



National IT and Telecom Agency

Ministry of Science
Technology and Innovation

OIOUBL Scenario description

OIOUBL Complex Organizations Procurement Cycle

Scenario Package: COMORG

Version 1.1

UBL 2.0



Document History

Revision History

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1. Introduction

This document describes business scenarios related to the OIOUBL Complex Organizations Procurement Cycle package based on UBL 2.0 business documents. The document is one from among six documents describing other procurement cycles. Please refer to ref. no. 2 for an overview of these documents and a general introduction to OIOUBL Procurement Scenarios.

For an overview of the OIOUBL package, refer to ref. no. 1, and for the UBL 2.0 specification refer to ref. no. 5.

1.1 Purpose and target audience

The purpose of this document is to facilitate the use of UBL 2.0 in procurement in Denmark by providing **descriptions** of typical OIOUBL business scenarios. For a **normative specification** of OIOUBL refer to the OIOUBL Guidelines (Ref. 4) and the OASIS Universal Business Language 2.0 specification (Ref. 5).

The main focus is on public procurement but the specifications could be used also in the private sector.

We have focused on how to use UBL to optimize the procurement process with a small set of electronic documents. The audience is particular technical and domain specialists responsible for implementing e-procurement, developers and project leaders responsible for implementing ERP-systems, Workflow-systems and other related systems on the Danish market.

It is our humble hope that the scenario descriptions in this document can be an inspiration for UBL users in all countries and in this way facilitate the adoption of UBL worldwide.

1.2 Key to using this document

The scenario package description is divided into the following logical sections:

- General introduction
- A definition of the OIOUBL Complex Organizations Procurement Cycle
- A number of related scenario descriptions (Use Cases) including example XML instance files
- Description of selected internal processes and eBusiness benefits

Chapter 2.3 contains a list of the business scenarios covered in this document.

When talking business scenarios it is important to distinguish between external and internal processes. The external processes describe how the eBusiness documents flow between the different external parties, while the internal processes describe how a given organization or company handles these external documents. Normally the external documents trigger (or should trigger) one or more internal procedures and the content of the external documents become vital to these procedures.

Business processes (or activities) are classified the following way throughout the document:

- Primary activities (external processes inside the defined scope)
- Secondary activities (external processes outside the defined scope and internal processes)

Primary activities are generic in their nature and will be described as such. These activities are the main focus of this document. However selected internal processes will be discussed based on our observations.

The example sections are provided as a help to speed up the implementation process and in order to minimize implementation errors and misinterpretation of document instances.

1.3 Prerequisites

It is assumed that the reader is familiar with the following:

- The UBL 2.0 party concept (Ref. no. 5)
- The OIOUBL profile specification (Ref. no. 3)
- The OIOUBL scenario classification (Ref. no. 2)

1.4 References

Ref no	Document id	Version	Title
1	I01	V1.1	OIOUBL package overview
2	S01	V1.1	Introduction to OIOUBL Procurement Scenarios
3	G26	V1.1	OIOUBL Profile specification
4	I01	V1.1	Introduction to OIOUBL Guidelines
5		V1.0	OASIS Universal Business Language 2.0 specification

2. OIOUBL Complex Organizations Procurement Cycle

2.1 Scope

In the OIOUBL Complex Organizations Procurement Cycle we are dealing with complex customer and/or supplier organizations. The complexity could be due to a number of factors such as:

- A large number of employees
- A large number of different internal departments
- A large number of different internal IT systems
- The organization is geographically divided
- High complexity of the organization's internal procedures
- More than one organization involved in the procurement cycle

Common for these scenarios are that the originator of the procurement process is not the same person as the customer.

Typically different departments and systems are involved in the different phases of the procurement cycle. One department may take care of the ordering, others of the delivery reception and others again for the handling of the invoice. Some of the responsibility may even be taken care of by another company.

This document describes the different ways the OIOUBL Complex Organizations Procurement Cycle can be handled utilizing the UBL 2.0 framework. The following issues are covered:

- The business parties involved
- The involved business processes and their interrelationships
- The business documents that are to be exchanged
- The business rules that apply to content and structure of these business documents

For clarity, in this scenario package, the sales items are limited to items that can be identified with an item number.

2.1.1 Actors

In the OIOUBL Complex Organizations Procurement Cycle, business parties (or Actors) are limited to the following:

- Customer and Supplier
- Customer can have different roles (Originator, Buyer, Delivery and Accounting)
- Customer will always be a National Agency or Organization (except the scenario in chapter 5)

2.1.2 Involved business documents

The involved business documents are limited to:

- Order
- Order Response Simple
- Invoice

- Credit Note
- Reminder
- Application Response

2.1.3 Limitations

The following business processes are not covered in this document:

- Sourcing
- Fulfillment
- Payment

2.2 The usage of OIOUBL profiles

As described in Ref. 2 + 3, OIOUBL handles the different levels of complexity by a set of different **profiles**.

OIOUBL profiles make it possible for business parties to agree on different implementation levels of the UBL 2.0 model, and thereby make it possible to start at a basic level, and maybe later extend to a more advanced level.

Business parties capable of using OIOUBL should register the profiles they support in a common registry, in order to minimize the need for signing mutually trade agreements.

Profiles are identified with a unique ID in every instance of the business documents, and by providing a given ID, the business party commits itself to follow the rules and flow of documents as specified for that profile ID.

An OIOUBL profile is made up of one or more business processes which are reused (building bricks) in the different profiles. The business processes are structured into four levels:

Process level	Description	UBL usage
Basic	Basic level processes	Basic UBL usage
Simple	Entry level processes	Simple UBL usage
Extended	Next level of business processes	Limited UBL usage
Advanced	Top level of business processes	Full UBL usage

The OIOUBL Complex Organizations Procurement Cycle uses the following OIOUBL profiles:

Profile	Profile ID	Comments
OrderingSimpleToBillingSimple	Procurement-OrdSimR-BilSim-1.0	The simple ordering (with response) and invoicing process

Using the OrderingSimpleToBillingSimple profile, actors are limited to Customer and Supplier with the following roles¹:

- Buyer Customer Party
- Seller Supplier Party
- Accounting Customer Party

¹ One role corresponds to a UBL 2.0 Party Term, see Ref. 4 + 5 for more info.

- Accounting Supplier Party

The involved business documents are limited to:

- Order
- Order Response Simple
- Invoice
- Credit Note
- Reminder
- Application Response

The overall business process is shown in figure 1 below.

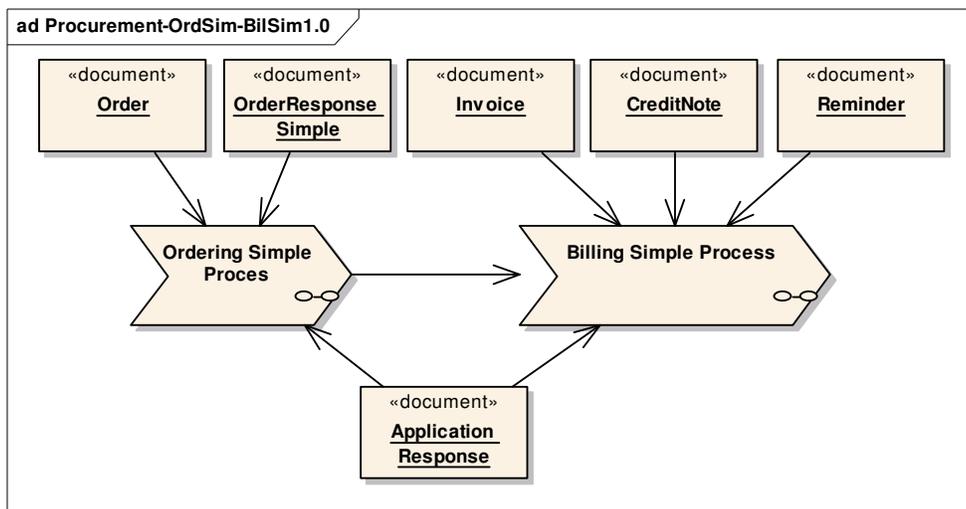


Figure 1

The OrderingSimpleToBillingSimple profile contains the following business processes:

Business process	Comments
OrderingSimpleR (with response)	The OIOUBL Basic Procurement Cycle requires that an OrderResponseSimple always is returned from the Supplier, which means that the OrderingSimpleR process is used
BillingSimple	The simple invoicing process

The OrderingSimpleR process is shown in figure 2 below:

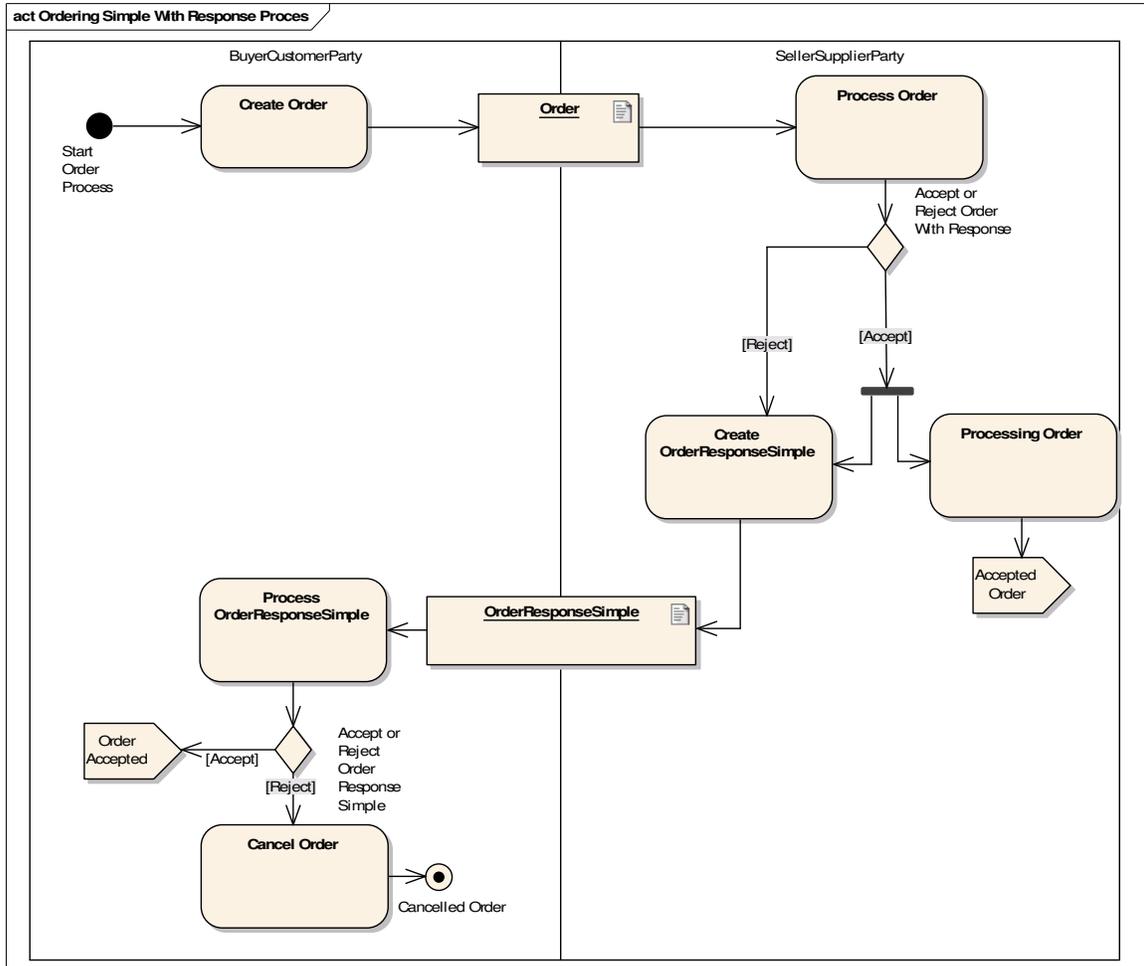


Figure 2, The OrderingSimpleR process.

