Lefevre]
application/vnd.hzn-3d-crossword	[Minnis]
application/vnd.ibm.afplinedata	[Buis]
application/vnd.ibm.electronic-media	[Tantlinger]
application/vnd.ibm.Minipay	[Herzberg]
application/vnd.ibm.modcap	[Hohensee]
application/vnd.ibm.secure-container	[Tantlinger]
application/vnd.informix-visionary	[Gales]
application/vnd.intercon.formnet	[Gurak]
application/vnd.intertrust.digibox	[Tomasello]
application/vnd.intertrust.nncp	[Tomasello]
application/vnd.intu.qbo	[Scratchley]
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application/vnd.japannet-verification-wakeup	[Fujii]
application/vnd.jsp	[Deckers]
application/vnd.kde.karbon	[Faure]
application/vnd.kde.kchart	[Faure]
application/vnd.kde.kformula	[Faure]
application/vnd.kde.kivio	[Faure]
application/vnd.kde.kontour	[Faure]
application/vnd.kde.kpresenter	[Faure]
application/vnd.kde.kspread	[Faure]
application/vnd.kde.kword	[Faure]
application/vnd.kenameaapp	[DiGiorgio-Haag]
application/vnd.koan	[Cole]
application/vnd.liberty-request+xml	[McDowell]
application/vnd.llamagraphics.life-balance.desktop	[White]
application/vnd.lotus-1-2-3	[Wattenberger]
application/vnd.lotus-approach	[Wattenberger]
application/vnd.lotus-freelance	[Wattenberger]
application/vnd.lotus-notes	[Laramie]
application/vnd.lotus-organizer	[Wattenberger]
application/vnd.lotus-screencam	[Wattenberger]
application/vnd.lotus-wordpro	[Wattenberger]
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application/vnd.mediastation.cdkey	[Flurry]

application/vnd.meridian-slideshow	[Wedel]
application/vnd.micrografx.flo	[Prevo]
application/vnd.micrografx.igx	[Prevo]
application/vnd.mif	[Wexler]
application/vnd.minisoft-hp3000-save	[Bartram]
application/vnd.mitsubishi.misty-guard.trustweb	[Tanaka]
application/vnd.Mobius.DAF	[Kabayama]
application/vnd.Mobius.DIS	[Kabayama]
application/vnd.Mobius.MBK	[Devasia]
application/vnd.Mobius.MQY	[Devasia]
application/vnd.Mobius.MSL	[Kabayama]
application/vnd.Mobius.PLC	[Kabayama]
application/vnd.Mobius.TXF	[Kabayama]
application/vnd.mophun.application	[Wennerstrom]
application/vnd.mophun.certificate	[Wennerstrom]
application/vnd.motorola.flexsuite	[Patton]
application/vnd.motorola.flexsuite.adsi	[Patton]
application/vnd.motorola.flexsuite.fis	[Patton]
application/vnd.motorola.flexsuite.gotap	[Patton]
application/vnd.motorola.flexsuite.kmr	[Patton]
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application/vnd.ms-lrm	[Ledoux]
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application/vnd.music-niff	[Butler]
application/vnd.netfpx	[Mutz]
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application/vnd.noblenet-sealer	[Solomon]
application/vnd.noblenet-web	[Solomon]
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application/vnd.novadigm.EDX	[Swenson]
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application/vnd.osa.netdeploy	[Klos]
application/vnd.palm	[Peacock]
application/vnd.pg.format	[Gandert]
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application/vnd.powerbuilder6	[Guy]

application/vnd.powerbuilder6-s	[Guy]
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application/vnd.powerbuilder75	[Shilts]
application/vnd.powerbuilder75-s	[Shilts]
application/vnd.powerbuilder7-s	[Shilts]
application/vnd.previewsystems.box	[Smolgovsky]
application/vnd.publishare-delta-tree	[Ben-Kiki]
application/vnd.pvi.ptid1	[Lamb]
application/vnd.pwg-multiplexed	[RFC3391]
application/vnd.pwg-xhtml-print+xml	[Wright]
application/vnd.Quark.QuarkXPress	[Scheidler]
application/vnd.rapid	[Szekely]
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application/vnd.seemail	[Webb]
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application/vnd.shana.informed.formtemplate	[Selzler]
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application/vnd.shana.informed.package	[Selzler]
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application/vnd.truedoc	[Chase]
application/vnd.ufdl	[Manning]
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application/vnd.uplanet.bearer-choice	[Martin]
application/vnd.uplanet.bearer-choice-wbxml	[Martin]
application/vnd.uplanet.cacheop	[Martin]
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application/vnd.xfdl	[Manning]
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application/whoispp-query	[RFC2957]
application/whoispp-response	[RFC2958]
application/wita	[Campbell]
application/wordperfect5.1	[Lindner]
application/x400-bp	[RFC1494]
application/xhtml+xml	[RFC3236]
application/xml	[RFC3023]
application/xml-dtd	[RFC3023]
application/xml-external-parsed-entity	[RFC3023]
application/zip	[Lindner]
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audio/AMR	[RFC3267]
audio/AMR-WB	[RFC3267]
audio/basic	[RFC2045,RFC2046]
audio/CN	[RFC3389]
audio/DAT12	[RFC3190]
audio/DVI4	
audio/EVRC	[RFC-ietf-avt-evrc-smv-03.txt]
audio/EVRC0	[RFC-ietf-avt-evrc-smv-03.txt]
audio/G.722.1	[RFC3047]
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audio/G723	
audio/G726-16	
audio/G726-24	
audio/G726-32	
audio/G726-40	
audio/G728	
audio/G729	
audio/G729D	
audio/G729E	
audio/GSM	
audio/GSM-EFR	
audio/L16	[RFC2586]
audio/L20	[RFC3190]
audio/L24	[RFC3190]
audio/L8	
audio/LPC	

