



Profile 1  
Catalogue Only

Version 2.0



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## NES PROFILE

### Catalogue Only

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## NES PROFILE

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#### 1 profile ID

urn:www.nesubl.eu:profiles:profile1:ver2.0

#### 2 context

This profile applies to:

- all NES countries
- Customer and Supplier organisations of all sizes
- Customer and Supplier organisations in all sectors, public and private
- all types of goods and services

#### 3 summary

Subject:

- Catalogue provision
- Catalogue update; Item specification and pricing information
- Catalogue acceptance and rejection

Exclusions:

- tendering
- Item Specification Update only i.e. without pricing
- Pricing Update only i.e. without Item Specification

Requirements:

- the Catalogue may only apply to one Customer or all Customers
- the Catalogue must contain all information necessary for its use
- Catalogue acceptance and rejection applies to the whole document

Aims:

- systemised provision of Item and pricing information
- reduced errors in Ordering and Invoicing

#### 4 description

This profile describes a process comprising only an electronic Catalogue. It allows a Supplier (or third party acting on a Supplier's behalf – Provider) to send a Customer (or third party acting on a Customer's behalf – Receiver) describing Items (goods or services) available for purchase.



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This profile allows the Catalogue document to update an existing Catalogue by replacing entire Catalogue Lines. In this case, the Catalogue document will contain only the Catalogue Lines that are to be added, deleted and/or updated. To facilitate this usage, the Catalogue Line contains an action code describing how the recipient should process the Catalogue Line.

Note: if updates of Item specification and Item pricing information are required in isolation from each other, refer to NES Profile 2:

urn:www.nesubl.eu:profiles:profile2:ver2.0

If a contract between the Customer and the Supplier exists, its terms overrule those stated in the Catalogue.

This process is intended to result in acceptance or rejection of the Catalogue in full by the use of a business level Application Response.

Documents included in this profile:

- Catalogue
- Application Response

## 5 profile scenarios

1. accepted Catalogue
2. rejected Catalogue

## 6 business requirements

1. the Provider sends an electronic Catalogue that can be received and processed by the Receiver
2. the Catalogue must contain all information necessary for its use i.e. it shall not rely on the availability of external references such as a centralised repository of Item information
3. the Catalogue must support:
  - integrity, authentication and auditing of information content
  - Item price comparison
  - specification of:
    - a. Item components
    - b. Item accessories
    - c. required (additional) Items
    - d. replacement Items
    - e. complementary Items
  - seasonal pricing of the same Item by specifying different

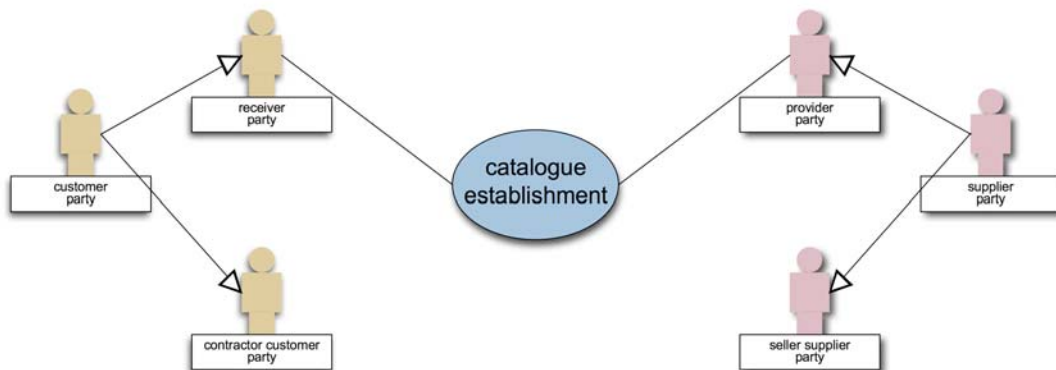
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- prices depending on specific validity periods
- specification of the type of tax applicable to an Item in a specific location
- identification of Items by specification of their attributes and dimensions
- identification of Item instances