The BillingSimple process is shown in figure 3 below:

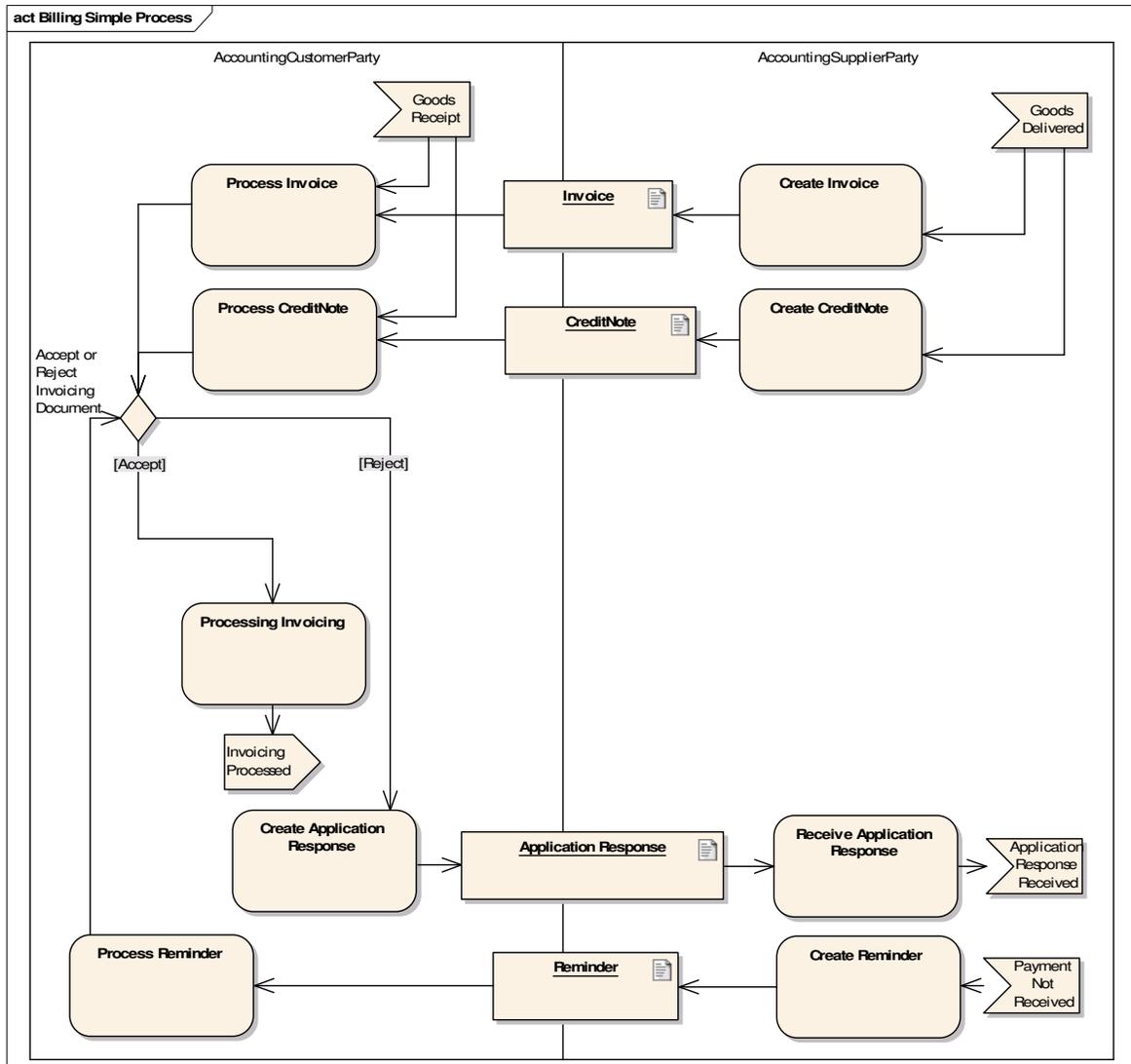


Figure 3, The BillingSimple process.

2.3 Covered Scenarios

For the OIOUBL Complex Organizations Procurement Cycle a number of different scenarios (use cases) are defined and described into more detail. A scenario reflects a fixed set of characteristics inside the defined scope. The following scenarios are described in this document:

Chapter	Scenario title	Description
3	Procurement of various office supplies for a government agency	The happy day scenario
4	Procurement of a computer monitor in government agency	The happy day scenario
5	Procurement of medicine	The happy day scenario

3. Procurement of various office supplies for a government agency

3.1 Scenario Summary

This scenario describes the Happy Day variant of a stock initiated procurement in a government agency with a separate procurement department and a separate goods reception.

The order is stock initiated, which means that the procurement department automatically receives a notification, when their stock of office supplies, has reached the minimum quantity.

The ordered items are standard items found in a catalogue, and can be identified using a unique item number.

A unique GLN location number identifies the government agency.

3.2 Scenario Characteristics

The scenario characteristics for this particularly scenario can be listed as:

- One Order – One Order Response Simple – One delivery – One Invoice
- The procurement is stock initiated
- The procurement department takes the role of Buyer Customer Party
- The department for goods reception takes the role of Delivery Party
- The supplier takes the role of Seller Supplier Party
- The Buyer Customer Party identifies the items based on a catalogue
- The trade items are standard items identified by item identification numbers
- The parties are capable of exchanging XML document instances (using their network provider)
- The Invoice is sent to the Accounting Customer Party when the goods are delivered
- This is the happy day scenario

3.3 Scenario Context

The context of this scenario does not include the following:

- The Sourcing process
- The fulfillment process
- The payment process

3.3.1 Document usage

The involved business documents are the following:

- Order
- Order Response Simple
- Invoice

3.3.2 Customer parties

The following examples of customer related business parties will be used throughout the rest of this scenario description:

Buyer Customer Party and Accounting Customer Party:

National IT and Telecom Agency
Att. Lene Procuresen
Holsteinsgade 63
2100 Copenhagen
GLN: 5798000416604

This is an example of a separate procurement department. The department uses an ERP system, which is capable of sending an electronic Order and receiving an electronic Order Response. The Buyer Customer Party is identified with a standard GLN location number.

Delivery Customer Party:

National IT and Telecom Agency
Att. Ulrik Goodsen
Holsteinsgade 300
2100 Copenhagen

The national agency has a separate department for goods receivable, identified with a physical address.

3.3.3 Supplier parties

The following examples of supplier related business parties will be used throughout the rest of this scenario description:

Seller Supplier Party and Accounting Supplier Party:

Ordrup Office Supplies
Att. Helene Suppliesen
Ordrupvej 111
2620 Charlottenlund
CVR: 16356707

This is an example of an office supplier. The supplier uses an ERP system, and is identified with a unique Company identification number (CVR). Their ERP system is capable of receiving and sending electronic documents.

3.4 Scenario Activity Diagram

The scenario diagram provided shows the flow of activities and usage of document instances of the involved parties. Secondary activities are shown with a dashed borderline.

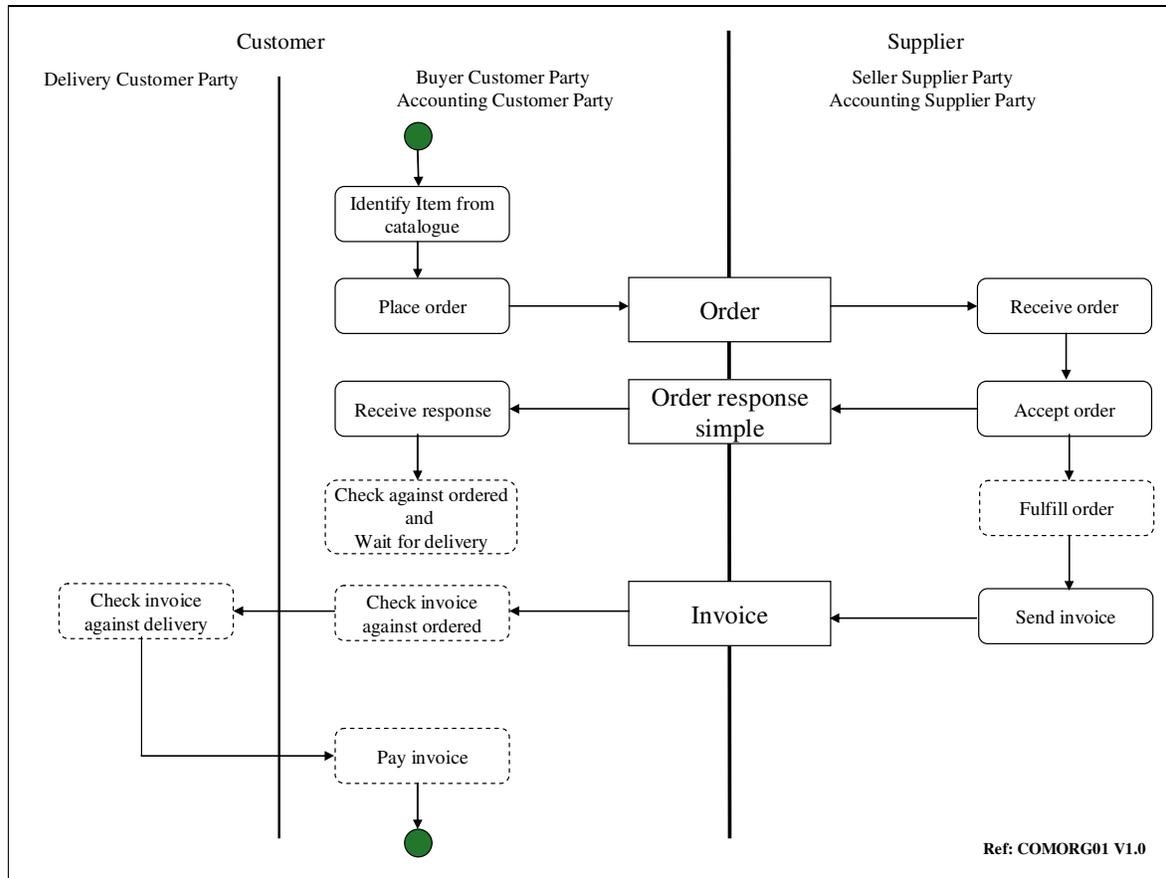


Figure 4

3.5 Detailed description of primary activities

Below you will find a description of each of the primary activities shown in the activity diagram (figure 4). A primary activity is an activity that is inside the scope of the scenario description and also considered external (not an internal process).

3.5.1 Identify Item from catalogue

The Buyer Customer Party identifies the items to be ordered from a catalogue. This means that only standard items and items with an item number can be ordered. The catalogue could be either paper based or electronic.