audio/MP4A-LATM	[RFC3016]
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audio/RED	
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audio/SMV0	[RFC-ietf-avt-evrc-smv-03.txt]
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audio/vnd.cns.inf1	[McLaughlin]
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audio/vnd.everad.plj	[Cicelsky]
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audio/vnd.nuera.ecelp4800	[Fox]
audio/vnd.nuera.ecelp7470	[Fox]
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audio/vnd.qcelp	[Lundblade]
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image/gif	[RFC2045,RFC2046]
image/ief	[RFC1314] Image Exchange Format
image/jpeg	[RFC2045,RFC2046]
image/naplps	[Ferber]
image/png	[Randers-Pehrson]
image/prs.btif	[Simon]
image/prs.pti	[Laun]
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image/tiff-fx	[RFC3250] Tag Image File Format Fax eXtended
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image/vnd.fpx	[Spencer]
image/vnd.fst	[Fuldseth]

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image/vnd.net-fpx	[Spencer]
image/vnd.svf	[Moline]
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message/disposition-notification	[RFC2298]
message/external-body	[RFC2045,RFC2046]
message/http	[RFC2616]
message/news	[RFC 1036, H.Spencer]
message/partial	[RFC2045,RFC2046]
message/rfc822	[RFC2045,RFC2046]
message/s-http	[RFC2660]
message/sip	[RFC3261]
message/sipfrag	[RFC3420]
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model/mesh	[RFC2077]
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model/vnd.gdl	[Babits]
model/vnd.gs-gdl	[Babits]
model/vnd.gtw	[Ozaki]
model/vnd.mts	[Rabinovitch]
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multipart/byteranges	[RFC2068]
multipart/digest	[RFC2045,RFC2046]
multipart/encrypted	[RFC1847]
multipart/form-data	[RFC2388]
multipart/header-set	[Crocker]
multipart/mixed	[RFC2045,RFC2046]
multipart/parallel	[RFC2045,RFC2046]
multipart/related	[RFC2387]
multipart/report	[RFC1892]
multipart/signed	[RFC1847]
multipart/voice-message	[RFC2421,RFC2423]
text/calendar	[RFC2445]
text/css	[RFC2318]
text/directory	[RFC2425]
text/enriched	[RFC1896]
text/html	[RFC2854]
text/parityfec	[RFC3009]

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text/sgml	[RFC1874]
text/t140	[RFC2793]
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video/DV	[RFC3189]
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video/H263-2000	
video/JPEG	
video/MP1S	
video/MP2P	
video/MP2T	
video/MP4V-ES	[RFC3016]
video/mpeg	[RFC2045,RFC2046]
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video/nv	
video/parityfec	[RFC3009]
video/pointer	[RFC2862]
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video/vnd.motorola.videoop	[McGinty]
video/vnd.mpegurl	[Recktenwald]
video/vnd.nokia.interleaved-multimedia	[Kangaslampi]
video/vnd.objectvideo	[Clark]
video/vnd.vivo	[Wolfe]

#### 4.8.7 ProcessRoleIdentifier

Describes the role of the partner in the business process. A partner will fulfill at least one or more roles during the business process.

