



UBL 1.0: Ready for Prime Time

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**Report to the OASIS eGov TC
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[http://
oasis-
open.org/
committees/
ubl](http://oasis-open.org/committees/ubl)



OASIS

Documents and e-commerce

- Business is built on the concept of standard, legally binding documents. Putting traditional business online means putting those documents online.
- A commercial document exchanged in a global environment has to be understood the same way everywhere because the agreement it expresses has to be enforceable everywhere.
- The key to global e-commerce interoperability is the standardization of basic business documents.



Near-term goals for B2B

- Web-enable existing fax- and paper-based business practices and achieve the basic EDI ROI by eliminating rekeying
- Preserve the existing investment in EDI and paper systems while allowing businesses to migrate into electronic commerce at their own pace
- Integrate small and medium-size businesses into existing EDI-based supply chains
- Maintain a document-based audit trail understandable at both the Sarbanes-Oxley level and the level of a local civil court
- Incrementally enable true global market availability

The standardization of XML business documents is the easiest way to accomplish these goals.



The Universal Business Language (UBL)

- International effort to define a royalty-free library of standard electronic business documents
- Designed in an open and accountable OASIS Technical Committee with participation from a variety of industry data standards organizations
- Plugs directly into existing business, legal, auditing, and records management practices
- Eliminates re-keying of data in existing fax- and paper-based supply chains
- Solves the $N(N-1)$ problem
- Fills the “payload” slot in XML-based B2B frameworks



Advantages of a single XML format

- Lower cost of integration, both among and within enterprises, through reuse of common code for processing standard data structures
- Lower cost of commercial software (much lower than generic XML software)
- Easier learning curve (just a single library)
- Lower skill level required for everyday processing tasks (one-line scripts using regular expressions can often replace real programs)
- Standardized training, many skilled workers, universally available pool of system integrators
- Lower cost of entry and therefore quicker adoption by small and medium-size enterprises (SMEs)
- Classic example: HTML

*“Technology neutral” semantic alignment is unarguably a good thing, but only standardization on a **single syntax** will yield these direct advantages.*



UBL 1.0: the “Fifth Generation” B2B language

G1 (1Q 1998): CBL 1.0 (Veo/NIST)

G2 (2Q 1999): CBL 2.0 (Commerce One)

G3 (4Q 2000): xCBL 3.0 (Commerce One and SAP)

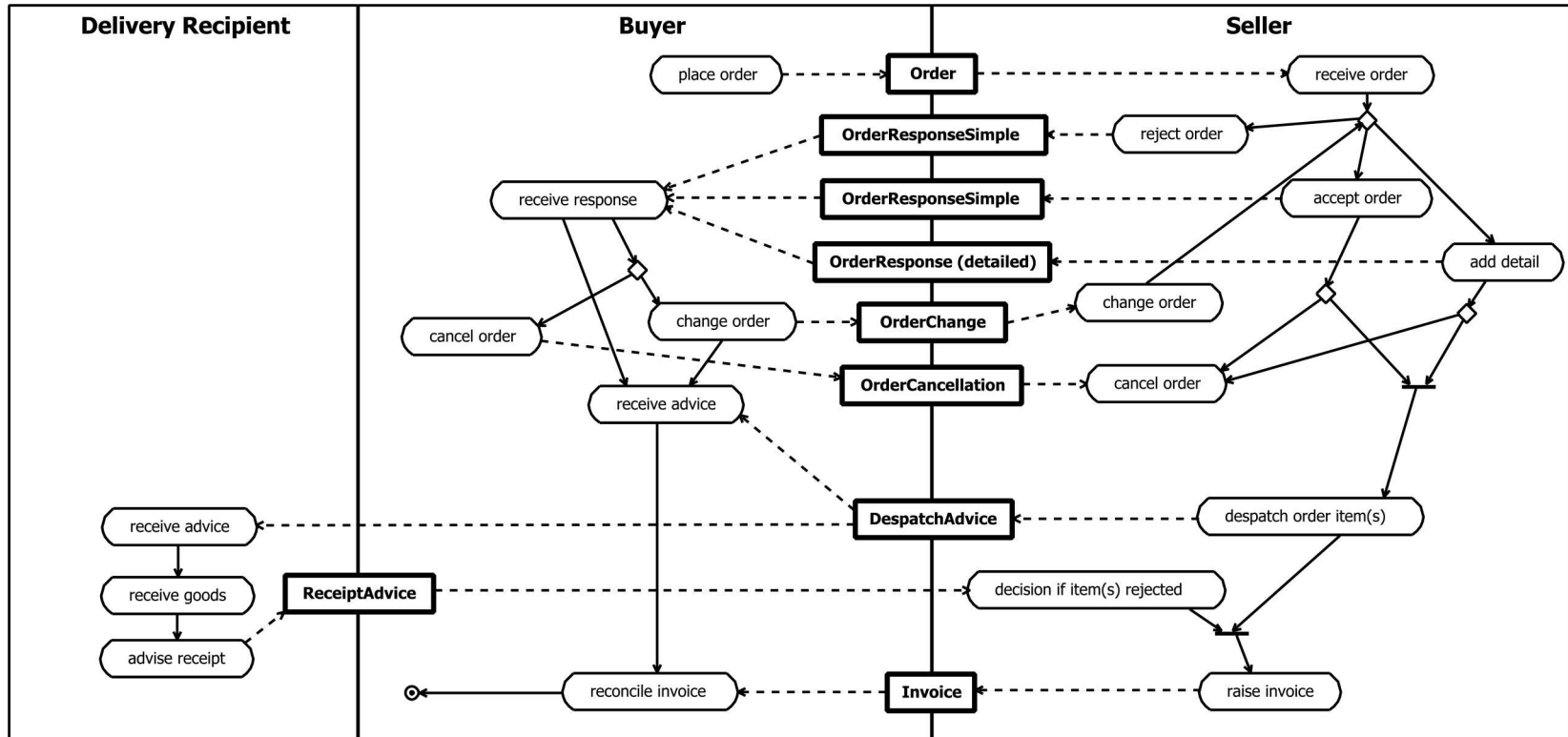
G4 (1Q 2003): UBL 0.7 (OASIS)

G5 (1Q 2004): UBL 1.0 (OASIS)

UBL represents over six years of continuous development in the creation of a standard XML business syntax.



UBL order-to-invoice



This model describes a very large class of use cases.



UBL and the UN Layout Key

- The UN Layout Key has for more than 40 years served as the standard for paper documents used in international trade
- A mapping of all the UBL documents to their equivalent UN Layout Keys is provided as part of the UBL 1.0 release
- Free stylesheets are available to convert UBL documents to their Layout Key equivalents in PDF form
- Thus UBL is a *machine-processable data format* from which at any moment you can automatically generate an *internationally standardized paper representation*



UBL and ebXML Core Components

- UBL is the first true standards body implementation of the ebXML Core Components Technical Specification (CCTS 2.01)
- The UBL library consists of ebXML CCTS Business Information Entities (BIEs)
- UBL XML schemas (W3C .xsd) are defined through the application of UBL Naming and Design Rules (NDRs) to an underlying data model mapped to the Core Component types
- The entire UBL library has been contributed to the UN/CEFACT TBG17 Semantic Harmonization effort
- UBL is working in conjunction with TBG17 to map UBL to the eventual standard Core Component library