3.5.2 Place order

Basically the Buyer Customer Party needs to produce one instance of the Order document and send it to the Seller Supplier Party. This can be done directly from within the Buyer Customer Party's ERP system. The process can be more or less automated. The document instance will be delivered to the Seller Supplier Party using an appropriate network provider. The Order must contain a number of key Business Information Identities:

- Buyer Customer Party's Order Number
- Contact Reference at Buyer Customer Party

- EndPointID of the Buyer Customer Party's Organization
- Delivery Party address
- ID of Seller Supplier Party's Organization
- Item Number of the ordered item(s) known to the Seller Supplier Party
- Number of PartyLegalEntity to visualize if Accounting Customer Party also is Legal Entity

3.5.3 Receive order

The Seller Supplier Party receives the order electronically from its network provider. This process can be more or less automated.

3.5.4 Accept order

The Seller Supplier Party needs to verify whether it can deliver the order, which is always the case in this scenario. When accepting the Order the Seller Supplier Party produces one instance of the Order Response Simple document and returns it to the Buyer Customer Party. The Order Response Simple must contain a number of key Business Information Identities:

- Code for accepting the whole order
- A reference to the originating order

3.5.5 Receive response

The Buyer Customer Party receives the Order Response electronically from its network provider. This process can be more or less automated. The Buyer Customer Party should check whether the order is accepted and if the correct order is referenced. In this scenario there will always be match.

3.5.6 Send invoice

The Accounting Supplier Party produces one instance of the Invoice document and sends it to the Accounting Customer Party. In this scenario the Invoice is sent by the time the items are delivered. The Invoice must contain a number of key Business Information Identities:

- Buyer Customer Party's Order Number
- Contact Reference at Buyer Customer Party
- EndPointID of the Accounting Customer Party's Organization
- Delivery Customer Party address
- ID of Accounting Customer Party's Organization
- PartyLegalEntity number

3.6 Internal processes and eBusiness benefits

The benefits of eBusiness relates directly to the degree of correlation between the external and the internal processes within a given organization. The purpose of this chapter is to highlight and describe the possible benefits that can be achieved by incorporating the electronic document flow into the organization's internal processes.

3.6.1 Buyer Customer Party

3.6.1.1 Check order response against ordered

When the Buyer Customer Party receives the order response it automatically triggers the following:

- An automated check for rejection code
- An automated match against the initiating Order (based on the order reference)
- An automated creation of a corresponding record (object) in the Buyer Customer Party's internal IT systems for goods receivables
- Optionally create a record in the Buyer Customer Party's internal IT system for invoice matching

3.6.1.2 Check invoice against ordered

At the time the invoice is received at the Buyer Customer Party, it is automatically checked against the order.

3.6.2 Delivery Party

3.6.2.1 Check delivery against ordered

At the time the items are received it is checked against the order and if match the customer's internal IT system is updated.

3.6.3 Seller Party

3.6.3.1 General benefits

The benefits for the Seller Supplier Party are actually tied together with the automated invoice matching process at the Buyer Customer Party. This should ensure a faster turnaround time from delivery of goods to the payment is received.

3.7 Examples

The XML example instance documents are provided as standalone XML files outside this document.

3.7.1 Example 3.1

Lene Procuresen, who is employed at the National IT and Telecom Agency in their procurement department, needs to fill up the stock with office supplies.

This means that the following steps are performed:

1. Lene finds the items in their supplier's electronic catalogue and places the order.
2. The supplier recognizes that they have the items in stock and sends an accepting OrderResponseSimple immediately.
3. Lene matches the order response against the order and notifies that the order is in process.
4. The supplier sends the items by freight to the Delivery Customer Party address.
5. Ulrik Goodsen receives the items. He finds the matching order and approves the delivery.
6. The day after the Accounting Customer Party receives an electronic invoice with attention to Lene.

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7. Lene matches it with the order and approves it.
8. The invoice is then ready for payment.

In the following tables you will find the business objects that are considered important to this example.

Order:

COMORG_01_01_00_Order_v2p1.xml

3.7.1.1 Order

Class	Field	Attribute	Value	Note ²
	UBLVersionID		2.0	
	CustomizationID		OIOUBL-2.01	
	ProfileID		Procurement-OrdSimR-BilSim-1.0	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:profileid-1.1	
	ID		5002701	
	CopyIndicator		false	
	UUID		9756b468-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-01	
	DocumentCurrencyCode		DKK	
BuyerCustomerParty				
Party				
	EndpointID		5798000416604	
		schemeAgencyID	9	
		schemeID	GLN	
PartyIdentification				
	ID		5798000416604	
		schemeAgencyID	9	
		schemeID	GLN	
PartyName				
	Name		National IT and Telecom Agency	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Holsteinsgade	
	BuildingNumber		63	
	CityName		Copenhagen	
	PostalZone		2100	
Country				

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	IdentificationCode		DK	
PartyLegalEntity				
	RegistrationName		National IT and Telecom Agency	
	CompanyID		DK16356709	
		schemeID	DK:CVR	
Contact				
	ID		7778	
	Name		Lene Procuresen	
	Telephone		26532147	
	ElectronicMail		lene@itst.dk	
SellerSupplierParty				
Party				
	EndpointID		DK16356706	
		schemeID	DK:CVR	
PartyIdentification				
	ID		DK16356706	
		schemeID	DK:CVR	
PartyName				
	Name		Ordrup Office Supplies	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oiubl:codelist:addressformatcode-1.1	
	StreetName		Ordrupvej	
	BuildingNumber		111	
	CityName		Charlottenlund	
	PostalZone		2620	
Country				
	IdentificationCode		DK	
Contact				
	ID		23456	
	Name		Helene Suppliesen	
	Telephone		15812337	
	ElectronicMail		Helene@oos.dk	
Delivery				
RequestedDeliveryPeriod				
	StartDate		2005-11-15	
	EndDate		2005-11-15	
Despatch				
DespatchParty				
PartyName				
	Name		National IT and Telecom Agency	
PostalAddress				

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	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Holsteinsgade	
	BuildingNumber		300	
	CityName		Copenhagen	
	PostalZone		2100	
Country				
	IdentificationCode		DK	
Contact				
	Name		Ulrik Goodsen	
	Telephone		15812347	
	ElectronicMail		ulrik@itst.dk	
TaxTotal				
	TaxAmount		1262.50	
		currencyID	DKK	
TaxSubtotal				
	TaxableAmount		5050.00	
		currencyID	DKK	
	TaxAmount		1262.50	
		currencyID	DKK	
TaxCategory				
	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxcategoryid-1.1	
	Percent		25	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxschemeid-1.1	
	Name		Moms	
AnticipatedMonetaryTotal				
	LineExtensionAmount		5050.00	
		currencyID	DKK	
	TaxExclusiveAmount		1262.50	
		currencyID	DKK	
	TaxInclusiveAmount		6312.50	
		currencyID	DKK	
	PayableAmount		6312.50	
		currencyID	DKK	

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3.7.1.2 OrderLine

Class	Field	Attribute	Value	Note
LineItem				
	ID		1	
	Quantity		1.00	
		unitCode	EA	
	LineExtensionAmount		5000.00	
		currencyID	DKK	
Price				
	PriceAmount		5000.00	
		currencyID	DKK	
	BaseQuantity		1	
		unitCode	EA	
	OrderableUnitFactorRate		1	
Item				
	Description		Projector bulb	
	Name		Projector bulb	
SellersItemIdentification				
	ID		5712345780121	
		schemeAgencyID	9	
		schemeID	GTIN	
ClassifiedTaxCategory				
	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxcategoryid-1.1	
	Percent		25	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxschemeid-1.1	
	Name		Moms	

3.7.1.3 OrderLine

Class	Field	Attribute	Value	Note
LineItem				
	ID		2	
	Quantity		2.00	
		unitCode	EA	
	LineExtensionAmount		50.00	
		currencyID	DKK	
Price				
	PriceAmount		25.00	
		currencyID	DKK	

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	BaseQuantity		1	
		unitCode	EA	
	OrderableUnitFactorRate		1	
Item				
	Description		Super Pencil	
	Name		Super Pencil	
SellersItemIdentification				
	ID		5712345780111	
		schemeAgencyID	9	
		schemeID	GTIN	
ClassifiedTaxCategory				
	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oiubl:id:taxcategoryid-1.1	
	Percent		25	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oiubl:id:taxschemeid-1.1	
	Name		Moms	

OrderResponseSimple:

COMORG_01_01_00_OrderResponseSimple_v2p1.xml

3.7.1.4 OrderResponseSimple

Class	Field	Attribute	Value	Note ³
	UBLVersionID		2.0	
	CustomizationID		OIOUBL-2.01	
	ProfileID		Procurement-OrdSimR-BilSim-1.0	
		schemeAgencyID	320	
		schemeID	urn:oiubl:id:profileid-1.1	
	ID		65830	
	CopyIndicator		false	
	UUID		9756b4ac-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-02	
	AcceptedIndicator		true	
OrderReference				
	ID		5002701	
	UUID		9756b468-8815-1029-857a-e388fe63f399	

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	IssueDate		2005-11-01	
SellerSupplierParty				
Party				
	EndpointID		DK16356706	
		schemeID	DK:CVR	
PartyIdentification				
	ID		DK16356706	
		schemeID	DK:CVR	
PartyName				
	Name		Ordrup Office Supplies	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Ordrupvej	
	BuildingNumber		111	
	CityName		Charlottenlund	
	PostalZone		2620	
Country				
	IdentificationCode		DK	
PartyLegalEntity				
	RegistrationName		Ordrup Office Supplies	
	CompanyID		DK16356706	
		schemeID	DK:CVR	
Contact				
	ID		23456	
	Name		Helene Suppliesen	
	Telephone		15812337	
	ElectronicMail		Helene@oos.dk	
BuyerCustomerParty				
Party				
	EndpointID		5798000416604	
		schemeAgencyID	9	
		schemeID	GLN	
PartyIdentification				
	ID		5798000416604	
		schemeAgencyID	9	
		schemeID	GLN	
PartyName				
	Name		National IT and Telecom Agency	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	

OIOUBL Complex Organizations Procurement Cycle

		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Holsteinsgade	
	BuildingNumber		63	
	CityName		Copenhagen	
	PostalZone		2100	
Country				
	IdentificationCode		DK	
PartyLegalEntity				
	RegistrationName		National IT and Telecom Agency	
	CompanyID		DK16356709	
		schemeID	DK:CVR	
Contact				
	ID		7778	
	Name		Lene Procuresen	
	Telephone		26532147	
	ElectronicMail		lene@itst.dk	

Invoice:

COMORG_01_01_00_Invoice_v2p1.xml

3.7.1.5 Invoice

Class	Field	Attribute	Value	Note ⁴
	UBLVersionID		2.0	
	CustomizationID		OIOUBL-2.01	
	ProfileID		Procurement-OrdSimR-BilSim-1.0	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:profileid-1.1	
	ID		A00095678	
	CopyIndicator		false	
	UUID		9756b4d0-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-20	
	InvoiceTypeCode		380	
		listAgencyID	320	
		listID	urn:oioubl:codelist:invoicetypecode-1.1	
	DocumentCurrencyCode		DKK	
OrderReference				
	ID		5002701	
	UUID		9756b468-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-01	

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OIOUBL Complex Organizations Procurement Cycle