Instance	Documentation
ADM	Administered by - The party who is the administrative authority of an account.
ALT	Alternate approval by - The party who has approved a request in the event the approver is not able to respond.
APP	Approval by - The party who has approved a request.
AUT	Authorized By - The party who has authorized a request.
BIF	Bill from - The party that will issue the invoice.
BIT	Bill to - The party that will pay the invoice.
CBK	Customs Broker - CustomsBroker This object represents the party that declare the shipment on behalf of declarant.
CLF	Collect From - To enable the buyer to specify the location of where products not supplied directly by the seller/installer may be collected.
CLM	Claimed By - This object represents the claimant.
CNC	Cancellation party - The party who is cancelling the shipping order.
COR	Change originated by - The party who originates a proposed change.
COW	Change owned by - The party who owns or who is assigned responsibility for a proposed change.
CRA	Credit applicant - The party who is applying for credit.
CRE	Created by - The party responsible for creating a process or task.
CSP	Contract Service Provider.
CWN	contractOwner - The party who is the owner of the contract. For example, in the direct business, the buyer is the contract owner. In the distribution business, the buyer is the distributor and the contract owner is the reseller.
DCE	DesignCustomerApplicationEngineer. The demand customer's Field Application Engineer.
DCT	Declared To - This object represents the party that the declaration goes to.
DCU	DesignCustomer. The owner of the product for which the design has been created.
DIS	Distributed by - The party who supplies products to retailers.
DLR	Declared By - This object represents the party that declare the shipment.
DST	Distributed To - This object represents the party to send information to.
FCP	Forecast Partner - The collection of business properties that describes the partner types for a forecast.
FIA	From Install At - The collection of sender business properties that describes a business partners' identity, their contact information, where

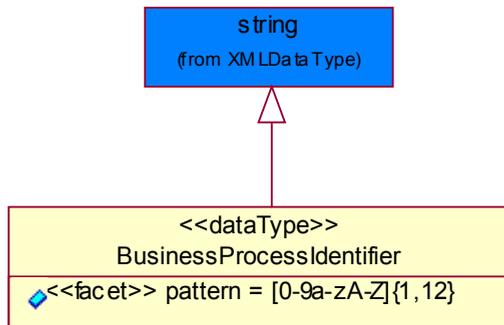
	they are physically located and their function in a supply chain.
FIN	Financed by - The party who is the financier.
FNB	Founded by - The party who performs the act, process, or art of casting metals.
FOR	Forwarded to - The party to whom a business document has been forwarded.
IMB	Imported By - The party responsible for importing the product.
INL	Inventory location - The party where the inventory product entry is located.
INO	Inventory owner - The party that owns the inventory product entry.
ITF	In transit from - The party sending the product quantity in a product location transfer.
ITL	installAt - The partner and/or location to which the product must be set up for use or service.
ITT	In transit to - The party receiving the product quantity in a product location transfer.
LGP	Logistics Provided By - The party who handles the details of an operation.
MFG	Manufactured by - The party who creates, processes or produces goods especially in large quantities and by means of industrial machines.
OWN	Owned by - The party who owns a process.
PAE	ProductProviderFieldApplicationEngineer. The product provider Field Application Engineer.
PCW	Primary Contract With - The primary party with whom a contract is formed.
PNB	Planning By - The party who establishes goals, policies or procedures.
PSR	ProductProviderSalesRepresentative. The product provider sales representative.
PUR	Purchased by - The party who is a purchaser of a product.
REA	Requested approval by - The party who has been selected to approve a request.
REC	Received by - The party who has received a product shipment.
REQ	Requested by - The party who has initiated a request.
RES	Respond to - The party to whom a responding business document must be sent when it is not equal to the partner specified in the document header.
RET	Return by - The party responsible for either carrying or forwarding the returned product.
REV	Reviewed by - The party responsible for reviewing a business document.
RFR	receivedFrom - The partner and/or location from where the product was shipped.
RLS	Released By - This object represents the party that releases the goods.
RMT	remitTo - The partner to which payment for a business document is sent.
RPB	Repaired By - The collection of business properties used to identify the business partner responsible for the repair or rework of a product.
RQT	Refer Quote To - The partner to whom a quote request is being referred.
RSF	Requested Ship From - The party where the product is requested to be shipped from.
RTT	ReturnTo - The partner and/or location to which the returned product

