



## Guideline



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### PreAward - eCat

### PEPPOL Property Server User Guide

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# PEPPOL PPS User Guide

## 1 Introduction

### 1.1 Purpose

This Software User Guide provides a complete description of all the functions and specifications of the PEPPOL PPS Server.

The expected audience of this document is essentially members of PEPPOL project team and the developers of the system. In a “know how transfer” approach, this document wants to help as well future users in designing, developing and using an on line Product Property DataBase to share and re-use standardized products descriptions.

### 1.2 Scope

It is in scope of this document to describe:

- » A web bases eptos4™ portal to view, use and manage structure elements from eCl@ss as well as own PEPPOL structure elements
- » Web Services to access the product property server's content
- » Customization of content in a multilingual environment

Out of scope are:

- » Defining file export of structure elements and naming templates
- » Defining transaction updates
- » Defining valuations (explicit values for properties, either requested or contained in catalogue) or Ranges are stored in eCatalogue Management Tool and are thus out of scope of the PPS server application

## 1.3 Definitions

### 1.3.1 Assembly

A set of items that have a relationship to each other apart from being members of the same set [ISO 10303-227:2005]

COMMENT

assemblies consist of components and relationships between them

Note

In PPS assemblies are modeled via so called structure templates.

### 1.3.2 Component

an item that may be part of another item [ISO 10303-227:2005]

NOTE1

components can be removed and replaced (cf. ISO6527:1982)

NOTE2

for specific applications, components do get treated as separate items

NOTE3

components provide functionality to their assembly (cf. ISO 18435-1:2009)

EXAMPLE



A laptop, composed of several components, e.g.: CPU, memory, display, storage, ... that can be replaced, e.g. hard disk vs. another hard disk vs. SSD that provide functions, e.g. storage capacity 128 GiB to the laptop

### 1.3.3 Contracting Authority (CA)

State, regional or local authorities, bodies governed by public law, associations formed by one or several of such authorities or one or several of such bodies governed by public law

Source of definition: Procurement Directive 2004/18/EC

Note: under [http://ec.europa.eu/internal\\_market/publicprocurement/authorities\\_en.htm](http://ec.europa.eu/internal_market/publicprocurement/authorities_en.htm) a current list of CAs is available:

### 1.3.4 International registration data identifier (IRDI)

machine tractable code defined in ISO/IEC 11179-5, consisting of parts to hierarchically describe the source of a concept definition (see AS01), a part to identify the type of concept, a unique code and a version number.

Note: There also exists a more human readable representation of parts of the IRDI that is also unique for each type of concept any may be used for display. For examples see subsection on “versioning” below.

### 1.3.5 Versioning

a process of systematically assigning labels to their description variants (so called “Versioning”). The versioning scheme applied for elements (that are identified by a certain code) consists of

- ▶ a numeric label used to distinguish description variants of the same code (so called “version number”) and
- ▶ a numeric label used to distinguish description variants of the same version number (so called “revision number”).

Example:

A description variant of a property named “Length” defined by PEPPOL may be fully identified by e.g.:

**PEPPOL-AAA123-001.002:**

PEPPOL – human readable designation of the originator of the element (“supplier”)

AAA123 – unique code assigned to a certain property

001 – version number

002 – revision number (usually not shown)

Assuming that 1234-1 be the machine tractable code that is assigned by a registration authority identified as 1234 (following ISO 6523) to PEPPOL, the IRDI would look like:

**1234-1#02-AAA123#2:**

1234-1 – denoting PEPPOL

02 – denoting the element is a property

AAA123 – unique code assigned to a certain property

2 – being a version identifier (that might for example denote “version number 1, revision number 2”)

Dictionary Change Management rules (based on ISO 13584-42) are applied to express in terms of versioning the impact of a change to an element through assignment of:

- ▶ a new code: when there is no compatibility retained between the old and the two elements described
- ▶ an increased version number: when the new description variants is upward compatible with the previous description variant
- ▶ an increased revision number: when the new description variant is downward compatible with the previous description variant

## 1.4 Abbreviations

AC – Application Class

CC – Classification Class

PR – Property

SE – Structure Element



VA – Value  
VL – Value List  
UN – Unit of measure  
KW – Keyword  
SY – Synonym  
VT – View Template