AccountingSupplierParty			
Party			
	EndpointID		DK16356706
		schemeID	DK:CVR
PartyIdentification			
	ID		DK16356706
		schemeID	DK:CVR
PartyName			
	Name		Ordrup Office Supplies
PostalAddress			
	AddressFormatCode		StructuredDK
		listAgencyID	320
		listID	urn:oioubl:codelist:addressformatcode-1.1
	StreetName		Ordrupvej
	BuildingNumber		111
	CityName		Charlottenlund
	PostalZone		2620
Country			
	IdentificationCode		DK
PartyTaxScheme			
	CompanyID		DK16356706
		schemeID	DK:SE
TaxScheme			
	ID		63
		schemeAgencyID	320
		schemeID	urn:oioubl:id:taxschemeid-1.1
	Name		Moms
PartyLegalEntity			
	RegistrationName		Ordrup Office Supplies
	CompanyID		DK16356706
		schemeID	DK:CVR
Contact			
	ID		23456
	Name		Helene Suppliesen
	Telephone		15812337
	ElectronicMail		Helene@oos.dk
AccountingCustomerParty			
Party			
	EndpointID		5798000416604
		schemeAgencyID	9
		schemeID	GLN
PartyIdentification			
	ID		5798000416604

OIOUBL Complex Organizations Procurement Cycle

		schemeAgencyID	9	
		schemeID	GLN	
PartyName				
	Name		National IT and Telecom Agency	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Holsteinsgade	
	BuildingNumber		63	
	CityName		Copenhagen	
	PostalZone		2100	
Country				
	IdentificationCode		DK	
PartyLegalEntity				
	RegistrationName		National IT and Telecom Agency	
	CompanyID		DK16356709	
		schemeID	DK:CVR	
Contact				
	ID		7778	
	Name		Lene Procuresen	
	Telephone		26532147	
	ElectronicMail		lene@itst.dk	
Delivery				
	ActualDeliveryDate		2005-11-15	
Despatch				
DespatchParty				
PartyName				
	Name		National IT and Telecom Agency	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Holsteinsgade	
	BuildingNumber		300	
	CityName		Copenhagen	
	PostalZone		2100	
Country				
	IdentificationCode		DK	
Contact				
	Name		Ulrik Goodsen	
	Telephone		15812347	
	ElectronicMail		ulrik@itst.dk	

OIOUBL Complex Organizations Procurement Cycle

PaymentMeans			
	ID		1
	PaymentMeansCode		42
	PaymentDueDate		2005-11-25
	PaymentChannelCode		DK:BANK
		listAgencyID	320
		listID	urn:oioubl:codelist:paymentchannelcode-1.1
PayeeFinancialAccount			
	ID		1234567890
	PaymentNote		A00095678
FinancialInstitutionBranch			
	ID		1234
PaymentTerms			
	ID		1
	PaymentMeansID		1
	Amount		6312.50
		currencyID	DKK
TaxTotal			
	TaxAmount		1262.50
		currencyID	DKK
TaxSubtotal			
	TaxableAmount		5050.00
		currencyID	DKK
	TaxAmount		1262.50
		currencyID	DKK
TaxCategory			
	ID		StandardRated
		schemeAgencyID	320
		schemeID	urn:oioubl:id:taxcategoryid-1.1
	Percent		25
TaxScheme			
	ID		63
		schemeAgencyID	320
		schemeID	urn:oioubl:id:taxschemeid-1.1
	Name		Moms
LegalMonetaryTotal			
	LineExtensionAmount		5050.00
		currencyID	DKK
	TaxExclusiveAmount		1262.50
		currencyID	DKK
	TaxInclusiveAmount		6312.50
		currencyID	DKK
	PayableAmount		6312.50

OIOUBL Complex Organizations Procurement Cycle

		currencyID	DKK
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3.7.1.6 InvoiceLine

Class	Field	Attribute	Value	Note
	ID		1	
	InvoicedQuantity		1.00	
		unitCode	EA	
	LineExtensionAmount		5000.00	
		currencyID	DKK	
OrderLineReference				
	LineID		1	
TaxTotal				
	TaxAmount		1250.00	
		currencyID	DKK	
TaxSubtotal				
	TaxableAmount		5000.00	
		currencyID	DKK	
	TaxAmount		1250.00	
		currencyID	DKK	
TaxCategory				
	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxcategoryid-1.1	
	Percent		25	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxschemeid-1.1	
	Name		Moms	
Item				
	Description		Projector bulb	
	Name		Projector bulb	
SellersItemIdentification				
	ID		5712345780121	
		schemeAgencyID	9	
		schemeID	GTIN	
Price				
	PriceAmount		5000.00	
		currencyID	DKK	
	BaseQuantity		1	
		unitCode	EA	
	OrderableUnitFactorRate		1	

OIOUBL Complex Organizations Procurement Cycle

3.7.1.7 InvoiceLine

Class	Field	Attribute	Value	Note
	ID		2	
	InvoicedQuantity		2.00	
		unitCode	EA	
	LineExtensionAmount		50.00	
		currencyID	DKK	
OrderLineReference				
	LineID		2	
TaxTotal				
	TaxAmount		12.50	
		currencyID	DKK	
TaxSubtotal				
	TaxableAmount		50.00	
		currencyID	DKK	
	TaxAmount		12.50	
		currencyID	DKK	
TaxCategory				
	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxcategoryid-1.1	
	Percent		25	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxschemeid-1.1	
	Name		Moms	
Item				
	Description		Super Pencil	
	Name		Super Pencil	
SellersItemIdentification				
	ID		5712345780111	
		schemeAgencyID	9	
		schemeID	GTIN	
Price				
	PriceAmount		25.00	
		currencyID	DKK	
	BaseQuantity		1	
		unitCode	EA	
	OrderableUnitFactorRate		1	

The corresponding example instance files are provided as:

OIOUBL Complex Organizations Procurement Cycle

- COMORG_01_01_00_Order_v2p1.xml
- COMORG_01_01_00_OrderResponseSimple_v2p1.xml
- COMORG_01_01_00_Invoice_v2p1.xml

4. Procurement of a computer monitor in government agency

4.1 Scenario Summary

The scenario describes requisition-initiated procurement in a government agency with several internal departments from a complex supplier organization.

The agency has a separate procurement department and a separate goods reception and the supplier has outsourced the freight forwarding and invoicing part of their business.

The ordered items are standard items found in a catalogue, and can be identified using a unique item number.

All the involved parties can be identified by unique id's, except the Delivery Party.

This scenario describes the Happy Day variant only.

4.2 Scenario Characteristics

The scenario characteristics for this particularly scenario can be listed as:

- One Order – One Order Response Simple – One delivery – One Invoice
 - The process is initiated by the employee (Originator Party)
 - The procurement department takes the role of Buyer Customer Party
 - The department for goods reception takes the role of Delivery Party
 - The supplier takes the role of Seller Supplier Party
 - Separate Payee Party, as the supplier has outsourced the invoicing part
 - The supplier uses a separate Despatch Party
 - The Buyer Customer Party identifies the items based on a catalogue
 - The trade items are standard items identified by item identification numbers
 - The parties are capable of exchanging XML document instances (using their network provider)
 - This is the happy day scenario
-

4.3 Scenario Context

The context of this scenario does not include the following:

- The sourcing process
- The fulfillment process
- The payment process

4.3.1 Document usage

The involved business documents are the following:

- Order
- Order Response Simple

- Invoice

4.3.2 Buyer Customer parties

The following examples of customer related business parties will be used throughout the rest of this scenario description:

Originator Party:

Hans Employee
Department B27
Employee no: 180767-0000
Account no: 324566-7

This is an example of an employee at the National IT and Telecom Agency, identified with a unique employee number (CPR). The employee uses an internal requisition system with a predefined workflow. The employee fills out the requisition form and his manager approves it, assigns the relevant account number, and forwards the requisition to the procurement department.

Buyer Customer Party and Accounting Customer Party:

National IT and Telecom Agency
Att. Lene Procuresen
Holsteinsgade 63
2100 Copenhagen
GLN: 5798000416604

This is an example of a separate procurement department. The department uses an ERP system which is capable of sending an electronic Order and receiving an electronic Order Response. The Accounting Customer Party is identified with a standard GLN location number.

Delivery Party:

National IT and Telecom Agency
Att. Ulrik Goodsen
Holsteinsgade 300
2100 Copenhagen

The national agent has a separate department for goods receivable, identified with a physical address.

4.3.3 Seller Supplier parties

The following examples of supplier related business parties will be used throughout the rest of this scenario description:

Seller Supplier Party and Accounting Supplier Party:

Odrup PC Supplies
Att. Helene Suppliesen
Ordrupvej 111

2620 Charlottenlund

CVR: 16356707

This is an example of a computer supplier with several departments (and agents) involved in the procurement process. The computer supplier uses an ERP system, and is identified with a unique company identification number (CVR). Their ERP system is capable of receiving and sending electronic documents.

Payee Party:

Odrup Bank

Att. Helene Banksen

Ordrupvej 14

2620 Charlottenlund

CVR: 16356707

Registration no.: 9544

Account no.: 0005704966

The computer supplier has outsourced the invoicing process to a bank, with the specified payments parameters.

Despatch Party:

Odrup Freighters

Att. Helene Freight

Ordrupvej 15

2620 Charlottenlund

CVR: 16356707

The computer supplier has outsourced the freight forwarding. However, this is actually not relevant to the scenario description.

4.4 Scenario Activity Diagram

The scenario diagram provided shows the flow of activities and usage of document instances of the involved parties. Secondary activities are shown with a dashed borderline.

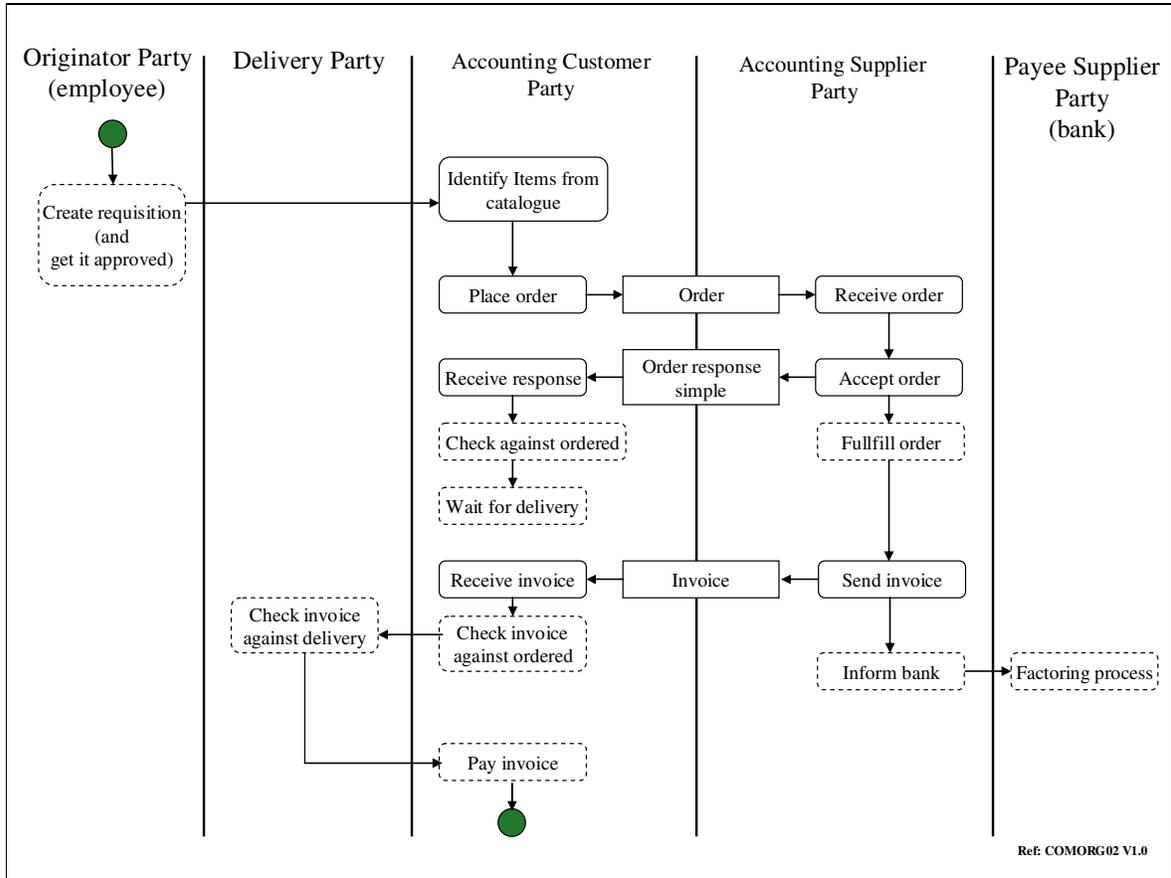


Figure 5

4.5 Detailed description of primary activities

Below you will find a description of each of the primary activities shown in the activity diagram (figure 5). A primary activity is an activity that is inside the scope of the scenario description and also considered external (not an internal process).