	must be delivered.
SBF	Self-billing from - The party who initiates the billing in self-billing scenario.
SBT	Self-billing to - The party whom the invoice is addressed to.
SCB	Subcontracted By - The party who is contracted to perform part or all of another party's contract.
SCP	Shipping charges paid by - The party responsible for administering payment of the shipping charges.
SCW	Secondary Contract With - The subsequent party(ies) with whom a contract is formed.
SHF	Ship From - The collection of business properties used to identify the business partner initiating a shipment or transaction.
SHT	Ship To - The partner and/or location to which the product must be delivered.
SLD	Sold to - The party to whom a product has been sold.
SOB	Sold By - The seller involved in a business transaction.
SPL	Supplied by - The party who supplies an item, part or assembly.
SPS	Service Provider Site - Identification for the location of the ASP site that is ordering the replacement parts and/or performing the repair.
SRT	Submit returns to - The party to whom product returns are to be submitted.
STR	Stored By - This object represents the party that stores the goods.
SVA	ShipVia - The partner and/or location through which the product must be shipped, such as the "cross dock" at a shipping hub. It must not be specified for the last leg, since this would be the same as the final destination specified in the ShipmentInformation/shipTo.
TFR	Transfer From - The party responsible for making the payment (Payer).
TIA	To Install At - The collection of receiver business properties that describes business partners' identity, their contact information, where they are physically located and their function in a supply chain.
TMT	Transfer Manufacturing To - The movement of the manufacturing process to another site.
TRA	Transported by - The party responsible for either carrying or forwarding the product.
TSB	Tested By - The collection of business properties used to identify the specific location and resources used to conduct a defined cycle or steps or measurements required to confirm a result or event.
TTR	Transfer To - The party who is receiving the payment (payee).
ULR	Ultimate recipient - The party who ultimately receives the shipment, when an intermediate party takes responsibility for payment and final delivery.
USE	Used by - The party who is the end user of the product.
UST	Unstuffed By - This object represents the party that unstuffs the goods.
WHB	Warehoused By - The party who stocks or stores products.

## 5. System Structure

### 5.1 BusinessProcessIdentifier

A Business Process Identifier to uniquely define the TPIR-PIP 'role' within a Business Scenario at a company or MNC level. The identifier **MUST** be composed of alphanumeric characters only and its length **MUST** be between one and twelve characters.

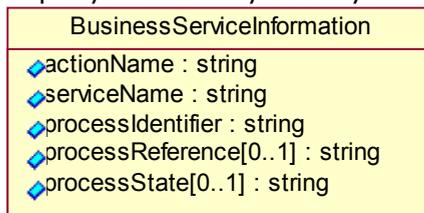


**Figure 5-1 BusinessProcessIdentifier**

Attribute	Type	Documentation
pattern		[0-9a-zA-Z]{1,12}

### 5.2 BusinessServiceInformation

The object allows the specification of the business service utilized within the partner company. This may or may not be the same as the information sent by the RNIF.

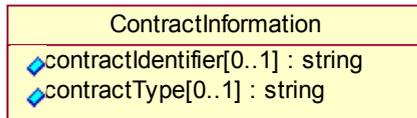


**Figure 5-2 BusinessServiceInformation**

Attribute	Type	Documentation
actionName	string	The name of Action. For RosettaNet usually any of Request/Confirm/Notify/Query/Response.
serviceName	string	The name of the Business Activity with the "Request/Confirm" part removed. E.g., for the Activity "Request Purchase Order" ==> "Purchase Order".
processIdentifier	string	The name of the PIP e.g. Notify of Forecast Reply.
processReference [0..1]	string	The URN for the PIP that includes Cluster/Segment/Process pattern used to identify the interface process (such as PIP3A4)
processState[0..1]	string	The business process (or service) state of the sender of a document. When a service receives this document, the receiver may use the state as a precondition.

## 5.3 ContractInformation

A block of information used to correlate a contract in an executing choreography.

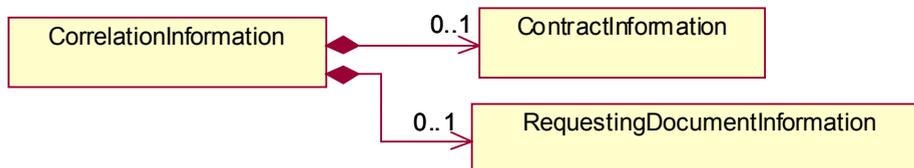


**Figure 5-3 ContractInformation**

Attribute	Type	Documentation
contractIdentifier[0..1]	string	Unique identification of a contract between the Sender and the Receiver
contractType[0..1]	string	The type of the contract: an attribute describing the type of the ContractIdentification. Valid values are URI, URN, ebXMLCPA, or other values defined by partners.

## 5.4 CorrelationInformation

A block of information used to correlate a requesting document to a responding document and to the contract in an executing choreography.



**Figure 5-4 CorrelationInformation**

Composition	Cardinality	Type	Documentation
ContractInformation	0..1	ContractInformation	A block of information used to correlate a contract in an executing choreography.
RequestingDocumentInformation	0..1	RequestingDocumentInformation	A block of information used to correlate a requesting document to a responding document in an executing choreography.

## 5.5 DocumentHeader

The object allows for the identification of the sender and receiver of the business document.