## 1.5 References

- [1] MIN of Meeting on 5<sup>th</sup> Aug 2010 at BBG: <https://sp.paradine.at/sites/PEPPOL/PEPPOL-PPS-Consulting/N-Docs/PEPPOL-PPS-Consulting-0005-MIN-SRS-review-2010-08-05.pdf>
- [2] PEPPOL LOGO: [https://sp.paradine.at/sites/PEPPOL/PEPPOL-PPS-Consulting/N-Docs/PEPPOL-PPS-Consulting-0006-PRJ-PEPPOL\\_Logo\\_2010.jpg](https://sp.paradine.at/sites/PEPPOL/PEPPOL-PPS-Consulting/N-Docs/PEPPOL-PPS-Consulting-0006-PRJ-PEPPOL_Logo_2010.jpg)
- [3] PEPPOL CD Manual: [https://sp.paradine.at/sites/PEPPOL/PEPPOL-PPS-Consulting/N-Docs/PEPPOL-PPS-Consulting-0007-PRJ-PEPPOL\\_CD\\_Manual\\_100802.pdf](https://sp.paradine.at/sites/PEPPOL/PEPPOL-PPS-Consulting/N-Docs/PEPPOL-PPS-Consulting-0007-PRJ-PEPPOL_CD_Manual_100802.pdf)
- [4] MIN of Web Meeting on 3<sup>rd</sup> Sep 2010: [https://sp.paradine.at/sites/PEPPOL/PEPPOL-PPS-Consulting/Shared-Documents/PEPPOL-PPS-Consulting-0009-MIN-Minutes-WebEx-100903\\_DRAFT.pdf](https://sp.paradine.at/sites/PEPPOL/PEPPOL-PPS-Consulting/Shared-Documents/PEPPOL-PPS-Consulting-0009-MIN-Minutes-WebEx-100903_DRAFT.pdf)



## 2 Overall Description

### 2.1 Background Information

#### 2.1.1 Big Picture

The objective of the PEPPOL (Pan-European Public eProcurement On-Line) project is to set up a pan European pilot solution that, conjointly with existing national solutions, facilitates EU-wide interoperable public eProcurement. The vision of the PEPPOL project is that any company and in particular SMEs in the EU can communicate electronically with any European governmental institution for the entire procurement process.

The final outcome of PEPPOL will be an interoperational environment build upon national systems and infrastructures supporting the full cycle of eProcurement activities.

The pilots that will be developed in PEPPOL will support any economic operator in the EU and the European Economic Area (EEA) to respond to any published public tender notice electronically and to govern the entire procurement process from their own national infrastructure to any another national infrastructure. Thereby PEPPOL will focus on the engagement and participation of SME companies to public eProcurement.

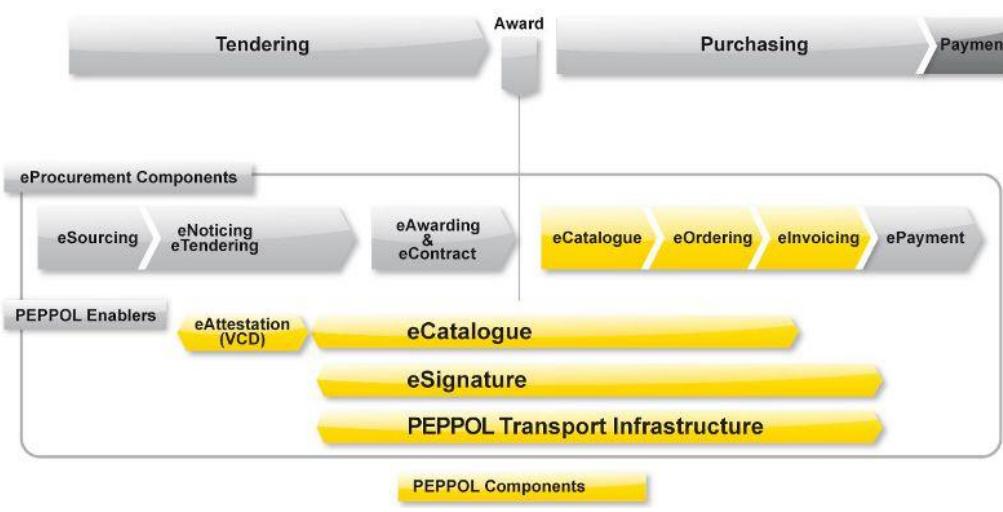


Figure 1:Overview PEPPOL

The broader vision is that any company (incl. SMEs) in the EU can communicate electronically with any EU governmental institution for all procurement processes.

#### 2.1.2 PEPPOL – Workpackage 3 - eCatalogue

(WP3) will define and test solutions to manage eCatalogues to overcome the lack of a standard definition of eCatalogues used in European public procurement procedures that will be used as part of a bid and as a basis for issuing orders. (BB)

WP 3 of PEPPOL project shall define standards for electronic catalogues in public procurement. Currently no standards are available. Any national procurement body has an own way of defining product descriptions for a tender or a catalogue.

European public procurement has two major phases for procurement.

1. Pre Awarding phase

During this phase the procurement organization receives a request from a customer to procure some product or service. The procurement body issues a tender for this product or service. Each tender has to include the Common Procurement Vocabulary (CPV) code. The CPV code is the classification system issued by the EU. After the suppliers have sent their offers the award of the tender is given to the best offer. One (or more) supplier(s) get the award.

2. Post Awarding phase

After the supplier won the award the supplier has to deliver an electronic catalogue of the products to the procurement organization. E.g. in Austria this electronic catalogue will be imported in the eSHOP of the national procurement organization BBG.

The analysis in the PEPPOL project showed that so far there are no standards to describe products systematically in public procurement throughout Europe.

