

Common platform for e-procurement

NES

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International co-operation

NES

- Co-operation between a group of countries and organisations
 - **Denmark**
 - *Danish Ministry of Science, Technology and Innovation (VTU),*
 - *Danish IT and Telecom Agency (ITST)*
 - **Sweden**
 - *Single Face To Industry (SFTI), the public sector initiative in Sweden to promote e-business by the Swedish National Financial Management Authority (ESV), Swedish Association of Local Authorities and Regions (Sveriges Kommuner och Landsting), and Swedish Administrative Development Agency (Verva)*
 - **Norway**
 - *Norwegian Ministry of Government Administration and Reform eProcurement Secretariat (www.ehandel.no)*
 - *NorStella / e2b Forum (an e-invoicing initiative in the private sector supported by the government - www.e2b.no).*
 - **Finland**
 - *State Treasury*
 - *Tieke Finnish Information Society Development Centre*
 - **England**
 - *OGC buying solutions under Office of Government Commerce*
 - **Iceland**
 - *The Financial Management Authority (Fjárfýsla Ríkisins).*
 - *Iceland Committee on e-business and Trade Procedures" ICEPRO*
- To facilitating practical use of electronic collaboration based on available international standards
- Focusing on basic e-procurement functions



- The purpose of NES is to
 - *facilitate interoperability and practical use of e-procurement both in domestic and cross border trade*
 - Even if the participants in the working group are mainly from the public sector, the group will try to include both business-to-business and business-to-government e-commerce/e-procurement in its work.
 - *facilitate harmonisation of different types of e-procurement documents*
 - This provides an opportunity to base e-procurement documents and processes on a coordinated Northern European subset.
 - *contribute to the development and use of an international standard for e-procurement*

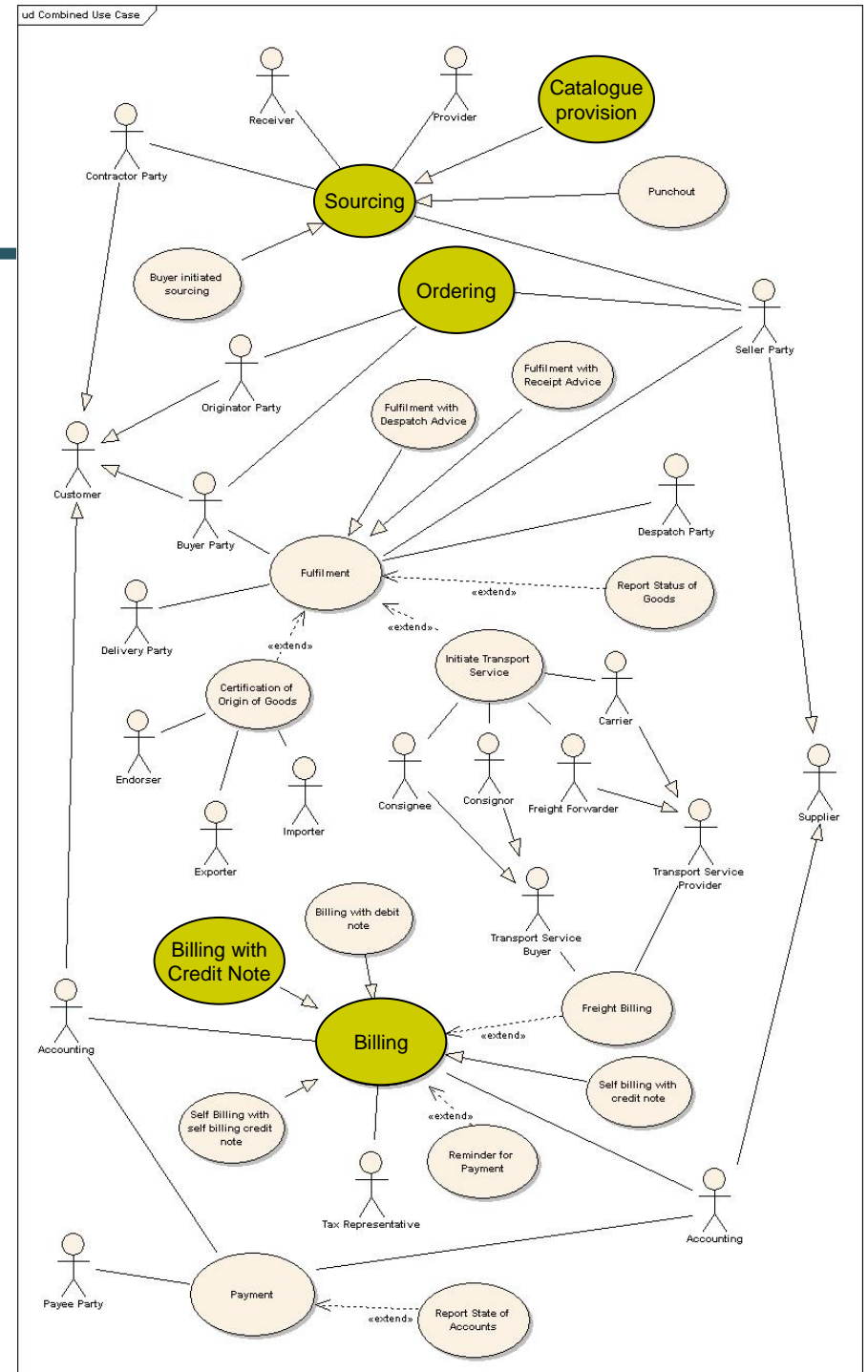
... based on international standards **NES**