4.5.1 Identify Items from catalogue

With the internal requisition as input, the Buyer Customer Party identifies the items to be ordered from a catalogue. This means that only standard items and items with an item number can be ordered. The catalogue could be either paper based or electronic.

4.5.2 Place order

Basically the Buyer Customer Party needs to produce one instance of the Order document and send it to the Seller Party. This can be done directly from within the Buyer Customer Party's ERP system. The process can be more or less automated. The document instance will be delivered to the Seller Party using an appropriate network provider. The Order must contain a number of key Business Information Identities:

- Buyer Party's Order Number
- Contact Reference at Buyer Customer Party

- EndPointID of the Accounting Customer Party's Organization
- Account number at the Accounting Customer Party's Organization
- Delivery Party address
- Originator Supplier Party name
- ID of Seller Party's Organization
- Item Number of the ordered item(s) known to the Seller Party

4.5.3 Accept order

The Seller Party needs to verify whether it can deliver the order which is always the case in this scenario. When accepting the Order the Seller Party produces one instance of the Order Response Simple document and returns it to the Accounting Customer Party. Observe that this is a mandatory action even in this simple scenario. The Order Response Simple must contain a number of key Business Information Identities:

- Code for accepting the whole order
- A reference to the originating order

4.5.4 Receive response

The Buyer Customer Party receives the Order Response electronically from its network provider. This process can be more or less automated. The Buyer Customer Party should check whether the order is accepted and if the correct order is referenced. In this scenario there will always be match.

4.5.5 Send invoice

The Seller Party produces one instance of the Invoice document and sends it to the Buyer Customer Party. In this scenario the Invoice is sent by the time the items are delivered. The Invoice must contain a number of key Business Information Identities:

- Buyer Customer Party's Order Number
- Contact Reference at Buyer Customer Party
- EndPointID of the Accounting Customer Party's Organization
- Account number at the Accounting Customer Party's Organization
- Originator Customer Party name
- Delivery Party address
- Seller Supplier Party's Sales order Number
- ID of Seller Supplier Party's Organization
- Payment details at Payee Party

4.6 Internal processes and eBusiness benefits

The benefits of eBusiness relates directly to the degree of correlation between the external and the internal processes within a given organization. The purpose of this chapter is to highlight and describe the possible benefits that can be achieved by incorporating the electronic document flow into the organization's internal processes.

4.6.1 Originator Customer Party

4.6.1.1 General benefits

Better service and quality.

4.6.2 Buyer Customer Party

4.6.2.1 Check order response against ordered

At the time the Buyer Customer Party receives the order response it automatically triggers the following:

- An automated check for rejection code
- An automated check against ordered

4.6.2.2 Check invoice against ordered

At the time the invoice arrives at the Buyer Customer Party, it is automatically checked against the order.

4.6.3 Delivery Party

4.6.3.1 Check delivery against ordered

At the time the items are received, it is checked against the order, and if match, the customer's internal IT system is updated.

4.6.4 Seller Supplier Party

4.6.4.1 Inform bank

The Seller Supplier Party collects their transactions, and daily sends a list to their factoring partner (the bank).

4.6.4.2 General benefits

The processes should be optimized and automated.

4.6.5 Accounting Supplier Party

4.6.5.1 General benefits

The benefits for the Accounting Supplier Party are actually tied together with the automated invoice matching process at the Accounting Customer Party.

4.7 Examples

The XML example instance documents are provided as standalone XML files outside this document.

4.7.1 Example 4.1

Hans Employee, who is employed at the National IT and Telecom Agency, needs a new computer monitor.

This means that the following steps are performed:

1. Hans uses their internal requisition system and creates a requisition.
2. The predefined workflow assures that the requisition is forwarded to Hans's manager, who approves it, and assign's the proper account number.
3. The requisition is then automatically forwarded to Lene Procuresen in the procurement department.
4. Lene finds the monitor in their supplier's electronic catalogue and places the order.
5. The supplier recognizes that they have the monitor in stock and returns an accepting order response immediately.
6. Hans matches the order response against the order and notifies that the order is in process.
7. The Despatch Party sends the monitor by freight to the Delivery Party address.
8. Ulrik Goodsen receives the monitor. He finds the matching order and approves the delivery.
9. The day after the Accounting Customer Party receives an electronic invoice (from the supplier) with attention to Lene.
10. Hans matches it with the order and approves it.
11. The invoice is then ready for payment.

In the following tables you will find the business objects that are considered important to this example.

Order:

COMORG_02_02_00_Order_v2p1.xml

4.7.1.1 Order

Class	Field	Attribute	Value	Note⁵
	UBLVersionID		2.0	
	CustomizationID		OIOUBL-2.01	
	ProfileID		Procurement-OrdSimR-BilSim-1.0	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:profileid-1.1	
	ID		5002701	
	CopyIndicator		false	
	UUID		9756b468-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-01	
	DocumentCurrencyCode		DKK	
	AccountingCost		324566-7	
BuyerCustomerParty				
Party				

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OIOUBL Complex Organizations Procurement Cycle

	EndpointID		5798000416604	
		schemeAgencyID	9	
		schemeID	GLN	
PartyIdentification				
	ID		5798000416604	
		schemeAgencyID	9	
		schemeID	GLN	
PartyName				
	Name		National IT and Telecom Agency	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Holsteinsgade	
	BuildingNumber		63	
	CityName		Copenhagen	
	PostalZone		2100	
Country				
	IdentificationCode		DK	
PartyLegalEntity				
	RegistrationName		National IT and Telecom Agency	
	CompanyID		DK16356709	
		schemeID	DK:CVR	
Contact				
	ID		7778	
	Name		Lene Procuresen	
	Telephone		26532147	
	ElectronicMail		lene@itst.dk	
SellerSupplierParty				
Party				
	EndpointID		DK16356707	
		schemeID	DK:CVR	
PartyIdentification				
	ID		DK16356707	
		schemeID	DK:CVR	
PartyName				
	Name		Ordrup PC Supplies	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Ordrupvej	
	BuildingNumber		111	

OIOUBL Complex Organizations Procurement Cycle

	CityName		Charlottenlund	
	PostalZone		2620	
Country				
	IdentificationCode		DK	
Contact				
	ID		23456	
	Name		Helene Suppliesen	
	Telephone		15812337	
	ElectronicMail		Helene@opc.dk	
OriginatorCustomerParty				
Party				
	EndpointID		5798000416604	
		schemeAgencyID	9	
		schemeID	GLN	
PartyName				
	Name		Hans Employee	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Holsteinsgade	
	BuildingNumber		63	
	CityName		Copenhagen	
	PostalZone		2100	
Country				
	IdentificationCode		DK	
Contact				
	ID		136	
	Name		Hans Employee	
	Telephone		15812339	
Delivery				
RequestedDeliveryPeriod				
	StartDate		2005-11-15	
	EndDate		2005-11-15	
Despatch				
DespatchParty				
PartyName				
	Name		National IT and Telecom Agency	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Holsteinsgade	

OIOUBL Complex Organizations Procurement Cycle

	BuildingNumber		300	
	CityName		Copenhagen	
	PostalZone		2100	
Country				
	IdentificationCode		DK	
Contact				
	Name		Ulrik Goodsen	
	Telephone		15812347	
	ElectronicMail		ulrik@itst.dk	
TaxTotal				
	TaxAmount		1262.50	
		currencyID	DKK	
TaxSubtotal				
	TaxableAmount		5050.00	
		currencyID	DKK	
	TaxAmount		1262.50	
		currencyID	DKK	
TaxCategory				
	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxcategoryid-1.1	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxschemeid-1.1	
	Name		Moms	
AnticipatedMonetaryTotal				
	LineExtensionAmount		5050.00	
		currencyID	DKK	
	TaxExclusiveAmount		1262.50	
		currencyID	DKK	
	TaxInclusiveAmount		6312.50	
		currencyID	DKK	
	PayableAmount		6312.50	
		currencyID	DKK	

4.7.1.2 OrderLine

Class	Field	Attribute	Value	Note
LineItem				
	ID		1	
	Quantity		1.00	
		unitCode	EA	

OIOUBL Complex Organizations Procurement Cycle

	LineExtensionAmount		5050.00	
		currencyID	DKK	
Price				
	PriceAmount		5050.00	
		currencyID	DKK	
	BaseQuantity		1	
		unitCode	EA	
	OrderableUnitFactorRate		1	
Item				
	Description		19" LCD Monitor	
	Name		19" LCD Monitor	
SellersItemIdentification				
	ID		5712345780123	
		schemeAgencyID	9	
		schemeID	GTIN	
ClassifiedTaxCategory				
	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oiubl:id:taxcategoryid-1.1	
	Percent		25	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oiubl:id:taxschemeid-1.1	
	Name		Moms	

OrderResponseSimple:

COMORG_02_02_00_OrderResponseSimple_v2p1.xml

4.7.1.3 OrderResponseSimple

Class	Field	Attribute	Value	Note ⁶
	UBLVersionID		2.0	
	CustomizationID		OIOUBL-2.01	
	ProfileID		Procurement-OrdSimR-BilSim-1.0	
		schemeAgencyID	320	
		schemeID	urn:oiubl:id:profileid-1.1	
	ID		65830	
	CopyIndicator		false	
	UUID		9756b4ac-8815-1029-857a-e388fe63f399	

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OIOUBL Complex Organizations Procurement Cycle

	IssueDate		2005-11-02	
	AcceptedIndicator		true	
OrderReference				
	ID		5002701	
	UUID		9756b468-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-01	
SellerSupplierParty				
Party				
	EndpointID		DK16356707	
		schemelD	DK:CVR	
PartyIdentification				
	ID		DK16356707	
		schemelD	DK:CVR	
PartyName				
	Name		Ordrup Office Supplies	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Ordrupvej	
	BuildingNumber		111	
	CityName		Charlottenlund	
	PostalZone		2620	
Country				
	IdentificationCode		DK	
PartyLegalEntity				
	RegistrationName		Ordrup Office Supplies	
	CompanyID		DK16356707	
		schemelD	DK:CVR	
Contact				
	ID		23456	
	Name		Helene Suppliesen	
	Telephone		15812337	
	ElectronicMail		Helene@oos.dk	
BuyerCustomerParty				
Party				
	EndpointID		5798000416604	
		schemeAgencyID	9	
		schemelD	GLN	
PartyIdentification				
	ID		5798000416604	
		schemeAgencyID	9	
		schemelD	GLN	