PEPPOL WP3 took a decision to use eCI@ss classification and product descriptions as a basis for several tenders in the pilot phase. Therefore eCI@ss discussed the possibilities to use eCI@ss content within the PEPPOL pilot phase with eCI@ss e.V. Paradine supported those activities and finally PEPPOL signed the MOU with eCI@ss beginning of March 2010.

This MOU includes the right for PEPPOL to use eCI@ss content within the PEPPOL pilot phase free of charge.

In the pilot phase several real tenders shall be processed in the PEPPOL system environment. For selected tenders product descriptions shall be created according to the ISO 13584 data format based on the existing eCI@ss properties and classes.

## 2.2 Business Objects

### 2.2.1 Structure Element

#### 2.2.1.1 Classification Class

class to which no property is assigned

Instead classification classes are used to model a hierarchical (based on subsumption) classification schema. For the viewer they appear like folders.

Note: In case of eCI@ss the classification schema has always four levels.

#### 2.2.1.2 Application Class

class to which properties can be assigned to describe the class.

In eCI@ss an application class is associated to exactly one classification class at the fourth level of the classification hierarchy and has the same name as this CC.

#### 2.2.1.3 Property

an information that may be represented by a data element type [ISO13584-42]

Note: properties are common to all members of a class, while the value assigned to the individual members of the class may be different and a distinction criterion.

#### 2.2.1.4 Domain

Set of permissible values

#### 2.2.1.5 Unit of Measure

reference quantity chosen from a unit equivalence group [adapted from ISO 31-0, 2.1]

#### 2.2.1.6 Value

Data that can be assigned to an attribute to denote some meaning

#### 2.2.1.7 Synonym

String denoting the same meaning as another string



Note: synonyms can be assigned to classification classes, application classes and properties

#### 2.2.1.8 Keyword

String used as an alternative access path to a certain piece of information

Note: keywords can be assigned to classification classes and application classes.

#### 2.2.2 Templates

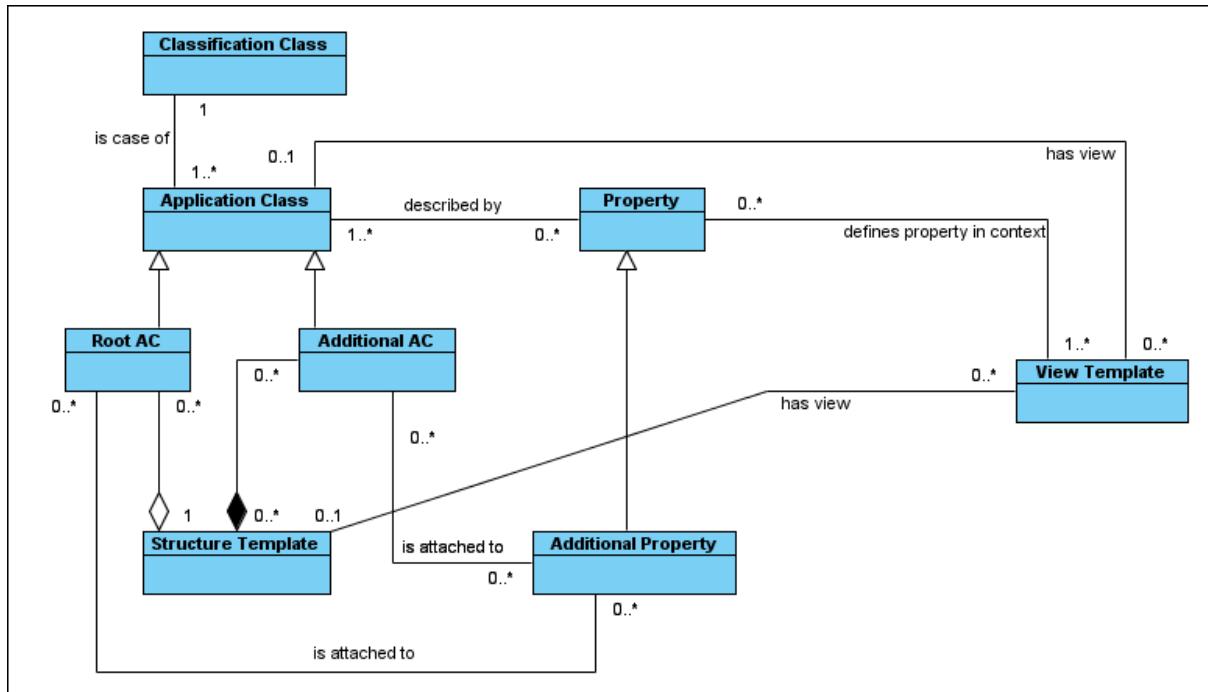


Figure 1: View and Structure Template

**Structure templates** serve for building a knowledge model out of ACs and properties. Structure template can be found:

- ▶▶ Under a classification class in tree (defined by the root AC of the structure template)
- ▶▶ Under search
- ▶▶ As a list

**View templates** serve for restricting, ordering and amending the elements of an application class or structure template. View templates can be found:

- ▶▶ Under an application class in tree
- ▶▶ Under a structure template in tree
- ▶▶ Under search
- ▶▶ As a list

#### 2.2.3 C&P-Token

To support BU01 a globally unique token is used as a temporary pointer to the template the user modified and selected for copying.