- NES identified UBL as a free and open format, which at the time when NES was started presented the greatest potential for realizing large-scale e-commerce both in a domestic and a cross-border trade
- UBL is an open and freely available library of XML documents for e-commerce
 - *Version 1 was released as an OASIS standard in May 2004*
 - *Version 2 was released as an OASIS standard in December 2006*
 - 31 business documents covering an extended e-procurement process and transport
 - Based on ebXML Core Components - ISO 15000-5
- Furthermore NES recognises the importance of the standardisation work in progress within UN/CEFACT and are actively working for the adoption of the UBL-specifications in the UN/CEFACT framework

NES supports and is committed to the ongoing convergence between UBL and UN/CEFACT

Business processes supported by UBL

- UBL 2.0 extends the order-to-invoice processes of UBL 1.0 to cover a supply chain from sourcing to payment, including the commercial collaborations of international trade.
- NES provides support for the basic e-procurement functions



Use of UBL 2.0 Business Documents

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- **Application Response**
- Attached Document
- Bill of Lading
- **Catalogue**
- Catalogue Deletion
- **Catalogue Item Specification Update**
- **Catalogue Pricing Update**
- Catalogue Request
- Certificate of Origin
- **Credit Note**
- Debit Note
- Despatch Advice
- Forwarding Instructions
- Freight Invoice
- **Invoice**
- **Order**
- Order Cancellation
- Order Change
- Order Response
- **Order Response Simple**
- Packing List
- Quotation
- Receipt Advice
- Reminder
- Remittance Advice
- Request For Quotation
- Self Billed Credit Note
- Self Billed Invoice
- **Statement**
- Transportation Status
- Waybill

Used by both NES and OIOUBL - Used by OIOUBL

e-procurement is more than just exchange of messages

NES

- **Business processes and scenarios**
based on a common application of UBL applicable for both domestic and cross border trade
- **Business rules and recommendations**
for the use of the UBL XML documents
- **A common subset** of the UBL XML documents reflecting the needs expressed in the business rules
- **Formal rules for validation** of the business rules expressed as Schematron
- **General guidelines and code lists** for the use of UBL

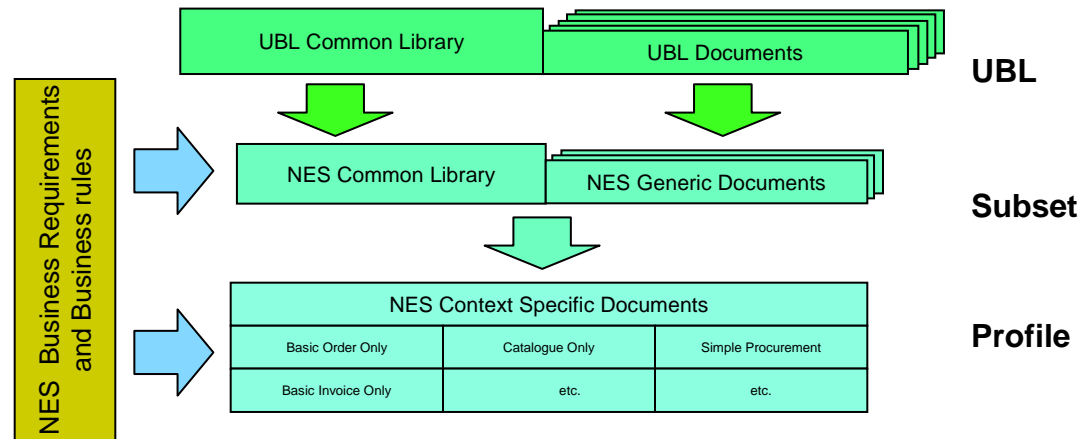
Business Process
& scenarios
Business Rules
Business Content