Latest UBL developments

- Following disposition of comments received during the OASIS UBL 1.0 CD1 review cycle in January 2004, UBL 1.0 was released as a corrected OASIS Committee Draft 15 September 2004 and forwarded to OASIS Administration for processing as an OASIS Standard
- Assuming approval by the OASIS member organizations and no unforeseen delays, UBL 1.0 will be published as an OASIS Standard in November 2004, after which the UBL TC intends to request the submission of UBL to ISO
- A publicly subscribable OASIS ubl-dev list has been formed to provide a public forum for questions and comments
- The Danish government has officially adopted UBL 0.7 for its e-government procurement portal
- The first commercial UBL-based order/invoice system has gone into production in the UK (IMPAQ and Q Associates)
- An additional major trade document (Certificate of Origin) has been submitted for adoption in UBL 1.1
- Chinese, Japanese, Korean, and Spanish Localization Subcommittees have been formed to translate UBL definitions and promote regional adoption



English UBL definition (e.g., Order)

	A	B	O	P	Q
2	Order	Order, Details		ABIE	a document that contains information directly relating to the economic event of ordering products.
3	BuyersID	Order, Buyers_ Identifier, Identifier	0..1	BBIE	a unique identification assigned to the Order in respect to the Buyer party
4	SellersID	Order, Sellers_ Identifier, Identifier	0..1	BBIE	the identification given to an Order by the seller.
5	CopyIndicator	Order, Copy, Indicator	0..1	BBIE	indicates whether a document is a copy (true) or not (false)
6	GUID	Order, Globally Unique_ Identifier, Identifier	0..1	BBIE	a computer generated unique identifier for the document, which is guaranteed to be unique
7	IssueDate	Order, Issue Date, Date	1	BBIE	a date (and potentially time) stamp denoting when the Order was issued.
8	Note	Order, Note, Text	0..1	BBIE	contains any free form text pertinent to the entire document or to the document message itself. This element may contain notes or any other similar information that is not contained explicitly in another structure.
9	AcknowledgementResponseCode	Order, Acknowledgement Response, Code	0..1	BBIE	specifies the type of Response for the Order that the Buyer requires from the Seller.
10	TransactionCurrencyCode	Order, Transaction Currency, Code	0..1	BBIE	the default currency of the transaction, to be used for Invoicing.
11	PricingCurrencyCode	Order, Pricing Currency, Code	0..1	BBIE	the currency in which all pricing on the transaction will be specified.
12	EarliestDate	Order, Earliest Date, Date	0..1	BBIE	the starting date on or after which Order should be considered valid
13	ExpiryDate	Order, Expiry Date, Date	0..1	BBIE	the date on or after which Order should be cancelled if not satisfied.
14	ValidityDurationMeasure	Order, Validity Duration, Measure	0..1	BBIE	the period for which the Order is valid.
15	TaxTotalAmount	Order, Tax Total, Amount	0..1	BBIE	the total tax amount to be paid for the Order.
16	LineExtensionTotalAmount	Order, Line_ Extension Total, Amount	0..1	BBIE	the total of line item extension amounts for the entire Order, but not adjusted by any payment settlement discount or taxation.
17	TotalPackagesQuantity	Order, Total_ Packages Quantity, Quantity	0..1	BBIE	the count of the total number of packages contained in the Order.
18	GrossWeightMeasure	Order, Gross_ Weight, Measure	0..1	BBIE	the total gross weight of the order. (goods plus packaging plus transport equipment)
19	NetWeightMeasure	Order, Net_ Weight, Measure	0..1	BBIE	the total net weight of the order. (goods plus packaging)
20	NetNetWeightMeasure	Order, Net Net_ Weight, Measure	0..1	BBIE	the weight (mass) of the goods themselves without any packing.
21	GrossVolumeMeasure	Order, Gross_ Volume, Measure	0..1	BBIE	the total volume of the goods plus packaging on the Order.
22	NetVolumeMeasure	Order, Net_ Volume, Measure	0..1	BBIE	the total volume of the Order. (goods less packaging)
23	LineItemCountNumeric	Order, LineItem Count, Numeric	0..1	BBIE	the number of line items
24	ContractDocumentReference	Order, Contract_ Document Reference	0..1	ASBIE	associates the Order with a previously agreed Contract.
25	QuoteDocumentReference	Order, Quote_ Document Reference	0..1	ASBIE	associates the Order with a prior quote.
26	AdditionalDocumentReference	Order, Additional_ Document Reference	0..n	ASBIE	associates the Order with one or more other identification means
27	BuyerParty	Order, Buyer Party	1	ASBIE	associates the Order with information about the buyer involved in the transaction.
28	SellerParty	Order, Seller Party	1	ASBIE	associates the Order with information about the seller involved in the transaction.
29	OriginatorParty	Order, Originator_ Party	0..1	ASBIE	associates the Order with information about the originator of the transaction.
30	FreightForwarderParty	Order, Freight Forwarder_ Party	0..1	ASBIE	associates the Order with information about the freight forwarder involved in the transaction.
31	Delivery	Order, Delivery	0..n	ASBIE	associates the Order with a delivery (or deliveries)
32	DeliveryTerms	Order, Delivery Terms	0..1	ASBIE	associates the Order with the delivery terms agreed between seller and buyer with regard to the delivery of goods.
33	AllowanceCharge	Order, Allowance Charge	0..n	ASBIE	associates the Order with one or more pricing components for overall charges allowances etc.
34	SalesConditions	Order, Sales Conditions	0..1	ASBIE	associates the Order with a sales condition applying to the whole order.
35	DestinationCountry	Order, Destination_ Country	0..1	ASBIE	associates the Order with the country of destination (for Customs purposes).
36	OrderLine	Order, Order Line	1..n	ASBIE	associates the Order with one or more Line items.