Note: (add explanation on create persistent ID on paste)

### 2.3 Assumptions and Dependencies

#### 2.3.1 AS01 – Supplier Code for PEPPOL elements

All Identifiers generated in the PEPPOL PPS Server, will be generated with the supplier set according to the CA group the editing user is in. This means that four suppliers will be generated, each of them needing a human readable representation (like “PEPPOL”) and a machine tractable code (like “1234-1”), the registration authority identifier



### 2.3.2 AS02 – Treatment of Aspects

Certain properties of application classes within eCI@ss are not assigned directly to the application class, but instead via a so called aspect; this will become especially relevant in eCI@ss 7. In eCI@ss 6 CSV export aspects are ignored and the properties from the aspect therefore are treated as if they were directly connected to the application class. For the purpose of PEPPOL PPS an analogous procedure is chosen.

### 2.3.3 AS03 – No management workflow for elements

It is assumed that no management workflow is implemented for elements. This means that upon saving of an element a structure element of template is generated by the system without further human interaction.

### 2.3.4 AS04 – No single signon between eCatalogue Management Tool and PPS portal

There is no single signon between the eCatalogue Management Tool and the PPS portal. Yet, each user of the eCatalogue Management Tool is supposed to have a unique endpoint identifier and a PPS portal user account.

### 2.3.5 AS05 – Assignment of users to a group per CA

For each CA there is defined a group in which all users from this CA are member in.



## 3 Use-Case Specifications

### 3.1 Use-Case Model Survey

#### 3.1.1 UC01 – User and groups

Under “user and groups” all user account and group management relevant use cases are handled.

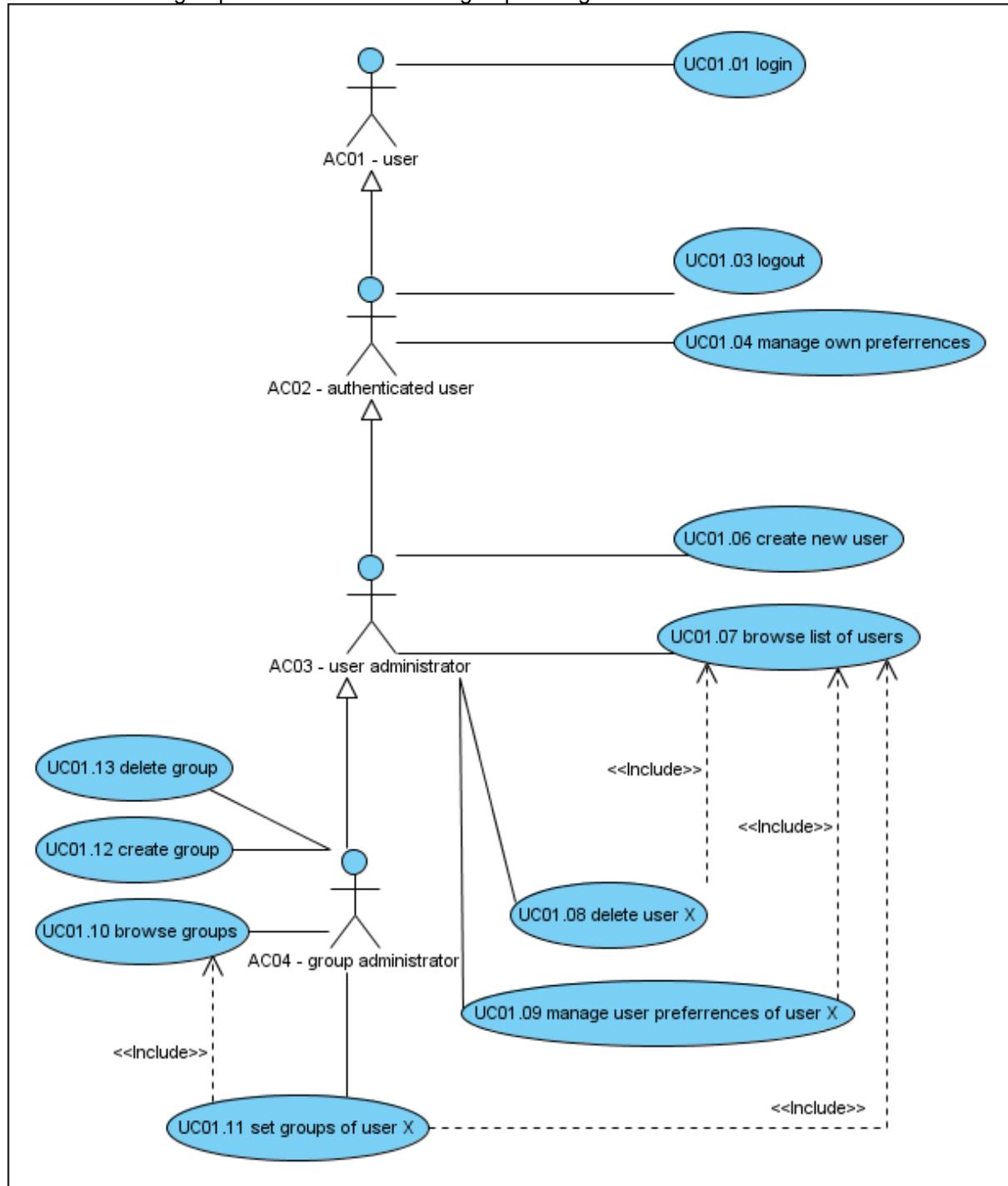


Figure 2:UC01 - User and groups

### 3.1.1.1 Use cases

#### 3.1.1.1.1 UC01.01 – Login

User supplies user name and password to login.