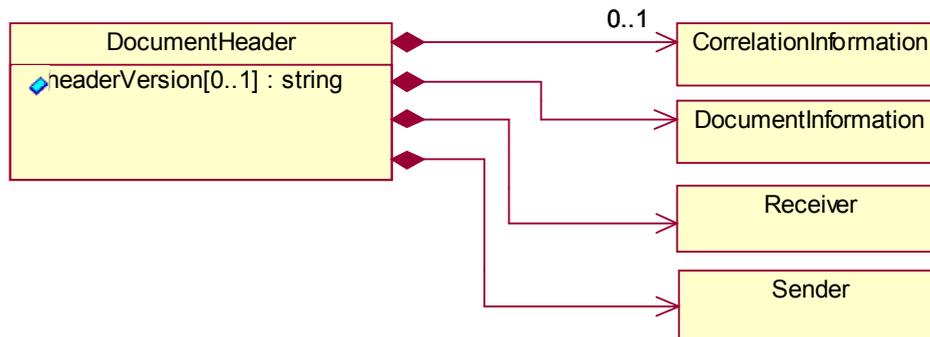


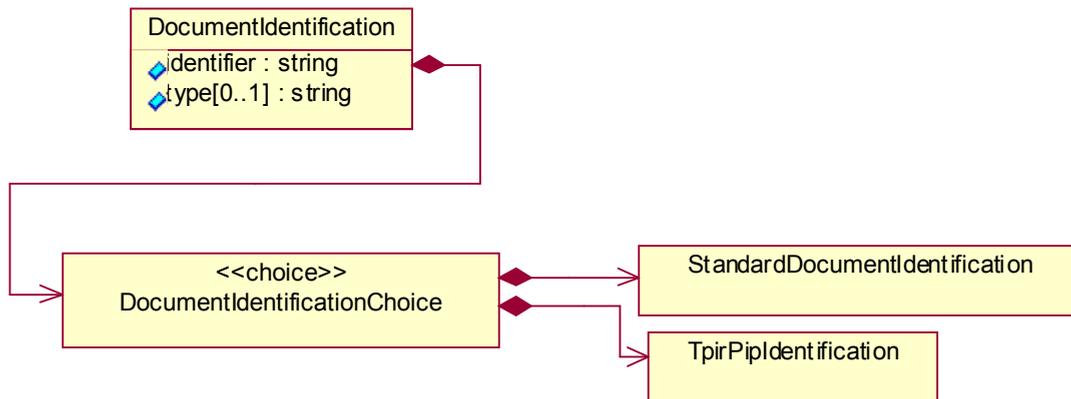
Figure 5-5 DocumentHeader

Attribute	Type	Documentation
headerVersion[0..1]	string	The UN/CEFACT version of the document header.

Composition	Cardinality	Type	Documentation
Sender	1	Sender	The object allows the identification of the initiating party of the business message.
CorrelationInformation	0..1	CorrelationInformation	A block of information used to correlate a requesting document to a responding document and to the contract in an executing choreography.
DocumentInformation	1	DocumentInformation	The object specifies information to identify the business document, a summary of attachments, and information about the business document security.
Receiver	1	Receiver	The object allows the identification of the receiving party of the business message.

## 5.6 DocumentIdentification

The object specifies all information necessary to identify the business document.



**Figure 5-6 DocumentIdentification**

Attribute	Type	Documentation
identifier	string	The unique identifier for the document being sent.
type[0..1]	string	Name of the Action Message

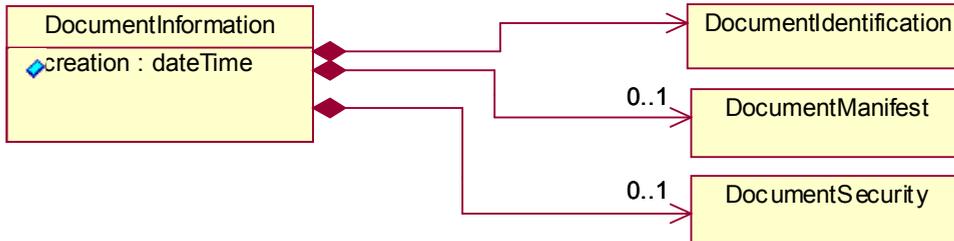
Composition	Cardinality	Type	Documentation
DocumentIdentificationChoice	1	DocumentIdentificationChoice	

## 5.7 DocumentIdentificationChoice

Composition	Cardinality	Type	Documentation
StandardDocumentIdentification	1	StandardDocumentIdentification	The object specifies additional information necessary to identify the standard business document.
TpirPipIdentification	1	TpirPipIdentification	The object specifies all information necessary to uniquely identify a TPIR-PIP within a Registry or trading partner repository.

## 5.8 DocumentInformation

The object specifies information to identify the business document, a summary of attachments, and information about the business document security.