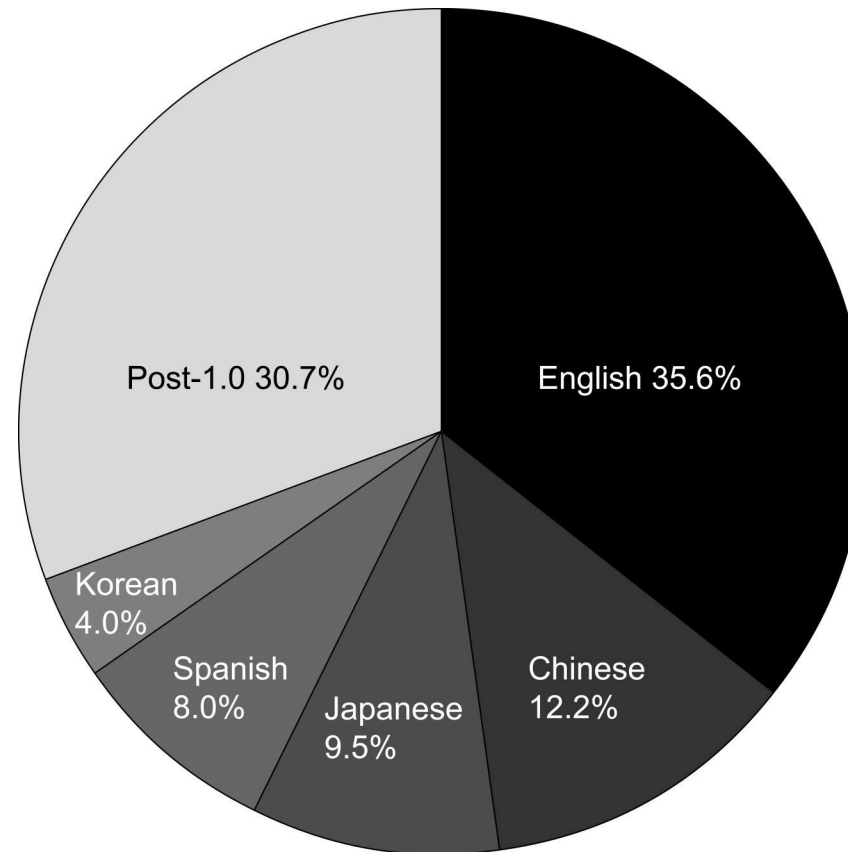
Localization example: Japan

UBL Order V1.0 Japanese								
1								
2								
No.	UBL Name	Dictionary Entry Name	Representation Term	Cardinality	Component Type	Business Terms (Japanese)	Translated Definition (Japanese)	Definition
3	1 Order	Order. Details			ABIE	注文	製品を注文する経済的事象に直接関係のある情報を含む文書。	a document that contains information directly relating to the economic event of ordering products.
4	2 BuyersID	Order. Buyers_ Identifier. Identifier	Identifier	0..1	BBIE	発注番号	発注者側において注文に割り当てられたユニークな識別。	a unique identification assigned to the Order in respect to the Buyer party
5	3 SellersID	Order. Sellers_ Identifier. Identifier	Identifier	0..1	BBIE	受注番号	受注者によって注文に与えられた識別。	the identification given to an Order by the seller.
6	4 CopyIndicator	Order. Copy. Indicator	Indicator	0..1	BBIE	正/副区分	ドキュメントが写し(正)かどうか(副)示します。	Indicates whether a document is a copy (true) or not (false)
7	5 GUID	Order. Globally Unique_ Identifier. Identifier	Identifier	0..1	BBIE	メッセージID	ドキュメントがユニークなことを保証されるのために、コンピュータが生成した固有識別子。	a computer generated unique identifier for the document, which is guaranteed to be unique
8	6 IssueDate	Order. Issue Date. Date	Date	1	BBIE	発注日	注文を発行した時点を示す。日付または時刻。	a date (and potentially time) stamp denoting when the Order was issued.
9	7 Note	Order. Note. Text	Text	0..1	BBIE	備考	文書全体、もしくは文書の文言自体に関する自由形式のテキストを包含。この項目には、備考、あるいは、別の構造がなければ類似の情報を入れても構わない。	contains any free form text pertinent to the entire document or to the document message itself. This element may contain notes or any other similar information that is not contained explicitly in another structure.
10	8 AcknowledgementResponseCode	Order. Acknowledgement Response. Code	Code	0..1	BBIE	注文回答要求区分	発注者が受注者に要求する注文に対する回答のタイプを指定。	specifies the type of Response for the Order that the Buyer requires from the Seller.
11	9 TransactionCurrencyCode	Order. Transaction Currency. Code	Code	0..1	BBIE	通貨コード(決済/請求用)	請求するために使用される、取引の既定の通貨。	the default currency of the transaction, to be used for Invoicing.
12	10 PricingCurrencyCode	Order. Pricing Currency. Code	Code	0..1	BBIE	通貨コード(価格表示用)	取引上のすべての価格提示で指定される通貨。	the currency in which all pricing on the transaction will be specified.
13	11 EarliestDate	Order. Earliest Date. Date	Date	0..1	BBIE	注文有効期間開始日	注文が有効であると考えべき期間の開始日。	the starting date on or after which Order should be considered valid
14	12 ExpiryDate	Order. Expiry Date. Date	Date	0..1	BBIE	注文取消可能期限日	注文に満足しないならば、注文を取り消しできる期限の日付。	the date on or after which Order should be cancelled if not satisfied.
15	13 ValidityDurationMeasure	Order. Validity Duration. Measure	Measure	0..1	BBIE	有効期間(日数)	注文が有効な期間。	the period for which the Order is valid.
16	14 TaxTotalAmount	Order. Tax Total. Amount	Amount	0..1	BBIE	合計税額	注文に支払われる税額の合計。	the total tax amount to be paid for the Order.
17	15 LineExtensionTotalAmount	Order. Line_ Extension Total. Amount	Amount	0..1	BBIE	課税対象額	出積値引とか税額を調整されていない、行拡張した全体の合計額。	the total of line item extension amounts for the entire Order, but not adjusted by any payment settlement discount or taxation.
18	16 TotalPackagesQuantity	Order. Total_ Packages Quantity. Quantity	Quantity	0..1	BBIE	総梱包総数	注文した梱包総数。	the count of the total number of packages contained in the Order.
19	17 GrossWeightMeasure	Order. Gross_ Weight. Measure	Measure	0..1	BBIE	総重量	注文した総重量(物品+梱包+輸送設備)。	the total gross weight of the order. (goods plus packaging plus transport equipment)
20	18 NetWeightMeasure	Order. Net_ Weight. Measure	Measure	0..1	BBIE	正味梱包総重量	注文した正味の総重量。(物品+梱包)。	the total net weight of the order. (goods plus packaging)
21	19 NetNetWeightMeasure	Order. Net Net_ Weight. Measure	Measure	0..1	BBIE	正味物品総重量	梱包なしの物品自身の重量(質量)。	the weight (mass) of the goods themselves without any packing.
22	20 GrossVolumeMeasure	Order. Gross_ Volume. Measure	Measure	0..1	BBIE	正味梱包総容積	注文した物品に梱包を加えた総容積。	the total volume of the goods plus packaging on the Order.
23								

Draft translations of the entire UBL data dictionary (element and attribute definitions) are now available in Chinese (Simplified), Japanese, Korean, and Spanish.



UBL 1.0 translation targets



The translation efforts currently underway will make UBL 1.0 usable to over two-thirds of the world's online population.



UBL + ebXML: add water and stir

If you add UBL 1.0 to ebXML you get a complete, free, open-standards framework for generic XML EDI.

Obligatory Web Services Disclaimer: UBL is completely independent of the transport layer will actually work with any XML-based service-oriented architecture (SOA).