#### 3.1.1.1.2 UC01.03 – Logout

Authenticated user ends current session by logout.

#### 3.1.1.1.3 UC01.04 – manage own preferences

Authenticated user changes details and settings of own account.

#### 3.1.1.1.4 UC01.06 – create user

User administrator creates user account for someone else by supplying required details to the system.

#### 3.1.1.1.5 UC01.07 – browse list of users

User administrator browses the list of users.

#### 3.1.1.1.6 UC01.08 – delete user X

User administrator browses the list of users and selects a certain user for deletion.

#### 3.1.1.1.7 UC01.09 – manage user preferences of user X

User administrator chooses a user from list of users and changes their settings.

#### 3.1.1.1.8 UC01.10 – browse groups

Group administrator browses the list of groups.

#### 3.1.1.1.9 UC01.11 – set groups of user X

Group administrator chooses a user from list of groups or users and changes their group memberships.

#### 3.1.1.1.10 UC01.12 – create group

Group administrator creates a new group

#### 3.1.1.1.11 UC01.13 – delete group

Group administrator deletes an existing group.

Note: “guest” group cannot be chosen for deletion.

### 3.1.1.2 Actors

#### 3.1.1.2.1 AC01 – User

Somebody accessing the system on before login and after logout.

#### 3.1.1.2.2 AC02 – authenticated user

By logging in a user can become authenticated user.

#### 3.1.1.2.3 AC03 – user administrator

User administrator is an authenticated user who can manage details of other people's accounts.

Note: one user administrator per participant (eg:BBG, Consip, ...) will be specified.

#### 3.1.1.2.4 AC04 – group administrator

Group administrator is a user administrator who can manage groups and user-groups relationship.



### **3.1.2 UC02 – Browsing and Search**

Under “browse and search” all use cases related to searching elements and viewing elements or collections of elements are handled

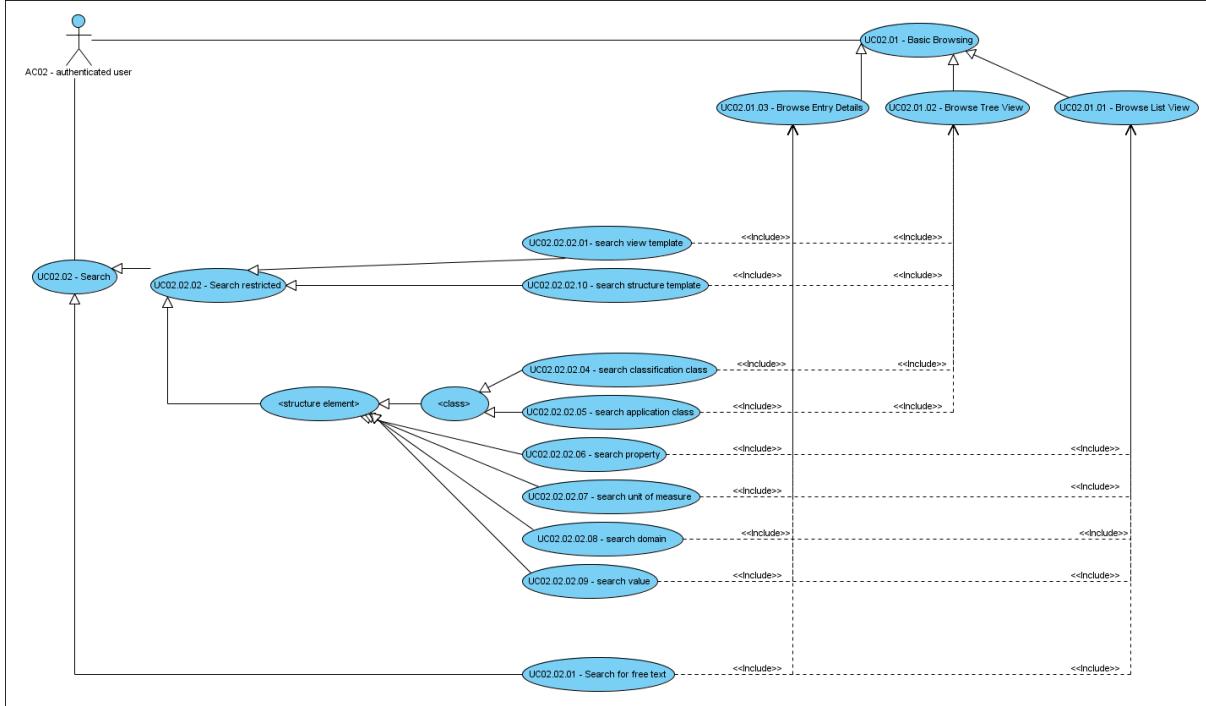


Figure 3 - UC02 Browsing and Searching

### 3.1.2.1 Use cases

### 3.1.2.1.1 UC02.01 – Basic Browsing

### **3.1.2.1.1.1 UC02.01.01 – Browse List View**

Authenticated user sees a paginated list of elements.