Syntax implementation
based on UBL 2.0

Guidelines
&
Code lists

NES deliverables

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- Profile Definition Normative
- Profiled Message Definition Normative
- Guidelines Normative
- Code lists Normative

- Validation tools
 - *Restricted XML schema* *Informative*
 - *Schematron* *Informative*

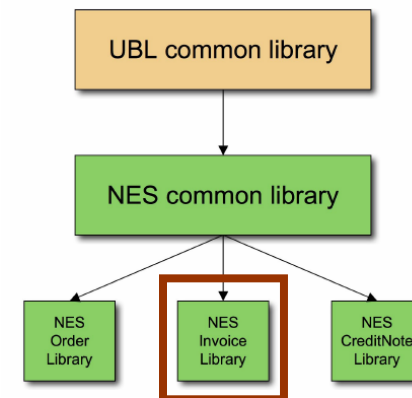
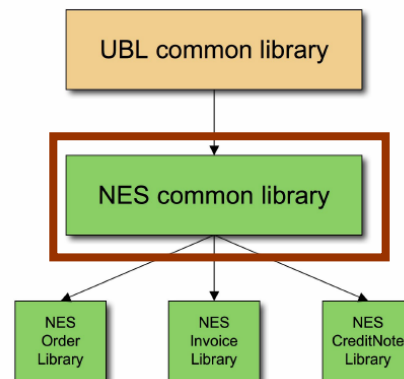
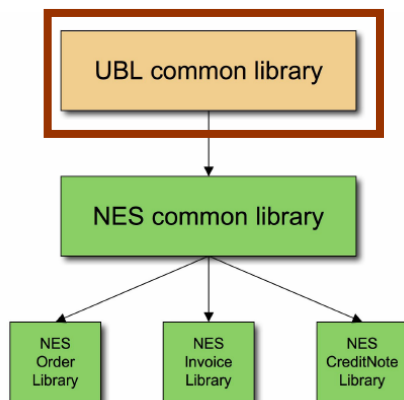
Consistent content based on levels of restriction

NES

- [-] C Delivery, Details
 - + [A] Delivery, Identifier
 - + [A] Delivery, Quantity
 - + [A] Delivery, Minimum_Quantity, Quantity
 - + [A] Delivery, Maximum_Quantity, Quantity
 - + [A] Delivery, Actual_Delivery Date, Date
 - + [A] Delivery, Actual_Delivery Time, Time
 - + [A] Delivery, Latest_Delivery Date, Date
 - + [A] Delivery, Latest_Delivery Time, Time
 - + [A] Delivery, Tracking Identifier, Identifier
 - + [C] Delivery, Delivery_Address, Address
 - + [C] Delivery, Delivery_Location, Location
 - + [C] Delivery, Requested Delivery_Period, Period
 - + [C] Delivery, Promised Delivery_Period, Period
 - + [C] Delivery, Estimated Delivery_Period, Period
 - + [C] Delivery, Delivery_Party, Party
 - + [C] Delivery, Despatch