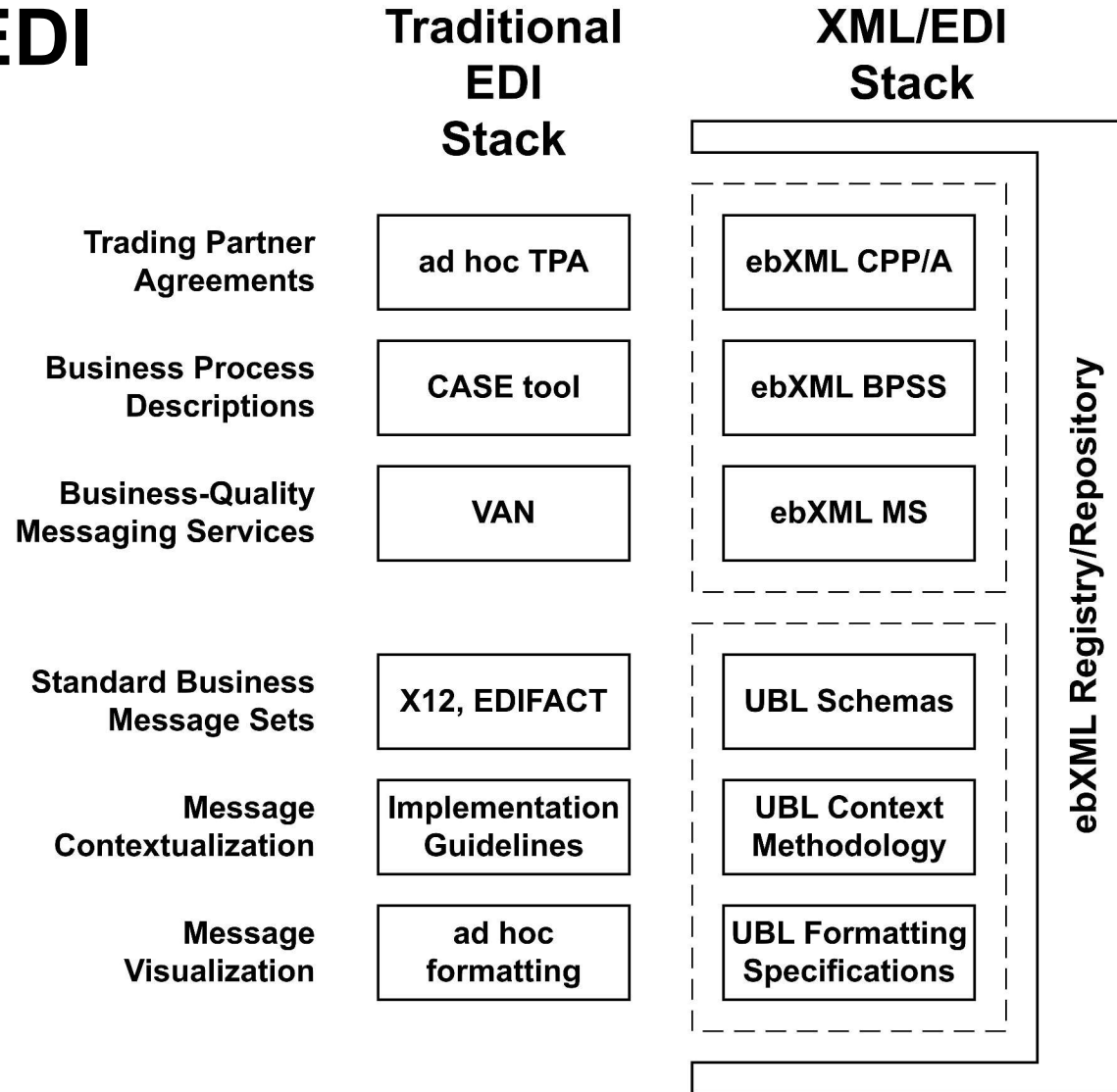
In fact, it is difficult to imagine any of the other XML-based B2B infrastructures currently under consideration working at all without something like UBL.

For example, Hitachi representatives to the UBL Software Subcommittee have reported success in implementing UBL using J2EE and WS Reliable Messaging.

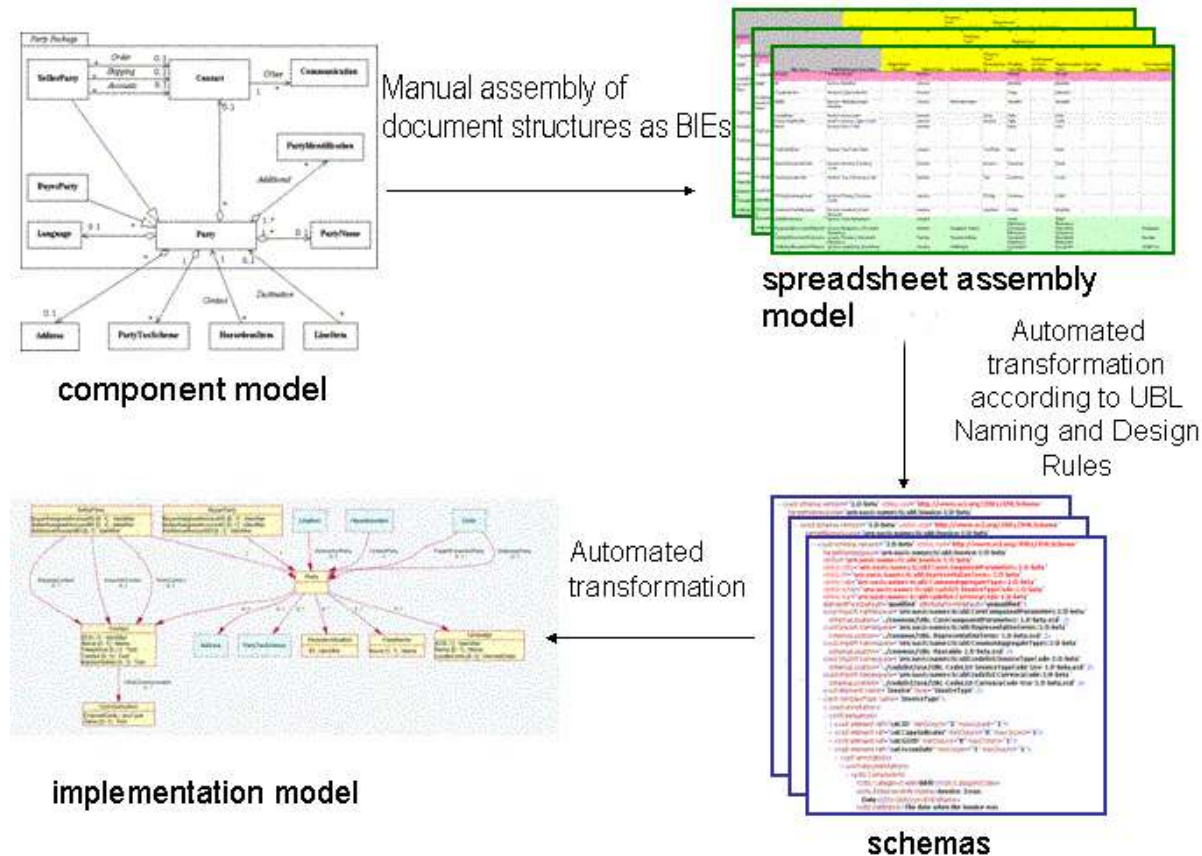
But ebXML is the thing I find exciting because it's here at the established international standards level right now and is being deployed right now.