OIOUBL Complex Organizations Procurement Cycle

PartyName			
	Name		National IT and Telecom Agency
PostalAddress			
	AddressFormatCode		StructuredDK
		listAgencyID	320
		listID	urn:oioubl:codelist:addressformatcode-1.1
	StreetName		Holsteinsgade
	BuildingNumber		63
	CityName		Copenhagen
	PostalZone		2100
Country			
	IdentificationCode		DK
PartyLegalEntity			
	RegistrationName		National IT and Telecom Agency
	CompanyID		DK16356709
		schemeID	DK:CVR
Contact			
	ID		7778
	Name		Lene Procuresen
	Telephone		26532147
	ElectronicMail		lene@itst.dk
OriginatorCustomerParty			
Party			
	EndpointID		5798000416604
		schemeAgencyID	9
		schemeID	GLN
PartyName			
	Name		Hans Employee
PostalAddress			
	AddressFormatCode		StructuredDK
		listAgencyID	320
		listID	urn:oioubl:codelist:addressformatcode-1.1
	StreetName		Holsteinsgade
	BuildingNumber		63
	CityName		Copenhagen
	PostalZone		2100
Country			
	IdentificationCode		DK
Contact			
	ID		136
	Name		Hans Employee
	Telephone		15812339

OIOUBL Complex Organizations Procurement Cycle

Invoice:

COMORG_02_02_00_Invoice_v2p1.xml

4.7.1.4 Invoice

Class	Field	Attribute	Value	Note
	UBLVersionID		2.0	
	CustomizationID		OIOUBL-2.01	
	ProfileID		Procurement-OrdSimR-BilSim-1.0	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:profileid-1.1	
	ID		A00095678	
	CopyIndicator		false	
	UUID		9756b4d0-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-20	
	InvoiceTypeCode		380	
		listAgencyID	320	
		listID	urn:oioubl:codelist:invoicetypecode-1.1	
	DocumentCurrencyCode		DKK	
	AccountingCost		324566-7	
OrderReference				
	ID		5002701	
	UUID		9756b468-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-01	
AccountingSupplierParty				
Party				
	EndpointID		DK16356707	
		schemeID	DK:CVR	
PartyIdentification				
	ID		DK16356707	
		schemeID	DK:CVR	
PartyName				
	Name		Ordrup PC Supplies	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Ordrupvej	
	BuildingNumber		111	
	CityName		Charlottenlund	

OIOUBL Complex Organizations Procurement Cycle

	PostalZone		2620	
Country				
	IdentificationCode		DK	
PartyTaxScheme				
	CompanyID		DK16356707	
		schemeID	DK:SE	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxschemeid-1.1	
	Name		Moms	
PartyLegalEntity				
	RegistrationName		Ordrup PC Supplies	
	CompanyID		DK16356707	
		schemeID	DK:CVR	
Contact				
	ID		23456	
	Name		Helene Suppliesen	
	Telephone		15812337	
	ElectronicMail		Helene@opc.dk	
AccountingCustomerParty				
Party				
	EndpointID		5798000416604	
		schemeAgencyID	9	
		schemeID	GLN	
PartyIdentification				
	ID		5798000416604	
		schemeAgencyID	9	
		schemeID	GLN	
PartyName				
	Name		National IT and Telecom Agency	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Holsteinsgade	
	BuildingNumber		63	
	CityName		Copenhagen	
	PostalZone		2100	
Country				
	IdentificationCode		DK	
PartyLegalEntity				
	RegistrationName		National IT and Telecom Agency	

OIOUBL Complex Organizations Procurement Cycle

	CompanyID		DK16356709	
		schemeID	DK:CVR	
Contact				
	ID		7778	
	Name		Lene Procuresen	
	Telephone		26532147	
	ElectronicMail		lene@itst.dk	
Delivery				
	ActualDeliveryDate		2005-11-15	
Despatch				
DespatchParty				
PartyName				
	Name		National IT and Telecom Agency	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oiubl:codelist:addressformatcode-1.1	
	StreetName		Holsteinsgade	
	BuildingNumber		300	
	CityName		Copenhagen	
	PostalZone		2100	
Country				
	IdentificationCode		DK	
Contact				
	Name		Ulrik Goodsen	
	Telephone		15812347	
	ElectronicMail		ulrik@itst.dk	
PaymentMeans				
	ID		1	
	PaymentMeansCode		42	
	PaymentDueDate		2005-11-25	
	PaymentChannelCode		DK:BANK	
		listAgencyID	320	
		listID	urn:oiubl:codelist:paymentchannelcode-1.1	
PayeeFinancialAccount				
	ID		1234567890	
	PaymentNote		A00095678	
FinancialInstitutionBranch				
	ID		1234	
PaymentTerms				
	ID		1	
	PaymentMeansID		1	
	Amount		6312.50	

OIOUBL Complex Organizations Procurement Cycle

		currencyID	DKK	
TaxTotal				
	TaxAmount		1262.50	
		currencyID	DKK	
TaxSubtotal				
	TaxableAmount		5050.00	
		currencyID	DKK	
	TaxAmount		1262.50	
		currencyID	DKK	
TaxCategory				
	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxcategoryid-1.1	
	Percent		25	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxschemeid-1.1	
	Name		Moms	
LegalMonetaryTotal				
	LineExtensionAmount		5050.00	
		currencyID	DKK	
	TaxExclusiveAmount		1262.50	
		currencyID	DKK	
	TaxInclusiveAmount		6312.50	
		currencyID	DKK	
	PayableAmount		6312.50	
		currencyID	DKK	

4.7.1.5 InvoiceLine

Class	Field	Attribute	Value	Note
	ID		1	
	InvoicedQuantity		1.00	
		unitCode	EA	
	LineExtensionAmount		5050.00	
		currencyID	DKK	
OrderLineReference				
	LineID		1	
TaxTotal				
	TaxAmount		1250.00	
		currencyID	DKK	
TaxSubtotal				

OIOUBL Complex Organizations Procurement Cycle

	TaxableAmount		5050.00	
		currencyID	DKK	
	TaxAmount		1262.50	
		currencyID	DKK	
TaxCategory				
	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oiubl:id:taxcategoryid-1.1	
	Percent		25	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oiubl:id:taxschemeid-1.1	
	Name		Moms	
Item				
	Description		Projector bulb	
	Name		Projector bulb	
SellersItemIdentification				
	ID		5712345780121	
		schemeAgencyID	9	
		schemeID	GTIN	
Price				
	PriceAmount		5050.00	
		currencyID	DKK	
	BaseQuantity		1	
		unitCode	EA	
	OrderableUnitFactorRate		1	

The corresponding example instance files are provided as:

- COMORG_02_02_00_Order_v2p1.xml
- COMORG_02_02_00_OrderResponseSimple_v2p1.xml
- COMORG_02_02_00_Invoice_v2p1.xml

5. Procurement of medicine

5.1 Scenario Summary

This scenario describes how a family doctor orders medicine for his (private) client. The scenario is special in the way that the Buyer Customer Party does not pay for (or receive) the ordered items. In addition, the order does not result in one corresponding invoice. The pharmacy sends one collecting invoice, referring to goods related to several orders, to the social security once a month. The client's share is collected in cash or by credit card.

The ordered items are standard items found in a catalogue, and can be identified using a unique item number.

All the involved parties can be identified by unique id's.

This scenario describes the Happy Day variant only.

5.2 Scenario Characteristics

The scenario characteristics for this particularly scenario can be listed as:

- One Order – One Order Response Simple – One delivery – One Invoice
- The process is initiated by the client (Originator Customer Party)
- The doctor takes the role of Accounting Customer Party
- The Buyer Customer Party is not involved in the invoicing process
- The pharmacy takes the role of Accounting Supplier Party and also Delivery Party
- The invoice is split into two (the clients share and the rest to the social security)
- The client and social security shares the role of Accounting Customer Party
- The Buyer Customer Party identifies the trade items based on a catalogue
- The trade items are standard items identified by item identification numbers
- The Buyer Customer Party organization is small (one department)
- The parties are capable of exchanging XML document instances (using their network provider)
- This is the happy day scenario

5.3 Scenario Context

The context of this scenario does not include the following:

- The sourcing process
- The fulfillment process
- The payment process

5.3.1 Document usage

The involved business documents are the following:

- Order
- Order Response Simple

- Invoice (an invoice referring to goods and services related to several orders)

5.3.2 Customer parties

The following examples of customer related business parties will be used throughout the rest of this scenario description:

Originator Customer Party:

Hans Clientsen
Fredericiavej 11
2920 Charlottenlund
CPR: 1807670000

This is an example of a private client identified with a unique social security number (CPR). The client shares the role of Accounting Customer Party with the social security organization as they both pays their part of the bill.

Buyer Customer Party:

Ordrup lægehus
Att. Lene Doctorsen
Ordrupvej 10
2920 Charlottenlund
CVR: 40416604

This is an example of a typical doctor, with only one department involved in the procurement process. The doctor uses an ERP system which is capable of sending an electronic Order and receiving an electronic Order Response. The doctor is identified with a standard company identification number (CVR).

Delivery Party:

As the client is assumed to pick up the medicine himself at the pharmacy, the Delivery Party is actually equal to the Seller Party.

Accounting Customer Party:

Københavns Amt
Att. Marianne Amt
Stationspark 28
2600 Glostrup
GLN: 5798000416604

This represents the social security organization, which is a large and complex public organization. It uses several different ERP systems. Being a public organization, it is identified with a unique location number (GLN).

5.3.3 Supplier parties

The following examples of supplier related business parties will be used throughout the rest of this scenario description:

Seller Supplier Party:

Odrup Apotek
 Att. Helene Apoteksen
 Ordrupvej 111
 2620 Charlottenlund
 CVR: 16356707

A typical pharmacy with only one department involved in the procurement process. The pharmacy uses an ERP system, and is identified with a unique TAX identification number (CVR). Their ERP system is capable of receiving and sending electronic documents.

5.4 Scenario Activity Diagram

The scenario diagram provided shows the flow of activities and usage of document instances of the involved parties. Secondary activities are shown with a dashed borderline.