- [-] C Delivery, Details
 - + [A] Delivery, Identifier
 - + [A] Delivery, Quantity
 - + [X] Delivery, Minimum_Quantity, Quantity
 - + [X] Delivery, Maximum_Quantity, Quantity
 - + [A] Delivery, Actual_Delivery Date, Date
 - + [A] Delivery, Actual_Delivery Time, Time
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 - + [A] Delivery, Latest_Delivery Time, Time
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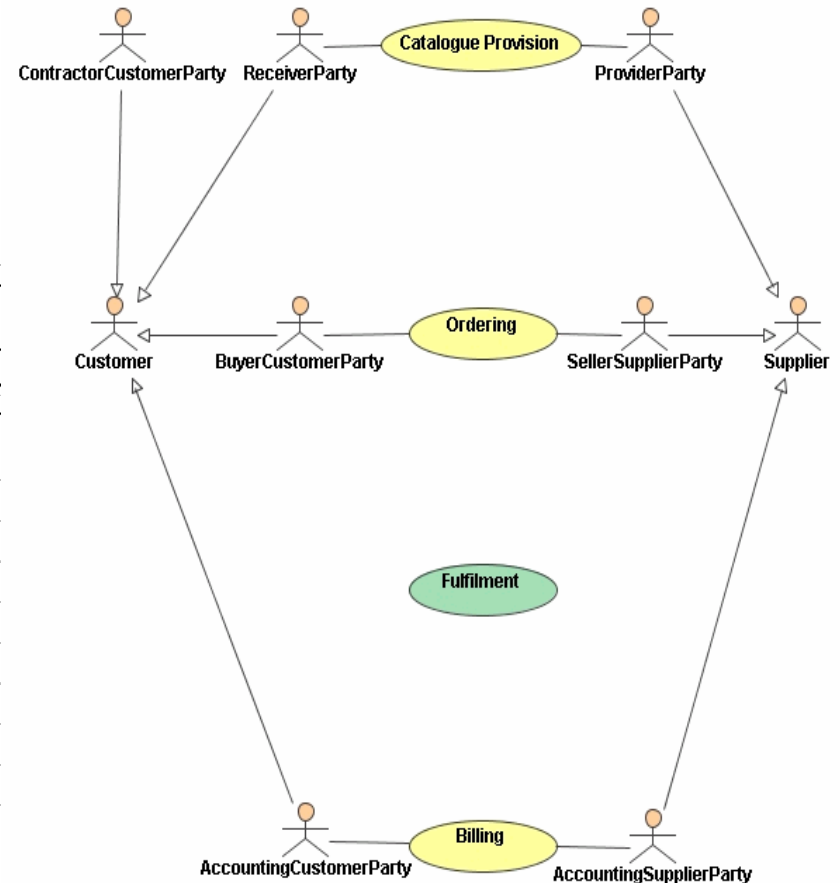
- A description of one or more related **business processes** supported by the exchange of a defined set of electronic **business documents** in order to fulfil a defined **business purpose** under a defined set of **business rules**.
 - *Two profiles may contain the same messages, but with different content and/or business rules*
 - *The receiver of a “NES message” need to identify the relevant Profile before applying validation and processing of the message content.*
- The NES profiles are
 - *designed to support cross country and domestic trade*
 - *based on legal/fiscal requirements and agreed best practices*
- Each NES profile should be recognised as an independent implementation

Profiles in NES phase 1

NES

- Supporting basic e-procurement functions
- Deliverables were published for public review at the end of December 2006
- **First release in March 2007**

NES Profile	Catalogue	Catalogue Item Update	Catalogue Price Update	Order	Order Response Simple	Invoice	Credit Note	Application
Catalogue Only	X							X
Catalogue with updates	X	X	X					X
Basic Order Only				X				
Basic Invoice Only						X		
Basic Billing						X	X	
Basic Billing with dispute						X	X	X
Basic Procurement				X	X	X	X	
Simple Procurement				X	X	X	X	X



Why these profiles?

- They are simple and straight-forward
- They address key issues related to procurement control, especially in decentralised organisations
- Procurement systems are used more and more
 - *To show framework contracts, and to guide buyers to buy from them*
 - *To register requisitions, and to obtain advance attestation*
 - *Register delivery*
 - *And to automatically reconcile invoices*
- That is
 - *Buying against catalogue is common*
- But also invoices outside such control have to be dealt with, e.g. in a workflow type of system
- We try to have a migration path ready for those who wish to move more transactions into procurement systems

The "must understand" principle

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- Conformance to NES is measured against profiles
- Any party claiming conformance to a NES profile is expected to:
 - *Support all of the functions and business rules described for that profile*
 - *Be able to send and receive all of the messages defined by the profile*
 - *Be able to understand all of the elements, mandatory or optional, in the Profiled Message Definitions*
- The intent is to facilitate interoperability with limited or no additional agreements

- A community
 - *Strong public sector commitment in Nordic countries*
 - *OIOXML → OIOUBL*
 - *UBL*
- A harmonized specification covering the full procurement process
- Prepared for cross border trade
- Reduced need for bilateral agreements
 - *But give possibility to agree on extensions if needed*
- Real-time validation tools
- Open and free standards

For documents and other information
see <http://www.nesubl.eu/>

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