### 7 business benefits

aspect	beneficiary	benefit
systemised content	Customer	<ul style="list-style-type: none"> <li>• quick and easy comparison of Items from different Suppliers</li> <li>• simple storage and automated maintenance of Item information</li> <li>• correct identification and pricing of Items in the Ordering process (reduced errors)</li> </ul>
Customer relations	Supplier	<ul style="list-style-type: none"> <li>• provision of tailored Item and price information</li> <li>• correct identification and pricing of Items in the Ordering process (reduced errors)</li> </ul>

### 8 use case diagram





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#### 9 actors involved in the process

party	role	comments
<i>Supplier</i>	Provider	<p>The Party providing the Catalogue.</p> <p>The Provider Party can be the Supplier or a third party managing the Catalogue on the Supplier's behalf.</p>
<i>Customer</i>	Receiver	<p>The Party receiving the Catalogue.</p> <p>The Receiver Party can be the Customer or, for example, a portal or marketplace hosting or managing the Catalogue on the Customer's behalf.</p>
Customer	Contractor	<p>The Party responsible for the contract to which the Catalogue relates.</p> <p>If the Receiver Party is not the party eventually buying the Items in the Catalogue, it is possible to specify Contractor Customer Party.</p> <p>If the Catalogue is not available to all Customers, a specific Contractor Customer Party must be specified at Catalogue document level only i.e. the Catalogue cannot apply to a group of Customers.</p> <p>Also known as Purchasing Manager.</p>
Supplier	Seller	<p>The Party responsible for handling Buyer services.</p> <p>If the Provider Party is not the seller of the products, it is possible to specify Seller Supplier Party.</p> <p>The Seller Supplier Party may be specified at either Catalogue document level (single Supplier Catalogue) or at Catalogue Line level (multi Supplier Catalogue).</p> <p>The Seller Supplier Party is legally responsible for providing the goods and services to the Customer.</p> <p>Also known as Sales Point or Customer Manager.</p>



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#### 10 process parameters

##### business rules

- |                |   |
|----------------|---|
| document level | <ol style="list-style-type: none"><li>1. prices expressed in a Catalogue must apply to one specific Customer or to all Customers (a general Catalogue)</li><li>2. a Catalogue without a stated validity period is assumed to have unlimited validity</li><li>3. acceptance and rejection apply to the entire Catalogue (including additions, updates and deletions)</li></ol>   |
| line level     | <ol style="list-style-type: none"><li>1. all Catalogue Lines must contain an Item (goods or service) with an identifier</li><li>2. all Catalogue Lines must contain an action code specifying whether the recipient should 'add', 'update' or 'delete' the Catalogue Line; on initial transmission, all Catalogue Lines should be set to 'add'</li><li>3. all Items must have an order unit and a price per unit</li><li>4. although Items may be classified by a number of schemes, one of the Item classifiers must be UN/SPSC for all Items; UNSPSC is the United Nations Standard Products and Services Code; a hierarchical classification system for goods and services managed by GS1 US, formerly the Uniform Code Council (UCC)</li><li>5. hazardous Item information must be provided if the Item is indicated as being hazardous</li></ol> |