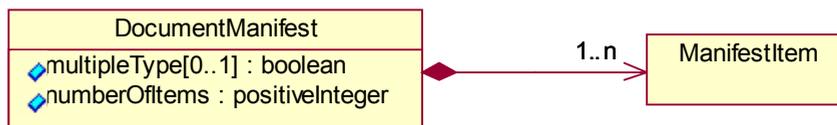
**Figure 5-7 DocumentInformation**

Attribute	Type	Documentation
creation	dateTime	The creation date and time of the specified Business Document (i.e. the Purchase Order date).

Composition	Cardinality	Type	Documentation
DocumentIdentification	1	DocumentIdentification	The object specifies all information necessary to identify the business document.
DocumentSecurity	0..1	DocumentSecurity	The object provides additional granularity in specifying business document security (this is in addition to the specified PIP security).
DocumentManifest	0..1	DocumentManifest	The block provides a brief summary of attachments and Service Content.

## 5.9 DocumentManifest

The block provides a brief summary of attachments and Service Content.



**Figure 5-8 DocumentManifest**

Attribute	Type	Documentation
multipleType[0..1]	boolean	Indicates whether the manifest contains documents of multiple types. True if yes, and False if no.
numberOfItems	positiveInteger	Total number of documents in the message. The physical count of the attachments in the payload plus the RosettaNet Business Message (for Service Content). The value of this field will be at least 1.

Composition	Cardinality	Type	Documentation
ManifestItem	1..n	ManifestItem	The object provides details about the specific attachment(s).

## 5.10 DocumentSecurity

The object provides additional granularity in specifying business document security (this is in addition to the specified PIP security).

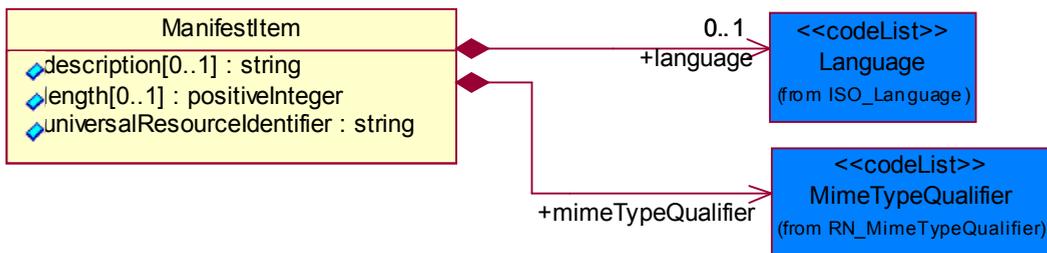
DocumentSecurity
<ul style="list-style-type: none"> <li>◆ nonRepudiableReceipt : boolean</li> <li>◆ persistentEncryption : boolean</li> <li>◆ persistentSignature : boolean</li> </ul>

**Figure 5-9 DocumentSecurity**

Attribute	Type	Documentation
nonRepudiableReceipt	boolean	The value "true" will indicate that a signed acknowledgement for the business document is necessary.
persistentEncryption	boolean	The value "true" will indicate that the Business Document (including the header) needs to be encrypted when stored or transported.
persistentSignature	boolean	The value "true" will indicate that a signature is required to be stored with the document while stored or transported.

## 5.11 ManifestItem

The object provides details about the specific attachment(s).



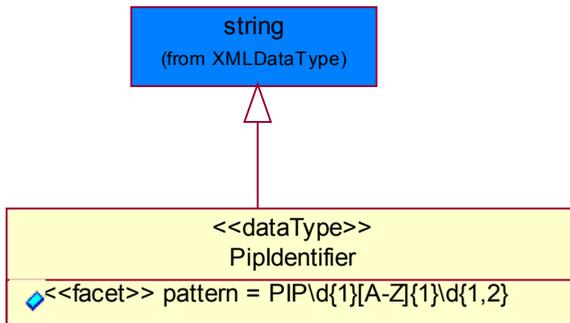
**Figure 5-10 ManifestItem**

Attribute	Type	Documentation
description[0..1]	string	A description of the attachment.
length[0..1]	positiveInteger	The size of the attachment in bytes (i.e. 1 000 000 bytes)
universalResourceIdentifier	string	The generic set of all names/addresses that are short strings that refer to resources.

Composition	Cardinality	Type	Documentation
mimeTypeQualifier	1	MimeTypeQualifier	The MIME type as defined by IANA. Please refer to <a href="http://www.iana.org/assignments/media-types/">http://www.iana.org/assignments/media-types/</a> for a list of types.
language	0..1	Language	For representation of Language name RosettaNet has adopted ISO 639-2; 1998. Refer to the following web page to get the latest version of the standard: <a href="http://www.loc.gov/standards/iso639-2/iso639jac.html">http://www.loc.gov/standards/iso639-2/iso639jac.html</a> . If you need more information about the ISO standard please contact ISO for more details.