### **3.1.2.1.1.2 UC02.01.02 – Browse Tree View**

Authenticated user sees the expandable classification tree with attached other elements.

### **3.1.2.1.1.3 UC02.01.03 – Browse Entry Details**

Authenticated user sees the elements details (attributes, values).

### 3.1.2.1.2 UC02.02 – Search

### **3.1.2.1.2.1 UC02.02.01 – Search for free text**

Authenticated user enters a string to be searched in any attribute of any element.

### **3.1.2.1.2.2 UC02.02.02 – Search restricted**

### **3.1.2.1.2.3 UC02.02.02.01 – Search view template**

Authenticated user enters a string to be searched in textual fields of view template.

### **3.1.2.1.2.4 UC02.02.02.10 – Search structure template**

Authenticated user enters a string to be searched in textual fields of structure template.



**3.1.2.1.2.5 UC02.02.02.04 – Search classification class**

Authenticated user enters a string to be searched in textual fields of classification class.

**3.1.2.1.2.6 UC02.02.02.05 – Search application class**

Authenticated user enters a string to be searched in textual fields of view application class.

**3.1.2.1.2.7 UC02.02.02.06 – Search property**

Authenticated user enters a string to be searched in textual fields of view property.

**3.1.2.1.2.8 UC02.02.02.07 – Search unit of measure**

Authenticated user enters a string to be searched in textual fields of view unit of measure.

**3.1.2.1.2.9 UC02.02.02.08 – Search domain**

Authenticated user enters a string to be searched in textual fields of view domain.

**3.1.2.1.2.10 UC02.02.02.09 – Search value**

Authenticated user enters a string to be searched in textual fields of view value.

**3.1.2.2 Actors**

Browsing and searching is available to all authenticated users (AC02).