##### exceptions

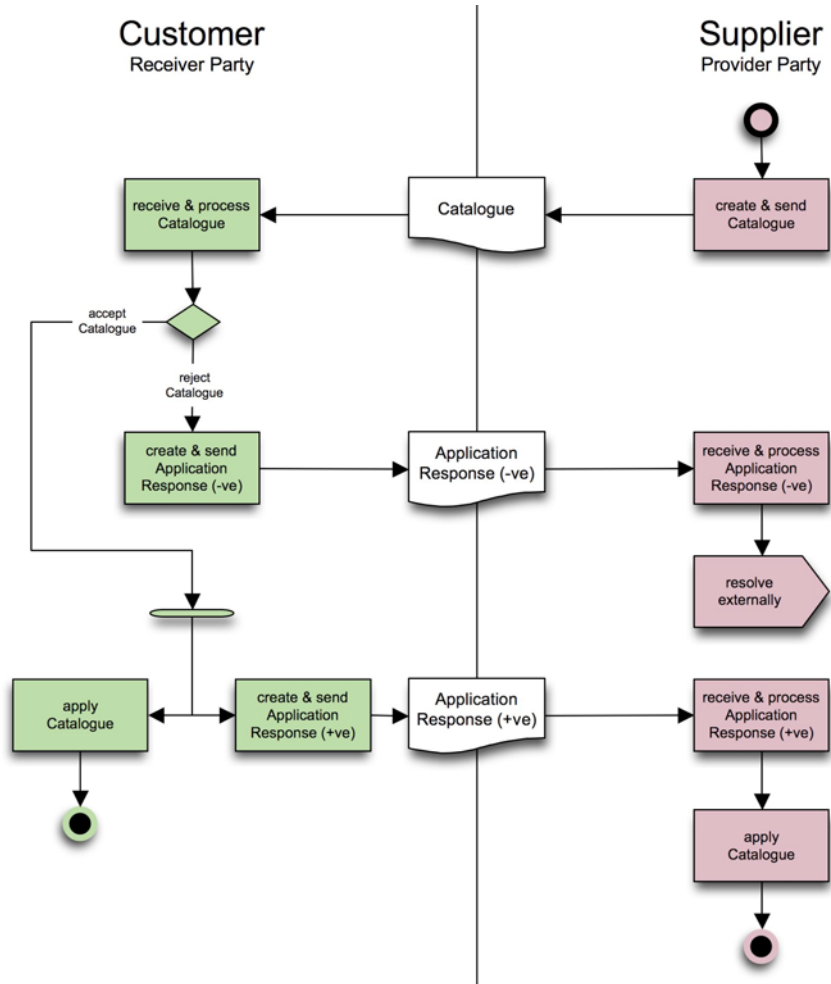
1. electronic tendering is out of scope of this profile
2. Catalogue negotiation, request and deletion processes are external
3. the Catalogue cannot be used to express different prices for a specific group of Customers
4. maintenance of historical information regarding updated Items is out of scope of the Catalogue document

##### pre-conditions

1. the Provider and the Receiver have identified each other
2. the Receiver has agreed to accept electronic Catalogues and send Application Responses that use the profile

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### 11 activity diagram



### 12 activity description

role/party	activity	description
Provider <i>Supplier</i>	create and send Catalogue	Provider Party creates and sends a Catalogue to Receiver Party.
Receiver <i>Customer</i>	receive and process Catalogue	Receiver Party receives and processes the Catalogue.
Receiver <i>Customer</i>	accept or reject Catalogue	Receiver Party accepts or rejects the Catalogue in full.





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#### 12 activity description

role/party	activity	description
Receiver <i>Customer</i>	accept Catalogue  send Application Response	Business level acceptance results in Receiver's sending Provider a positive Application Response.
Receiver <i>Customer</i>	apply Catalogue	On sending a positive Application Response, Receiver applies the Catalogue (makes it available for trade).
Provider <i>Supplier</i>	receive and process Application Response	Provider Party receives and processes positive Application Response.
Provider <i>Supplier</i>	apply Catalogue	On receipt of a positive Application Response, Provider applies the Catalogue (makes it available for trade).
Receiver <i>Customer</i>	Reject Catalogue  send Application Response	Business level rejection results in Receiver's sending Provider a negative Application Response.
Provider <i>Supplier</i>	receive and process Application Response	Provider Party receives and processes negative Application Response.
Provider <i>Supplier</i>	resolve externally	On receipt of a negative Application Response, Provider resorts to an external resolution process.