## 5.12 PipIdentifier

PIP Identification.[ i.e. PIP3A4]

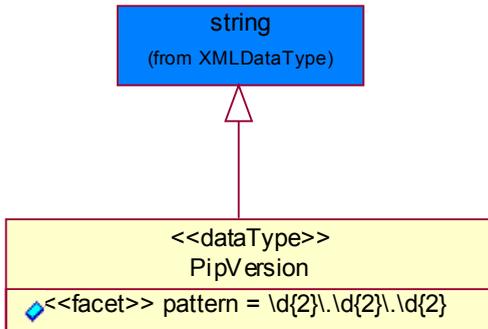


**Figure 5-11 PipIdentifier**

Attribute	Type	Documentation
pattern		PIP\d{1}[A-Z]{1}\d{1,2}

## 5.13 PipVersion

PIP version number (i.e. 02.02.00).

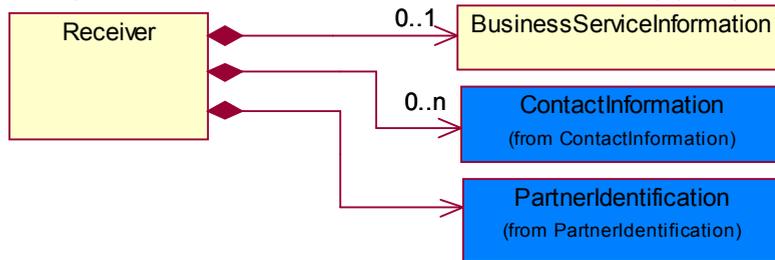


**Figure 5-12 PipVersion**

Attribute	Type	Documentation
pattern		\d{2}\.\d{2}\.\d{2}

## 5.14 Receiver

The object allows the identification of the receiving party of the business message.

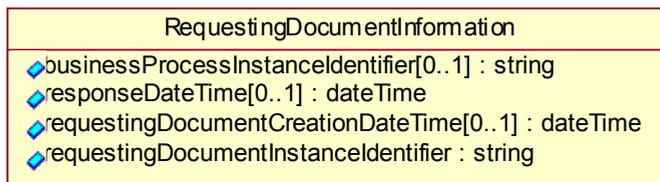


**Figure 5-13 Receiver**

Composition	Cardinality	Type	Documentation
BusinessServiceInformation	0..1	BusinessServiceInformation	The object allows the specification of the business service utilized within the partner company. This may or may not be the same as the information sent by the RNIF.
PartnerIdentification	1	PartnerIdentification	The business document must allow for the identity of one or more parties to the transaction.
ContactInformation	0..n	ContactInformation	The business document must allow for the identification of the name of the department, service or individual to be contacted regarding the context of the business document.

## 5.15 RequestingDocumentInformation

A block of information used to correlate a requesting document to a responding document in an executing choreography.

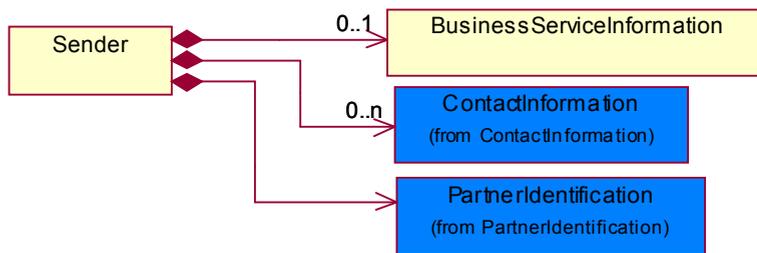


**Figure 5-14 RequestingDocumentInformation**

Attribute	Type	Documentation
businessProcessInstanceIdentifier[0..1]	string	The identifier for the public business process instance being sent that both the sender and receiver can identify.
responseDateTime[0..1]	dateTime	The expected time to receive the response. This can not be greater than the PIP TimeToPerform.
requestingDocumentCreationDateTime[0..1]	dateTime	The date-time of the requesting business document.
requestingDocumentInstanceIdentifier	string	The Business Document identification number that identifies the requesting Business Document.

## 5.16 Sender

The object allows the identification of the initiating party of the business message.

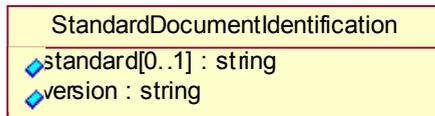


**Figure 5-15 Sender**

Composition	Cardinality	Type	Documentation
PartnerIdentification	1	PartnerIdentification	The business document must allow for the identity of one or more parties to the transaction.
BusinessServiceInformation	0..1	BusinessServiceInformation	The object allows the specification of the business service utilized within the partner company. This may or may not be the same as the information sent by the RNIF.
ContactInformation	0..n	ContactInformation	The business document must allow for the identification of the name of the department, service or individual to be contacted regarding the context of the business document.