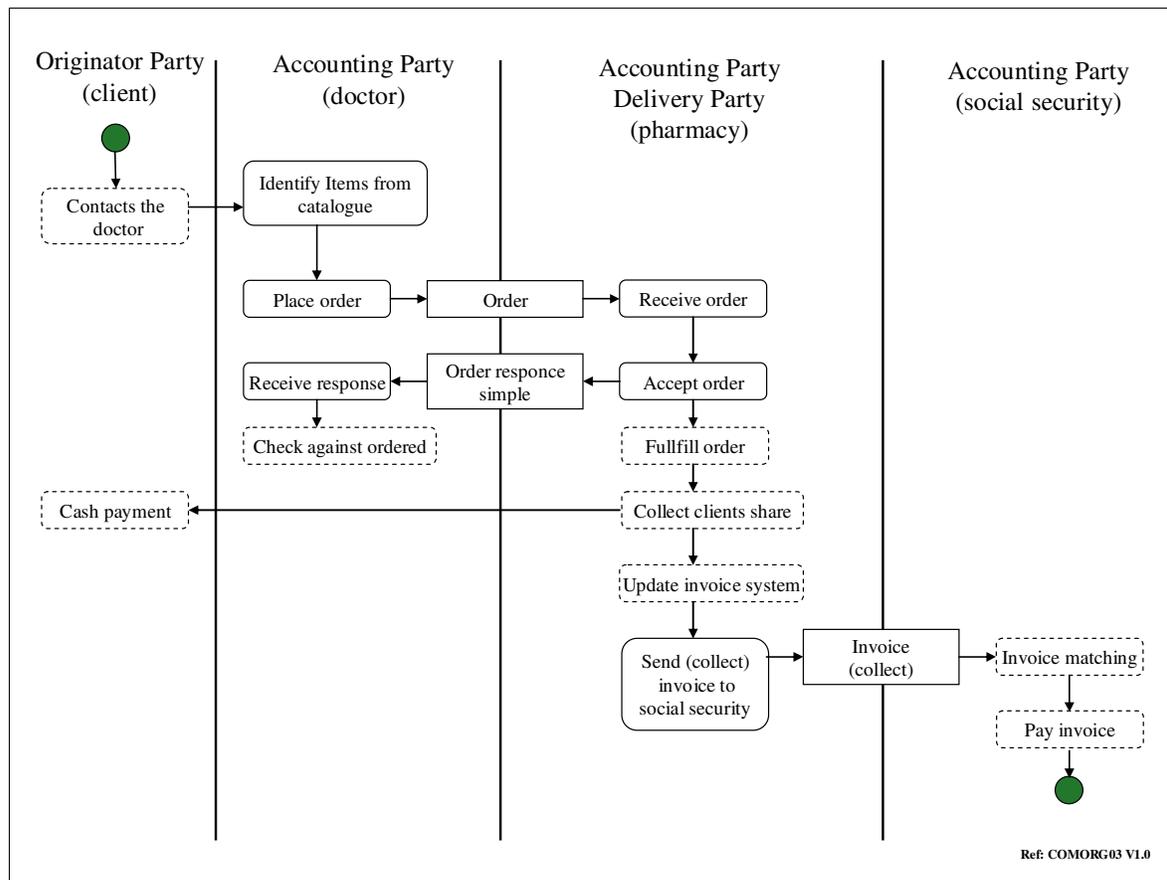


Figure 6

5.5 Detailed description of primary activities

Below you will find a description of each of the primary activities shown in the activity diagram (figure 6). A primary activity is an activity that is inside the scope of the scenario description and also considered external (not an internal process).

5.5.1 Identify Items from catalogue

The Buyer Customer Party identifies the items to be ordered from a catalogue. This means that only standard items and items with an item number can be ordered. The catalogue could be either paper based or electronic.

5.5.2 Place order

The medicine will be delivered at a pharmacy chosen by the client (based on location opening hours etc.) Therefore the Buyer Customer Party asks the Originator Customer Party about what pharmacy he would like to use, and produces one instance of the Order document. The document is then sent to the pharmacy (the Seller Supplier Party).

This can be done directly from within the Buyer Customer Party's ERP system. The process can be more or less automated. The physical document will be delivered to the Seller Supplier Party using an appropriate network provider. The Order must contain a number of key Business Information Identities:

- Buyer Customer Party's Order Number
- Contact Reference at Buyer Customer Party
- CVR Number of the Accounting Customer Party's Organization
- The CPR number of the Originator Customer Party
- ID of Seller Party's Organization
- Item Number of the ordered item(s) known to the Seller Supplier Party

5.5.3 Receive order

The Seller Supplier Party receives the Order electronically from its network provider. This process can be more or less automated.

5.5.4 Accept order

The Seller Supplier Party needs to verify whether it can deliver the order which is always the case in this scenario. When accepting the Order the Seller Supplier Party produces one instance of the Order Response Simple document and returns it to the Buyer Customer Party. Observe that this is a mandatory action even in this simple scenario. The Order Response Simple must contain a number of key Business Information Identities:

- Code for accepting the whole order
- A reference to the originating order

5.5.5 Receive response

The Buyer Customer Party receives the order response electronically from its network provider. This process can be more or less automated. The Buyer Customer Party should check whether the order is accepted and if the correct order is referenced. In this scenario there will always be match.

5.5.6 Send invoice

The Accounting Supplier Party sends a more invoices to the Accounting Customer Party (the social security) once a month. The Invoice must contain a number of key Business Information Identities:

- ID of Seller Party's Organization

And for each order:

- Buyer Customer Party's Order Number
- Contact Reference at Buyer Customer Party
- CVR Number of the Accounting Customer Party's Organization
- CPR number of Originator Customer Party
- Invoiced items

5.6 Internal processes and eBusiness benefits

The benefits of eBusiness relates directly to the degree of correlation between the external and the internal processes within a given organization. The purpose of this chapter is to highlight and describe the possible benefits that can be achieved by incorporating the electronic document flow into the organization's internal processes.

5.6.1 Originator Customer Party

5.6.1.1 General benefits

Better service (faster response time). The turnaround time should ideally be within minutes, in order to give proper feedback about the order to the client.

5.6.2 Buyer Customer Party

5.6.2.1 Check order response against ordered

At the time the Buyer Customer Party receives the order response it automatically triggers the following:

- An automated check for rejection code
- An automated check against ordered

5.6.3 Seller Supplier Party

5.6.3.1 Automated order handling

The whole process should be automated and optimized.

5.6.3.2 General benefits.

The benefits for the Seller Supplier Party are actually tied together with the automated invoice matching process at the Accounting Customer Party. This should ensure a faster turnaround time from delivery of goods to the payment is received.

5.6.4 Accounting Customer Party

5.6.4.1 Invoice matching

The whole process should be reengineered and automated to the highest possible degree.

5.7 Examples

The XML example instance documents are provided as standalone XML files outside this document.

5.7.1 Example 5.1

Hans Clientsen consults his doctor (Lene Doctorsen) who orders him some medicine. Hans wants the medicine delivered at the nearest pharmacy. This means that the following steps are performed:

1. Lene finds the medicine in her electronic catalogue.
2. Lene asks Hans what pharmacy he wants to use.
3. Lene makes an electronic order and sends it to the pharmacy.
4. Helene at the pharmacy verifies the order and sends an order response (simple) back to Lene.
5. Lene checks the response code and matches the order response against the order.
6. Hans gets the medicine and pays his share.
7. Helene registers the share to the social security so that it will be part of the next invoice to Københavns Amt.

In the following tables you will find the business objects that are considered important to this example.

Order:

COMORG_03_03_00_Order_v2p1.xml

5.7.1.1 Order

Class	Field	Attribute	Value	Note ⁸
	UBLVersionID		2.0	
	CustomizationID		OIOUBL-2.01	
	ProfileID		Procurement-OrdSimR-BilSim-1.0	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:profileid-1.1	
	ID		5002701	
	CopyIndicator		false	
	UUID		9756b468-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-01	
	DocumentCurrencyCode		DKK	
BuyerCustomerParty				

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OIOUBL Complex Organizations Procurement Cycle

Party			
	EndpointID		DK40416604
		schemeID	DK:CVR
PartyIdentification			
	ID		DK40416604
		schemeID	DK:CVR
PartyName			
	Name		Ordrup Lægehus
PostalAddress			
	AddressFormatCode		StructuredDK
		listAgencyID	320
		listID	urn:oioubl:codelist:addressformatcode-1.1
	StreetName		Ordrupvej
	BuildingNumber		10
	CityName		Charlottenlund
	PostalZone		2920
Country			
	IdentificationCode		DK
PartyLegalEntity			
	RegistrationName		Ordrup Lægehus
	CompanyID		DK40416604
		schemeID	DK:CVR
Contact			
	ID		7778
	Name		Lene Doctorsen
	Telephone		26532147
	ElectronicMail		lene@olh.dk
SellerSupplierParty			
Party			
	EndpointID		DK16356707
		schemeID	DK:CVR
PartyIdentification			
	ID		DK16356707
		schemeID	DK:CVR
PartyName			
	Name		Ordrup Apotek
PostalAddress			
	AddressFormatCode		StructuredDK
		listAgencyID	320
		listID	urn:oioubl:codelist:addressformatcode-1.1
	StreetName		Ordrupvej
	BuildingNumber		111
	CityName		Charlottenlund

OIOUBL Complex Organizations Procurement Cycle

	PostalZone		2620	
Country				
	IdentificationCode		DK	
Contact				
	ID		23456	
	Name		Helene Apoteksen	
	Telephone		15812337	
	ElectronicMail		Helene@oak.dk	
OriginatorCustomerParty				
Party				
	EndpointID		1807670000	
		schemeID	DK:CPR	
PartyIdentification				
	ID		1807670000	
		schemeID	DK:CPR	
PartyName				
	Name		Hans Clientsen	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Fredericiavej	
	BuildingNumber		11	
	CityName		Charlottenlund	
	PostalZone		2620	
Country				
	IdentificationCode		DK	
Contact				
	ID		23	
	Name		Hans Clientsen	
	Telephone		15812337	
Delivery				
RequestedDeliveryPeriod				
	StartDate		2005-11-15	
	EndDate		2005-11-15	
TaxTotal				
	TaxAmount		1262.50	
		currencyID	DKK	
TaxSubtotal				
	TaxableAmount		5050.00	
		currencyID	DKK	
	TaxAmount		1262.50	
		currencyID	DKK	

OIOUBL Complex Organizations Procurement Cycle

TaxCategory			
	ID		StandardRated
		schemeAgencyID	320
		schemeID	urn:oioubl:id:taxcategoryid-1.1
	Percent		25
TaxScheme			
	ID		63
		schemeAgencyID	320
		schemeID	urn:oioubl:id:taxschemeid-1.1
	Name		Moms
AnticipatedMonetaryTotal			
	LineExtensionAmount		5050.00
		currencyID	DKK
	TaxExclusiveAmount		1262.50
		currencyID	DKK
	TaxInclusiveAmount		6312.50
		currencyID	DKK
	PayableAmount		6312.50
		currencyID	DKK

5.7.1.2 OrderLine

Class	Field	Attribute	Value	Note
LineItem				
	ID		1	
	Quantity		1.00	
		unitCode	EA	
	LineExtensionAmount		5000.00	
		currencyID	DKK	
Price				
	PriceAmount		5000.00	
		currencyID	DKK	
	BaseQuantity		1	
		unitCode	EA	
	OrderableUnitFactorRate		1	
Item				
	Description		Medicin 1	
	Name		Medicin 1	
SellersItemIdentification				
	ID		5712345780121	
		schemeAgencyID	9	
		schemeID	GTIN	
ClassifiedTaxCategory				

OIOUBL Complex Organizations Procurement Cycle

	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxcategoryid-1.1	
	Percent		25	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxschemeid-1.1	
	Name		Moms	