XML EDI



UBL 1.0: overview

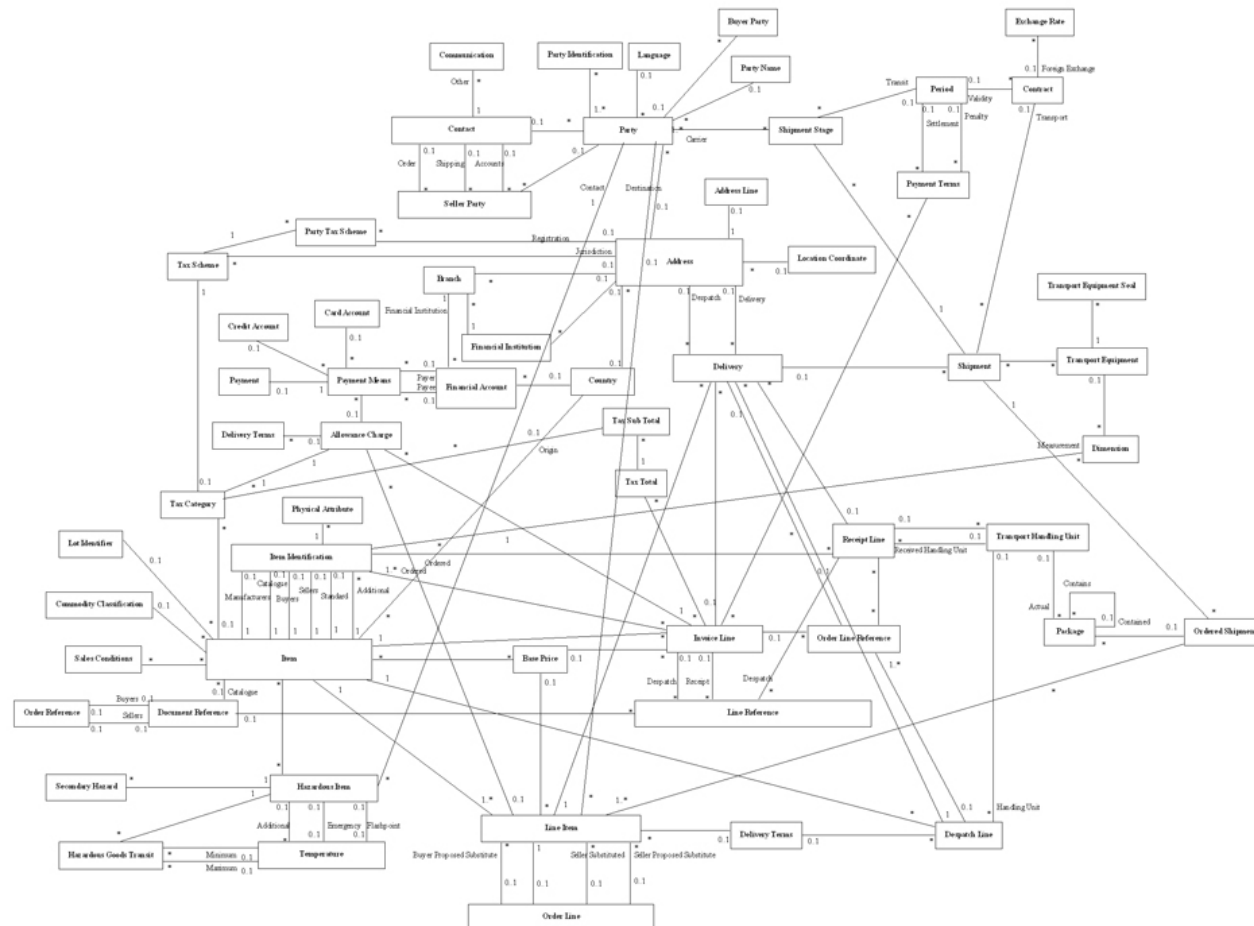


See the Committee Draft at

<http://www.oasis-open.org/committees/download.php/9354/cd-UBL-1.0.zip>



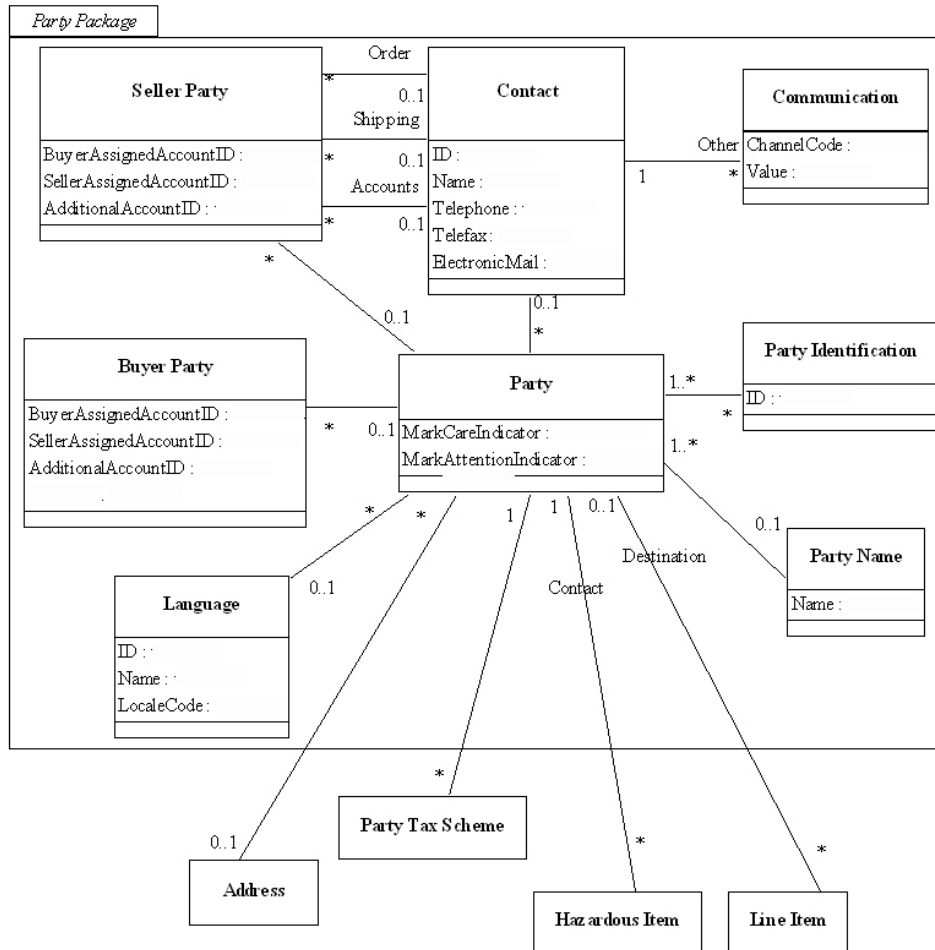
UBL 1.0: Document components



To aid comprehension, this data model is broken down into packages...