## 5.17 StandardDocumentIdentification

The object specifies additional information necessary to identify the standard business document.

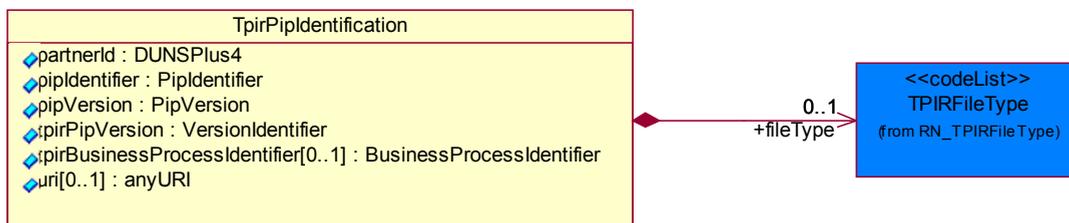


**Figure 5-16 StandardDocumentIdentification**

Attribute	Type	Documentation
standard[0..1]	string	Identifies the standard used to submit the business document. (e.g. RosettaNet).
version	string	PIP3A4v01.00

## 5.18 TpirPipIdentification

The object specifies all information necessary to uniquely identify a TPIR-PIP within a Registry or trading partner repository.



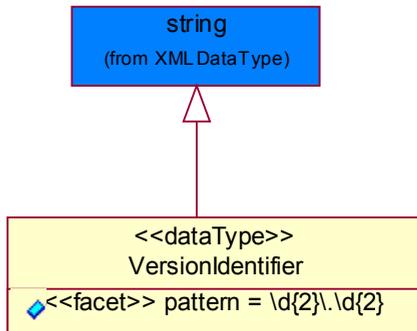
**Figure 5-17 TpirPipIdentification**

Attribute	Type	Documentation
partnerId	DUNSPlus4	The Trading Partner Identification of MNC that is creating this TPIR PIP.
pipIdentifier	PipIdentifier	A TPIR PIP Identification [i.e., 3A4 ).
pipVersion	PipVersion	A TPIR PIP version number (i.e., 02.02.00)
tpirPipVersion	VersionIdentifier	A TPIR-PIP Version Number (i.e., major and minor version number as XX.XX).
tpirBusinessProcessIdentifier[0..1]	BusinessProcessIdentifier	A Business Process Identifier to uniquely define the TPIR-PIP 'role' within a Business Scenario at a company or MNC level. The identifier MUST be composed of alphanumeric characters only and its length MUST be between one and twelve characters.
uri[0..1]	anyURI	Describes the destination uri for the TPIR form.

Composition	Cardinality	Type	Documentation
fileType	0..1	TPIRFileType	Describes the file type of the TPIR form (PDF, XDP or XML).

## 5.19 VersionIdentifier

Version Number (i.e., major and minor version number as XX.XX).



**Figure 5-18 VersionIdentifier**

Attribute	Type	Documentation
pattern		\d{2}\.\d{2}

## 5.20 CodeList

### 5.20.1 TPIRFileType

A code identifying the file type of TPIR form.

Name	Documentation
PDF	Portable Document Format.
XDP	XML Data Package.
XML	eXtensible Markup Language.

## 6. XML Data Type

### 6.1 anyURI

Represents a URI as defined by RFC 2396. An anyURI value can be absolute or relative, and may have an optional fragment identifier.

### 6.2 boolean

Represents Boolean values, which are either "true" or "false".

### 6.3 date

For the represents a calendar date.

The pattern for a date is CCYY-MM-DD where CC represents the century, YY the year, MM the month, and DD the day, with an optional time zone indicator as allowed for dateTime.

### 6.4 dateTime

Represents a specific instance of time.

The pattern for dateTime is CCYY-MM-DDThh:mm:ss where CC represents the century, YY the year, MM the month, and DD the day, preceded by an optional leading negative (-) character to indicate a negative number. If the negative character is omitted, positive (+) is assumed. The T is the date/time separator and hh, mm, and ss represent hour, minute, and second respectively. Additional digits can be used to increase the precision of fractional seconds if desired. For example, the format ss.ss... with any number of digits after the decimal point is supported. The fractional seconds part is optional. This representation may be immediately followed by a "Z" to indicate Coordinated Universal Time (UTC) or to indicate the time zone. For example, the difference between the local time and Coordinated Universal Time, immediately followed by a sign, + or -, followed by the difference from UTC represented as hh:mm (minutes is required). If the time zone is included, both hours and minutes must be present.**float**

Represents single-precision 32-bit floating-point numbers.

### 6.6 positiveInteger

Represents an integer that is greater than zero. This data type is derived from nonNegativeInteger.

### 6.7 string

Represents character string.