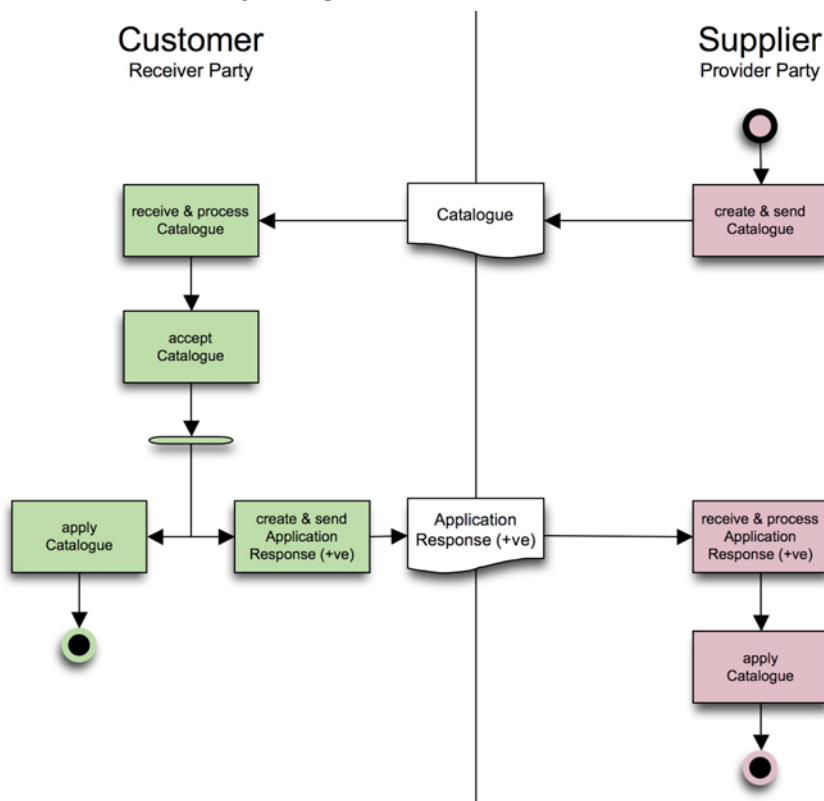
## NES PROFILE Catalogue Only

### 13 scenario 1

**name** accepted Catalogue

**description** In this scenario the Receiver accepts the Catalogue.

#### 13.1 scenario 1 activity diagram



#### 13.2 scenario 1 runtime business rules

1. the Receiver accepts the Catalogue in full and sends a positive Application Response to the Provider

#### 13.3 scenario 1 post-conditions

1. the Catalogue is made available for trade by the Receiver and the Provider (Customer and Supplier)

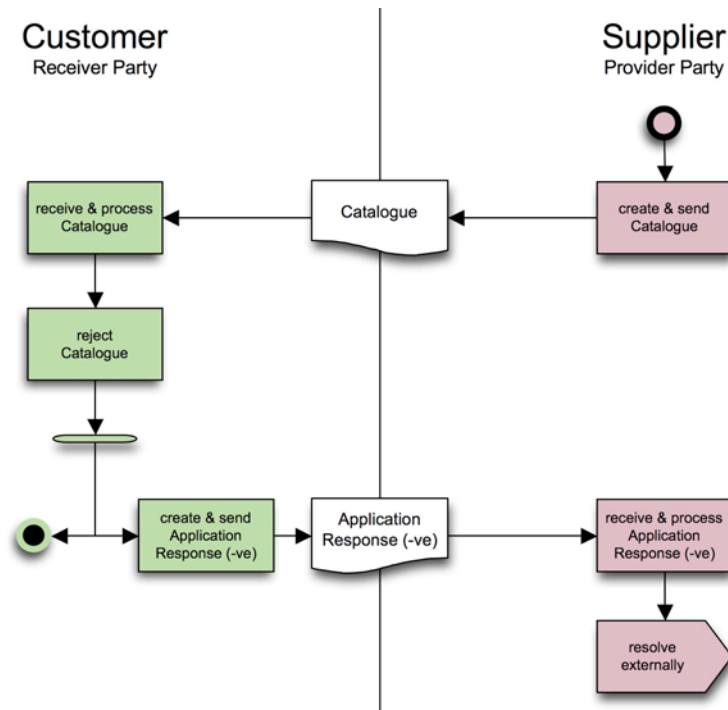
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### 14 scenario 2

**name** rejected Catalogue

**description** In this scenario the Receiver rejects the Catalogue.

#### 14.1 scenario 2 activity diagram



#### 14.2 scenario 2 runtime business rules

1. the Receiver rejects the Catalogue in full and sends a negative Application Response to the Provider

#### 14.3 scenario 2 post-conditions

1. the Catalogue is not made available for trade; resolution is external