Package example: Party

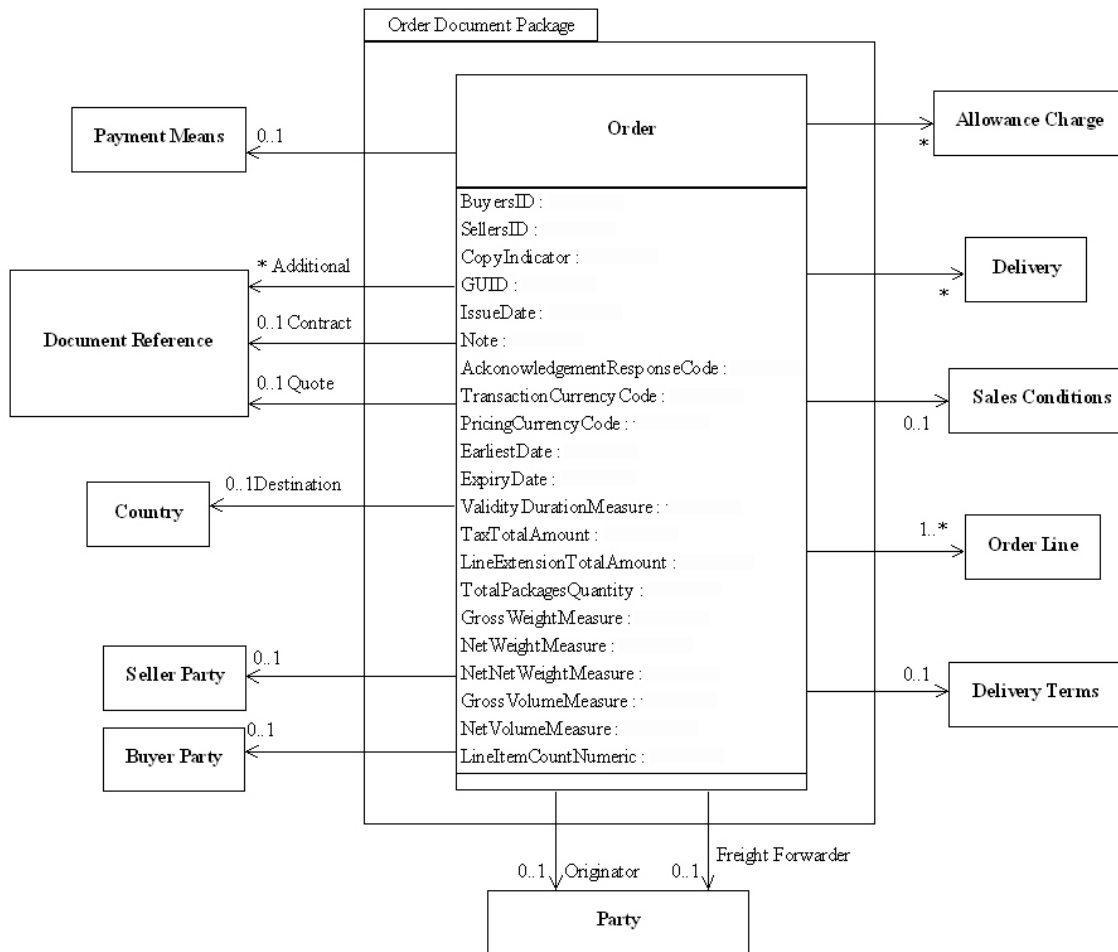


UBL 1.0 includes diagrams for

- Address Package**
- Contract Package**
- Delivery Package**
- Document Reference Package**
- Hazardous Item Package**
- Item Package**
- Party Package**
- Payment Package**
- Procurement Package**
- Tax Package**



Document assembly example: Order



UBL 1.0 includes assembly diagrams for the eight basic order-to-invoice documents:

Order

Order Response

Order Response Simple

Order Change

Order Cancellation

Despatch Advice

Receipt Advice

Invoice



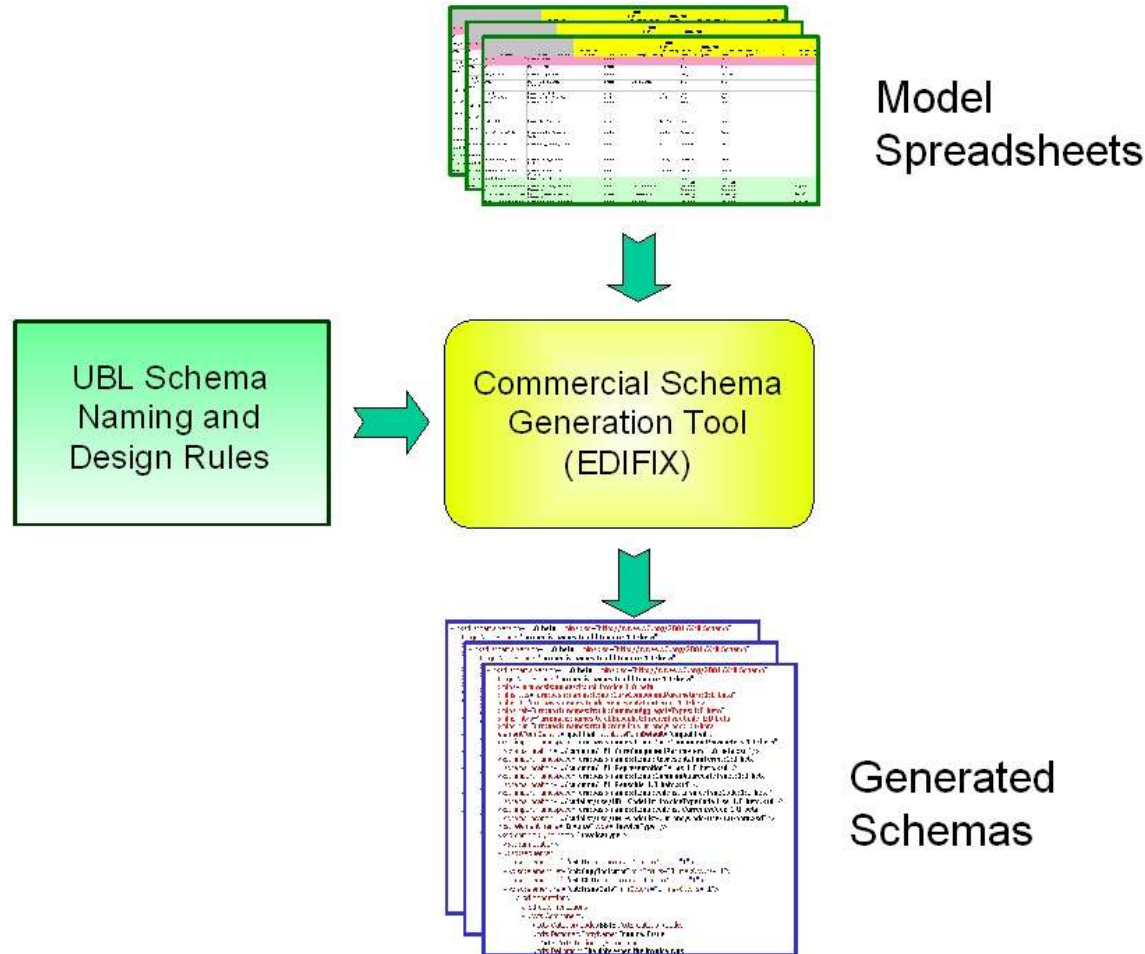
Example document spreadsheet: Order

UBL Name	Dictionary Entry Name	Object Class Qualifier	Object Class	Property Term Qualifier	Property Term Possessive Noun	Property Term Primary Noun	Property Term	Representation on Term	Data Type	Associated Object Class Qualifier	Associated Object Class	Alternative Business Terms	Card	Comp	Definition
Order	Order Details	Order									Purchase Order		1	ASBIE	a document that contains information directly relating to the economic event of ordering
BuyerID	Order: Buyers Identifier Identifier	Order	Buyers	Identifier	Identifier	Identifier	Identifier	Identifier	Identifier Type				1	ASBIE	the identification assigned to the Order in respect to the Buyer party
SellerID	Order: Sellers Identifier Identifier	Order	Sellers	Identifier	Identifier	Identifier	Identifier	Identifier	Identifier Type				1	ASBIE	the identification given to an Order by the seller
CopyIndicator	Order: Copy Indicator	Order	Copy	Indicator	Indicator	Indicator	Indicator	Indicator	Indicator Type				1	ASBIE	Indicates whether a document is a copy (true) or not (false)
GUID	Order: Globally Unique Identifier Identifier	Order	Globally Unique	Identifier	Identifier	Identifier	Identifier	Identifier	Identifier Type				1	ASBIE	a computer generated unique identifier for the document, which is guaranteed to be unique
IssueDate	Order: Issue Date Date	Order		Issue	Date	Date	Date	Date	Date Type				1	ASBIE	a date (and potentially time stamp) denoting when the Order was issued
Note	Order: Note Text	Order		Note	Note	Note	Note	Note	Text Type				1	ASBIE	contains any free form text pertinent to the entire document or to the document message itself. This element may contain notes or any other similar information that is not contained explicitly in another structure.
AcknowledgementResponseCode	Order: Acknowledgement Response Code	Order	Acknowledgement	Response	Acknowledgement	Response	Acknowledgement	Acknowledgement	Code Type				1	ASBIE	specifies the type of Response for the Order that the Buyer requires from the Seller
TransactionCurrencyCode	Order: Transaction Currency Code	Order	Transaction	Currency	Transaction	Currency	Transaction	Currency	Code Type				1	ASBIE	the default currency of the transaction, to be used for invoicing
PricingCurrencyCode	Order: Pricing Currency Code	Order	Pricing	Currency	Pricing	Currency	Pricing	Currency	Code Type				1	ASBIE	the currency in which all pricing on the transaction will be specified
EarliestDate	Order: Earliest Date Date	Order	Earliest	Date	Earliest	Date	Earliest	Date	Date Type				1	ASBIE	the starting date on or after which Order should be considered valid
ExpiryDate	Order: Expiry Date Date	Order	Expiry	Date	Expiry	Date	Expiry	Date	Date Type				1	ASBIE	the date on or after which Order should be cancelled if not satisfied
ValidityDurationMeasure	Order: Validity Duration Measure	Order	Validity	Duration	Validity	Duration	Validity	Duration	Measure Type				1	ASBIE	the period for which the Order is valid
TaxTotalAmount	Order: Tax Total Amount	Order	Tax	Total	Tax	Total	Tax	Total	Amount Type				1	ASBIE	the total tax amount to be paid for the Order
LineExtensionTotalAmount	Order: Line Extension Total Amount	Order	Line	Extension	Total	Extension	Total	Extension	Amount Type				1	ASBIE	the total of line item extension amounts for the entire Order, but not adjusted by any payment settlement discount or liberation
TotalPackagesQuantity	Order: Total Packages Quantity Quantity	Order	Total	Packages	Quantity	Packages	Quantity	Quantity	Quantity Type				1	ASBIE	the count of the total number of packages contained in the Order
GrossWeightMeasure	Order: Gross Weight Measure	Order	Gross	Weight	Measure	Gross	Weight	Measure	Measure Type				1	ASBIE	the total gross weight of the order (goods plus packaging plus transport equipment)
NetWeightMeasure	Order: Net Weight Measure	Order	Net	Weight	Measure	Net	Weight	Measure	Measure Type				1	ASBIE	the total net weight of the order (goods plus packaging)
NetNetWeightMeasure	Order: Net Net Weight Measure	Order	Net Net	Weight	Measure	Net Net	Weight	Measure	Measure Type				1	ASBIE	the weight (mass) of the goods themselves without any packing
GrossVolumeMeasure	Order: Gross Volume Measure	Order	Gross	Volume	Measure	Gross	Volume	Measure	Measure Type				1	ASBIE	the total volume of the goods plus packaging on the Order
NetVolumeMeasure	Order: Net Volume Measure	Order	Net	Volume	Measure	Net	Volume	Measure	Measure Type				1	ASBIE	the total volume of the Order (goods less packaging)
LineItemCountNumeric	Order: LineItem Count Numeric	Order	LineItem	Count	Numeric	LineItem	Count	Numeric	Numeric Type				1	ASBIE	the number of line items
ContractDocumentReference	Order: Contract Document Reference	Order	Contract	Document	Reference	Contract	Document	Reference	Document Reference		Document Reference		1	ASBIE	associates the Order with a previously agreed Contract
QuoteDocumentReference	Order: Quote Document Reference	Order	Quote	Document	Reference	Quote	Document	Reference	Document Reference		Document Reference		1	ASBIE	associates the Order with a prior quote
AdditionalDocumentReference	Order: Additional Document Reference	Order	Additional	Document	Reference	Additional	Document	Reference	Document Reference		Document Reference		1	ASBIE	associates the Order with one or more other identification means
BuyerParty	Order: Buyer Party	Order	Buyer	Party	Party	Buyer	Party	Party	Party		Buyer Party		1	ASBIE	associates the Order with information about the buyer involved in the transaction
SellerParty	Order: Seller Party	Order	Seller	Party	Party	Seller	Party	Party	Party		Seller Party		1	ASBIE	associates the Order with information about the seller involved in the transaction
OriginatorParty	Order: Originator Party	Order	Originator	Party	Party	Originator	Party	Party	Party		Party		1	ASBIE	associates the Order with information about the originator of the transaction
FreightForwarderParty	Order: Freight Forwarder Party	Order	Freight Forwarder	Party	Party	Freight Forwarder	Party	Party	Party		Carrier		1	ASBIE	associates the Order with information about the freight forwarder involved in the transaction
Delivery	Order: Delivery	Order	Delivery	Delivery	Delivery	Delivery	Delivery	Delivery	Delivery		Delivery		1	ASBIE	associates the Order with a delivery (or deliveries)
DeliveryTerms	Order: Delivery Terms	Order	Delivery	Terms	Delivery	Terms	Delivery	Terms	Delivery Terms		Delivery Terms		1	ASBIE	associates the Order with the delivery terms agreed between seller and buyer with regard to the delivery of goods
AllowanceCharge	Order: Allowance Charge	Order	Allowance	Charge	Allowance	Charge	Allowance	Charge	Allowance Charge		Allowance Charge		1	ASBIE	associates the Order with one or more pricing components for overall charges allowances etc.
SalesConditions	Order: Sales Conditions	Order	Sales	Conditions	Sales	Conditions	Sales	Conditions	Sales Conditions		Sales Conditions		1	ASBIE	associates the Order with a sales condition applying to the whole order
DestinationCountry	Order: Destination Country	Order	Destination	Country	Country	Destination	Country	Country	Country		Country		1	ASBIE	associates the Order with the country of destination (for Customs purposes)
OrderLine	Order: Order Line	Order	Order	Line	Order	Line	Order	Line	Order Line		Order Line		1	ASBIE	associates the Order with one or more Line Items
PaymentMeans	Order: Payment Means	Order	Payment	Means	Payment	Means	Payment	Means	Payment Means		Payment Means		1	ASBIE	associates the Order with the expected means of payment

The UBL 1.0 package includes spreadsheets for the UBL component library and for each of the eight document types defined by UBL 1.0: Order, Order Response, Order Response Simple, Order Change, Order Cancellation, Despatch Advice, Receipt Advice, and Invoice.