### 3.1.3 UC03 – Manage Structure Elements

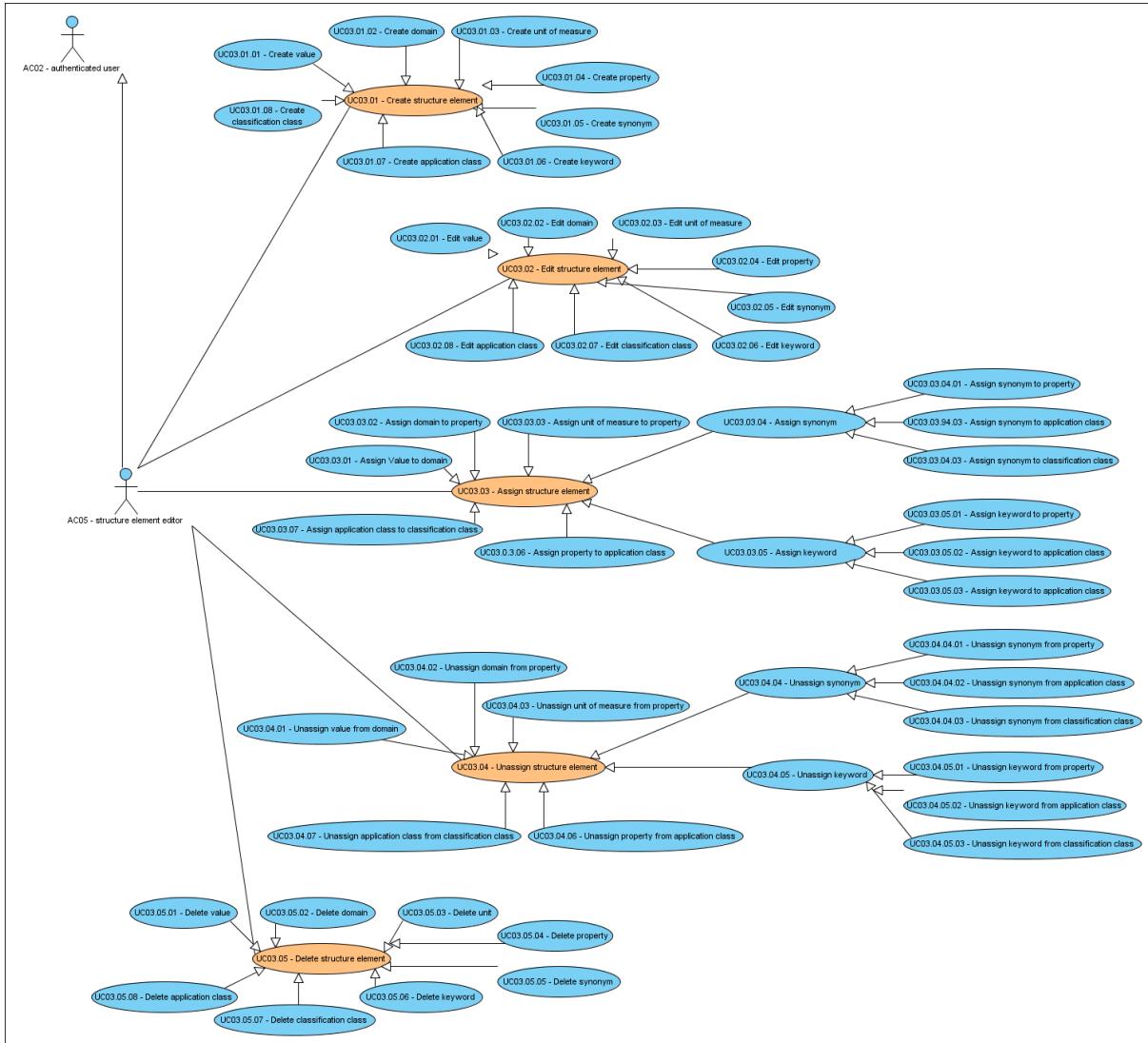


Figure 4: Manage Structure Elements (main use cases highlighted)

#### 3.1.3.1 Use cases

##### 3.1.3.1.1 UC03.01 – Create structure element

###### 3.1.3.1.1.1 UC03.01.01 – Create value

Structure element editor selects create value, enters the mandatory attributes of the value and saves.

###### 3.1.3.1.1.2 UC03.01.02 – Create domain

Structure element editor selects create domain, enters the mandatory attributes of the domain and saves.

###### 3.1.3.1.1.3 UC03.01.03 – Create unit of measure

Structure element editor selects create unit of measure, enters the mandatory attributes of the unit of measure and saves.

###### 3.1.3.1.1.4 UC03.01.04 – Create property

Structure element editor selects create property, enters the mandatory attributes of the property and saves.



**3.1.3.1.1.5 UC03.01.05 – Create synonym**

Structure element editor selects create synonym, enters the mandatory attributes of the synonym and saves.

**3.1.3.1.1.6 UC03.01.06 – Create keyword**

Structure element editor selects create keyword, enters the mandatory attributes of the Keyword and saves.

**3.1.3.1.1.7 UC03.01.07 – Create classification class**

Structure element editor chooses a parent for the to be created classification class from tree, enters the mandatory attributes of the value and saves.

**3.1.3.1.1.8 UC03.01.08 – Create application class**

Structure element editor chooses a parent for the to be created application class from tree, enters the mandatory attributes of the value and saves.

**3.1.3.1.2 UC03.02 – Edit structure element**

Note: Performing assignments / un-assignments is described in another use case.

**3.1.3.1.2.1 UC03.02.01 – Edit value**

Structure element editor selects a value from list, modifies the attributes of the value and saves.

**3.1.3.1.2.2 UC03.02.02 – Edit domain**

Structure element editor selects a domain from list, modifies the attributes of the domain and saves.

**3.1.3.1.2.3 UC03.02.03 – Edit unit of measure**

Structure element editor selects a unit of measure from list, modifies the attributes of the unit of measure and saves.

**3.1.3.1.2.4 UC03.02.04 – Edit property**

Structure element editor selects a property from list, modifies the attributes of the property and saves.

**3.1.3.1.2.5 UC03.02.05 – Edit synonym**

Structure element editor selects a synonym from list, modifies the attributes of the synonym and saves.

**3.1.3.1.2.6 UC03.02.06 – Edit keyword**

Structure element editor selects a keyword from list, modifies the attributes of the keyword and saves.

**3.1.3.1.2.7 UC03.01.07 – Edit classification class**

Structure element editor selects a classification class from tree, modifies the attributes of the classification class and saves.

**3.1.3.1.2.8 UC03.01.08 – Edit application class**

Structure element editor selects an application class from tree, modifies the attributes of the application class and saves.

**3.1.3.1.3 UC03.03 – Assign structure element**

**3.1.3.1.3.1 UC03.03.01 – Assign value to domain**

Structure element editor selects domain from list, assigns value(s) and saves.

**3.1.3.1.3.2 UC03.03.02 – Assign domain to property**

Structure element editor selects property from list, assigns domain and saves.



**3.1.3.1.3.3 UC03.03.03 – Assign unit of measure to property**

Structure element editor selects property from list, assigns a unit of measure and saves.

**3.1.3.1.3.4 UC03.03.04 – Assign synonym**

**3.1.3.1.3.4.1 UC03.03.04.01 – Assign synonym to property**

Structure element editor selects property from list, assigns synonym(s) and saves.

**3.1.3.1.3.4.2 UC03.03.04.02 – Assign synonym to application class**

Structure element editor selects application class from tree, assigns synonym(s) and saves.