5.7.1.3 OrderLine

Class	Field	Attribute	Value	Note
LineItem				
	ID		2	
	Quantity		2.00	
		unitCode	EA	
	LineExtensionAmount		50.00	
		currencyID	DKK	
Price				
	PriceAmount		25.00	
		currencyID	DKK	
	BaseQuantity		1	
		unitCode	EA	
	OrderableUnitFactorRate		1	
Item				
	Description		Medicin 2	
	Name		Medicin 2	
SellersItemIdentification				
	ID		5712345780111	
		schemeAgencyID	9	
		schemeID	GTIN	
ClassifiedTaxCategory				
	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxcategoryid-1.1	
	Percent		25	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxschemeid-1.1	
	Name		Moms	

OIOUBL Complex Organizations Procurement Cycle

OrderResponseSimple:

COMORG_03_03_00_OrderResponseSimple_v2p1.xml

5.7.1.4 OrderResponseSimple

Class	Field	Attribute	Value	Note ⁹
	UBLVersionID		2.0	
	CustomizationID		OIOUBL-2.01	
	ProfileID		Procurement-OrdSimR-BilSim-1.0	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:profileid-1.1	
	ID		65830	
	CopyIndicator		false	
	UUID		9756b4ac-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-02	
	AcceptedIndicator		true	
OrderReference				
	ID		5002701	
	UUID		9756b468-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-01	
SellerSupplierParty				
Party				
	EndpointID		DK16356707	
		schemeID	DK:CVR	
PartyIdentification				
	ID		DK16356707	
		schemeID	DK:CVR	
PartyName				
	Name		Ordrup Apotek	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Leverandørvej	
	BuildingNumber		11	
	CityName		Dyssegård	
	PostalZone		2870	
Country				
	IdentificationCode		DK	
PartyLegalEntity				
	RegistrationName		Ordrup Apotek	

OIOUBL Complex Organizations Procurement Cycle

	CompanyID		DK16356707
		schemelD	DK:CVR
Contact			
	ID		23456
	Name		Hugo Jensen
	Telephone		15812337
	ElectronicMail		Hugo@tavl.dk
BuyerCustomerParty			
Party			
	EndpointID		DK40416604
		schemelD	DK:CVR
PartyIdentification			
	ID		DK40416604
		schemelD	DK:CVR
PartyName			
	Name		Ordrup Lægehus
PostalAddress			
	AddressFormatCode		StructuredDK
		listAgencyID	320
		listID	urn:oioubl:codelist:addressformatcode-1.1
	StreetName		Ordrupvej
	BuildingNumber		10
	CityName		Charlottenlund
	PostalZone		2920
Country			
	IdentificationCode		DK
PartyLegalEntity			
	RegistrationName		Ordrup Lægehus
	CompanyID		DK40416604
		schemelD	DK:CVR
Contact			
	ID		7778
	Name		Lene Doctorsen
	Telephone		26532147
	ElectronicMail		lene@olh.dk

Invoice:

COMORG_03_03_00_Invoice_v2p1.xml

OIOUBL Complex Organizations Procurement Cycle

5.7.1.5 Invoice

Class	Field	Attribute	Value	Note ¹⁰
	UBLVersionID		2.0	
	CustomizationID		OIOUBL-2.01	
	ProfileID		Procurement-OrdSimR-BilSim-1.0	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:profileid-1.1	
	ID		A00095678	
	CopyIndicator		false	
	UUID		9756b4d0-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-20	
	InvoiceTypeCode		380	
		listAgencyID	320	
		listID	urn:oioubl:codelist:invoicetypecode-1.1	
	DocumentCurrencyCode		DKK	
OrderReference				
	ID		5002701	
	UUID		9756b468-8815-1029-857a-e388fe63f399	
	IssueDate		2005-11-01	
AccountingSupplierParty				
Party				
	EndpointID		DK16356707	
		schemeID	DK:CVR	
PartyIdentification				
	ID		DK16356707	
		schemeID	DK:CVR	
PartyName				
	Name		Ordrup Apotek	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Ordrupvej	
	BuildingNumber		111	
	CityName		Charlottenlund	
	PostalZone		2620	
Country				
	IdentificationCode		DK	
PartyTaxScheme				
	CompanyID		DK16356707	

OIOUBL Complex Organizations Procurement Cycle

		schemeID	DK:SE	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxschemeid-1.1	
	Name		Moms	
PartyLegalEntity				
	RegistrationName		Ordrup Apotek	
	CompanyID		DK16356707	
		schemeID	DK:CVR	
Contact				
	ID		23456	
	Name		Helene Apoteksen	
	Telephone		15812337	
	ElectronicMail		Helene@oak.dk	
AccountingCustomerParty				
Party				
	EndpointID		DK40416604	
		schemeID	DK:CVR	
PartyIdentification				
	ID		DK40416604	
		schemeID	DK:CVR	
PartyName				
	Name		Ordrup Lægehus	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Ordrupvej	
	BuildingNumber		10	
	CityName		Charlottenlund	
	PostalZone		2920	
Country				
	IdentificationCode		DK	
PartyLegalEntity				
	RegistrationName		Ordrup Lægehus	
	CompanyID		DK40416604	
		schemeID	DK:CVR	
Contact				
	ID		7778	
	Name		Lene Doctorsen	
	Telephone		26532147	
	ElectronicMail		lene@olh.dk	

OIOUBL Complex Organizations Procurement Cycle

BuyerCustomerParty			
Party			
	EndpointID		1807670000
		schemeID	DK:CPR
PartyIdentification			
	ID		1807670000
		schemeID	DK:CPR
PartyName			
	Name		Hans Clientsen
PostalAddress			
	AddressFormatCode		StructuredDK
		listAgencyID	320
		listID	urn:oioubl:codelist:addressformatcode-1.1
	StreetName		Fredericiavej
	BuildingNumber		11
	CityName		Charlottenlund
	PostalZone		2620
Country			
	IdentificationCode		DK
Contact			
	ID		23
	Name		Hans Clientsen
	Telephone		15812337
PaymentMeans			
	ID		1
	PaymentMeansCode		42
	PaymentDueDate		2005-11-25
	PaymentChannelCode		DK:BANK
		listAgencyID	320
		listID	urn:oioubl:codelist:paymentchannelcode-1.1
PayeeFinancialAccount			
	ID		1234567890
	PaymentNote		A00095678
FinancialInstitutionBranch			
	ID		1234
PaymentTerms			
	ID		1
	PaymentMeansID		1
	Amount		6312.50
		currencyID	DKK
TaxTotal			
	TaxAmount		1262.50
		currencyID	DKK

OIOUBL Complex Organizations Procurement Cycle

TaxSubtotal				
	TaxableAmount		5050.00	
		currencyID	DKK	
	TaxAmount		1262.50	
		currencyID	DKK	
TaxCategory				
	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxcategoryid-1.1	
	Percent		25	
TaxScheme				
	ID		63	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxschemeid-1.1	
	Name		Moms	
LegalMonetaryTotal				
	LineExtensionAmount		5050.00	
		currencyID	DKK	
	TaxExclusiveAmount		1262.50	
		currencyID	DKK	
	TaxInclusiveAmount		6312.50	
		currencyID	DKK	
	PayableAmount		6312.50	
		currencyID	DKK	

5.7.1.6 InvoiceLine

Class	Field	Attribute	Value	Note
	ID		1	
	InvoicedQuantity		1.00	
		unitCode	EA	
	LineExtensionAmount		5000.00	
		currencyID	DKK	
OrderLineReference				
	LineID		1	
Delivery				
DeliveryLocation				
Address				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Ordrupvej	
	BuildingNumber		10	

OIOUBL Complex Organizations Procurement Cycle

	CityName		Charlottenlund	
	PostalZone		2920	
Country				
	IdentificationCode		DK	
Despatch				
DespatchParty				
	EndpointID		1807670000	
		schemeAgencyID	320	
		schemeID	DK:CPR	
PartyIdentification				
	ID		1807670000	
		schemeAgencyID	320	
		schemeID	DK:CPR	
PartyName				
	Name		Hans Clientsen	
PostalAddress				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Fredericiavej	
	BuildingNumber		11	
	CityName		Charlottenlund	
	PostalZone		2620	
Country				
	IdentificationCode		DK	
Contact				
	Name		Hans Clientsen	
	Telephone		15812337	
TaxTotal				
	TaxAmount		1250.00	
		currencyID	DKK	
TaxSubtotal				
	TaxableAmount		5000.00	
		currencyID	DKK	
	TaxAmount		1250.00	
		currencyID	DKK	
TaxCategory				
	ID		StandardRated	
		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxcategoryid-1.1	
	Percent		25	
TaxScheme				
	ID		63	

OIOUBL Complex Organizations Procurement Cycle

		schemeAgencyID	320	
		schemeID	urn:oioubl:id:taxschemeid-1.1	
	Name		Moms	
Item				
	Description		Medicin 1	
	Name		Medicin 1	
SellersItemIdentification				
	ID		5712345780121	
		schemeAgencyID	9	
		schemeID	GTIN	
Price				
	PriceAmount		5000.00	
		currencyID	DKK	
	BaseQuantity		1	
		unitCode	EA	
	OrderableUnitFactorRate		1	

5.7.1.7 InvoiceLine

Class	Field	Attribute	Value	Note
	ID		2	
	InvoicedQuantity		2.00	
		unitCode	EA	
	LineExtensionAmount		50.00	
		currencyID	DKK	
OrderLineReference				
	LineID		2	
Delivery				
DeliveryLocation				
Address				
	AddressFormatCode		StructuredDK	
		listAgencyID	320	
		listID	urn:oioubl:codelist:addressformatcode-1.1	
	StreetName		Ordrupvej	
	BuildingNumber		10	
	CityName		Charlottenlund	
	PostalZone		2920	
Country				
	IdentificationCode		DK	
Despatch				
DespatchParty				
	EndpointID		1807670000	
		schemeAgencyID	320	
		schemeID	DK:CPR	

OIOUBL Complex Organizations Procurement Cycle

PartyIdentification			
	ID		1807670000
		schemeAgencyID	320
		schemeID	DK:CPR
PartyName			
	Name		Hans Clientsen
PostalAddress			
	AddressFormatCode		StructuredDK
		listAgencyID	320
		listID	urn:oioubl:codelist:addressformatcode-1.1
	StreetName		Fredericiavej
	BuildingNumber		11
	CityName		Charlottenlund
	PostalZone		2620
Country			
	IdentificationCode		DK
Contact			
	Name		Hans Clientsen
	Telephone		15812337
TaxTotal			
	TaxAmount		12.50
		currencyID	DKK
TaxSubtotal			
	TaxableAmount		50.00
		currencyID	DKK
	TaxAmount		12.50
		currencyID	DKK
TaxCategory			
	ID		StandardRated
		schemeAgencyID	320
		schemeID	urn:oioubl:id:taxcategoryid-1.1
	Percent		25
TaxScheme			
	ID		63
		schemeAgencyID	320
		schemeID	urn:oioubl:id:taxschemeid-1.1
	Name		Moms
Item			
	Description		Medicin 2
	Name		Medicin 2
SellersItemIdentification			
	ID		5712345780121
		schemeAgencyID	9

OIOUBL Complex Organizations Procurement Cycle

		schemeID	GTIN	
Price				
	PriceAmount		25.00	
		currencyID	DKK	
	BaseQuantity		1	
		unitCode	EA	
	OrderableUnitFactorRate		1	

The corresponding example instance files are provided as:

- COMORG_03_03_00_Order_v2p1.xml
- COMORG_03_03_00_OrderResponseSimple_v2p1.xml
- COMORG_03_03_00_Invoice_v2p1.xml