UBL 1.0 schema generation



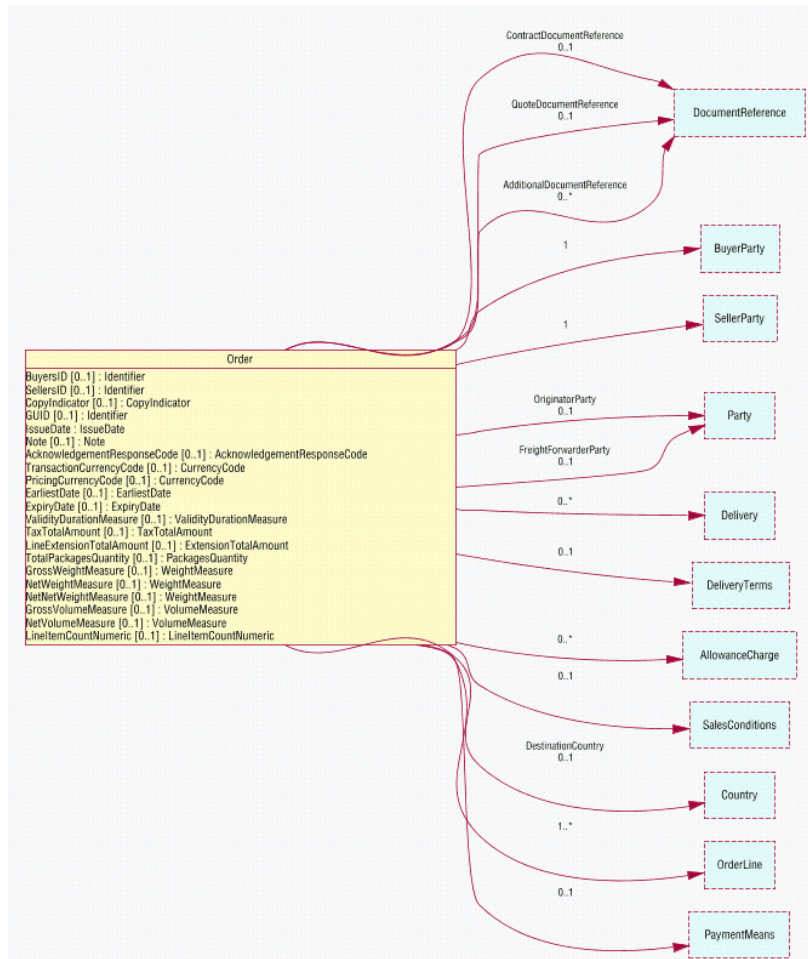
Example NDRs: Complex type naming

ComplexType Naming Rules	
[CTN1]	A UBL xsd:complexType name based on an ccts:AggregateBusinessInformationEntity MUST be the ccts:DictionaryEntryName with the separators removed and with the "Details" suffix replaced with "Type".
[CTN2]	A UBL xsd:complexType name based on a ccts:BasicBusinessInformationEntityProperty MUST be the ccts:DictionaryEntryName shared property term and its qualifiers and the representation term of the shared ccts:BasicBusinessInformationEntity, with the separators removed and with the "Type" suffix appended after the representation term.
[CTN3]	A UBL xsd:complexType for a cct:UnspecialisedDatatype used in the UBL model MUST have the name of the corresponding ccts:CoreComponentType, with the separators removed and with the "Type" suffix appended.
[CTN4]	A UBL xsd:complexType for a cct:UnspecialisedDatatype based on a ccts:SecondaryRepresentationTerm used in the UBL model MUST have the name of the corresponding ccts:SecondaryRepresentationTerm, with the separators removed and with the "Type" suffix appended.
[CTN5]	A UBL xsd:complexType name based on a ccts:CoreComponentType MUST be the Dictionary entry name of the ccts:CoreComponentType, with the separators removed.

The UBL 1.0 package includes a checklist consisting of almost 150 such rules. The UBL 1.0 Naming and Design Rules have been published as a separate Committee Draft now undergoing public review in preparation for OASIS Standardization.



Implementation diagram example: Order



UBL 1.0 includes implementation diagrams for the eight basic order-to-invoice documents:

Order

Order Response

Order Response Simple

Order Change

Order Cancellation

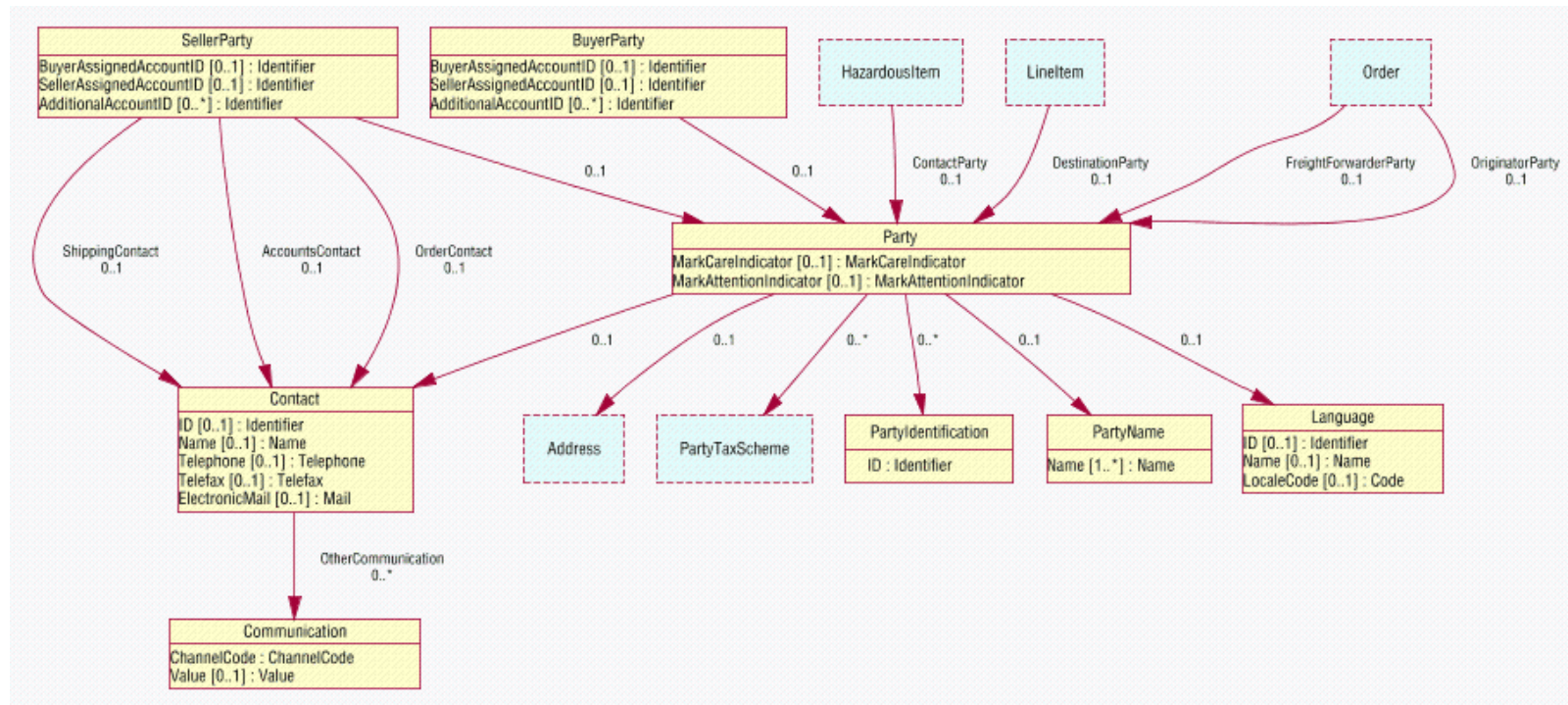
Despatch Advice

Receipt Advice

Invoice



Component implementation diagram example: Party



The UBL 1.0 package includes implementation diagrams for Address Package, Contract Package, Delivery Package, Document Reference Package, Hazardous Item Package, Item Package, Party Package, Payment Package, Procurement Package, and Tax Package.



Other supporting materials

The UBL 1.0 package also includes

- Formatting specifications for UBL documents
- Example Order, Order Response (Simple), Order Change, Order Cancellation, DespatchAdvice, Receipt Advice, and Invoice instance documents demonstrating the use of UBL for buying office supplies
- Example Order, Order Response, Despatch Advice, and Invoice instance documents demonstrating the use of UBL for buying building supplies
- Example printouts of all the instance documents
- Guidelines for customizing the UBL schemas
- A specification for the publication of code list schemas
- A UBL 1.0 ASN.1 specification



Next step: UBL 1.1

Work now continues on an update due out by the end of 2005.

UBL 1.1 will include:

- Resolution of a number of issues raised during the development of UBL 1.0 that were judged safely deferrable to 1.1
- Refinements and clarifications of the UBL data definitions arising from the translation work
- Additions to the UBL library identified by the UBL localization subcommittees as required to accommodate regional business practices
- Consideration of proposed additions to the UBL document set submitted by qualified organizations (Example: Certificate of Origin)



For more information

UBL: <http://oasis-open.org>

UBL 1.0: <http://docs.oasis-open.org/ubl/cd-UBL-1.0.zip>

ubl-dev: <http://www.oasis-open.org/mlmanage/>

ebXML: <http://ebxml.org>

freebXML: <http://www.freebxml.org>

OpenOffice: <http://openoffice.org>

xmlroff: <http://xmlroff.sourceforge.net/>

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