**3.1.3.1.3.4.3 UC03.03.04.03 – Assign synonym to classification class**

Structure element editor selects classification class from tree, assigns synonym(s) and saves.

**3.1.3.1.3.5 UC03.03.05 – Assign keyword**

**3.1.3.1.3.5.1 UC03.03.05.01 – Assign keyword to property**

Structure element editor selects property from list, assigns keyword(s) and saves.

**3.1.3.1.3.5.2 UC03.03.05.02 – Assign keyword to application class**

Structure element editor selects application class from tree, assigns keyword(s) and saves.

**3.1.3.1.3.5.3 UC03.03.05.03 – Assign keyword to classification class**

Structure element editor selects classification class from tree, assigns keyword(s) and saves.

**3.1.3.1.3.6 UC03.03.06 – Assign property to application class**

Structure element editor selects application class from tree, assigns property(s) and saves.

**3.1.3.1.3.7 UC03.03.07 – Assign application class to classification class**

Structure element editor selects classification class from tree, assigns application class(es) and saves.

**3.1.3.1.4 UC03.04 – Un-assign structure element**

Note: Performing unassignments leads to setting of elements to deprecated, except for synonyms and keywords this may have undesired side effects on new valuations via assignments.

**3.1.3.1.4.1 UC03.04.01 – Unassign value from domain**

Structure element editor selects domain from list and chooses which value(s) shall be unassigned.

**3.1.3.1.4.2 UC03.04.02 – Unassign domain from property**

Structure element editor selects property from list and chooses whether domain shall be unassigned.

**3.1.3.1.4.3 UC03.04.03 – Unassign unit of measure from property**

Structure element editor selects property from list and chooses whether unit shall be unassigned.

**3.1.3.1.4.4 UC03.04.04 – Unassign synonym**

**3.1.3.1.4.4.1 UC03.04.04.01 – Unassign synonym from property**

Structure element editor selects property from list and chooses which synonym(s) shall be unassigned.

**3.1.3.1.4.4.2 UC03.04.04.02 – Unassign synonym from application class**

Structure element editor selects application class from tree and chooses which synonym(s) shall be unassigned.



3.1.3.1.4.4.3 UC03.04.04.03 – Unassign synonym from classification class

Structure element editor selects classification class from tree and chooses which synonym(s) shall be unassigned.

3.1.3.1.4.5 UC03.04.05 – *Unassign keyword*

3.1.3.1.4.5.1 UC03.04.05.01 – Unassign keyword from property

Structure element editor selects property from list and chooses which keyword(s) shall be unassigned.

3.1.3.1.4.5.2 UC03.04.05.02 – Unassign keyword from application class

Structure element editor selects application class from tree and chooses which keyword(s) shall be unassigned.

3.1.3.1.4.5.3 UC03.04.05.03 – Unassign keyword from classification class

Structure element editor selects classification class from tree and chooses which keyword(s) shall be unassigned.

3.1.3.1.4.6 UC03.04.06 – *Unassign property from application class*

Structure element editor selects application class from tree and chooses which property(s) shall be unassigned.

3.1.3.1.4.7 UC03.04.09 – *Unassign application class from classification class*

Structure element editor selects classification class from tree and chooses which application class(es) shall be unassigned.

3.1.3.1.5 UC03.05 – Delete structure element

Note: Setting elements (except for synonyms and keywords) to deprecated may have undesired side effects on new valuations via assignments.

3.1.3.1.5.1 UC03.05.01 – *Delete value*

Structure element editor selects value(s) from list and confirms that these shall be deleted. The system sets the value(s) to deprecated.

3.1.3.1.5.2 UC03.05.02 – *Delete domain*

Structure element editor selects domain(s) from list and confirms that these shall be deleted. The system sets the domain(s) to deprecated.

3.1.3.1.5.3 UC03.05.03 – *Delete unit of measure*

Structure element editor selects unit(s) of measure from list and confirms that these shall be deleted. The system sets the unit(s) of measure to deprecated.

3.1.3.1.5.4 UC03.05.04 – *Delete property*

Structure element editor selects property(s) from list and confirms that these shall be deleted. The system sets the property(s) to deprecated.

3.1.3.1.5.5 UC03.05.05 – *Delete synonym*

Structure element editor selects synonym(s) from list and confirms that these shall be deleted. The system sets the synonym(s) to deprecated.

3.1.3.1.5.6 UC03.05.06 – *Delete keyword*

Structure element editor selects keyword(s) from list and confirms that these shall be deleted. The system sets the keyword(s) to deprecated.



### 3.1.3.1.5.7 UC03.05.07 – Delete classification class

Structure element editor selects classification class from tree and confirms that these shall be deleted. The system sets the classification class to deprecated.

### 3.1.3.1.5.8 UC03.05.08 – Delete application class

Structure element editor selects application class from tree and confirms that these shall be deleted. The system sets the application class to deprecated.

## 3.1.3.2 Actors

### 3.1.3.2.1 AC05 – Structure element editor

Content editor is an authenticated user that may create new structure elements and edit existing structure elements.

## 3.1.4 UC04 – Manage View Templates

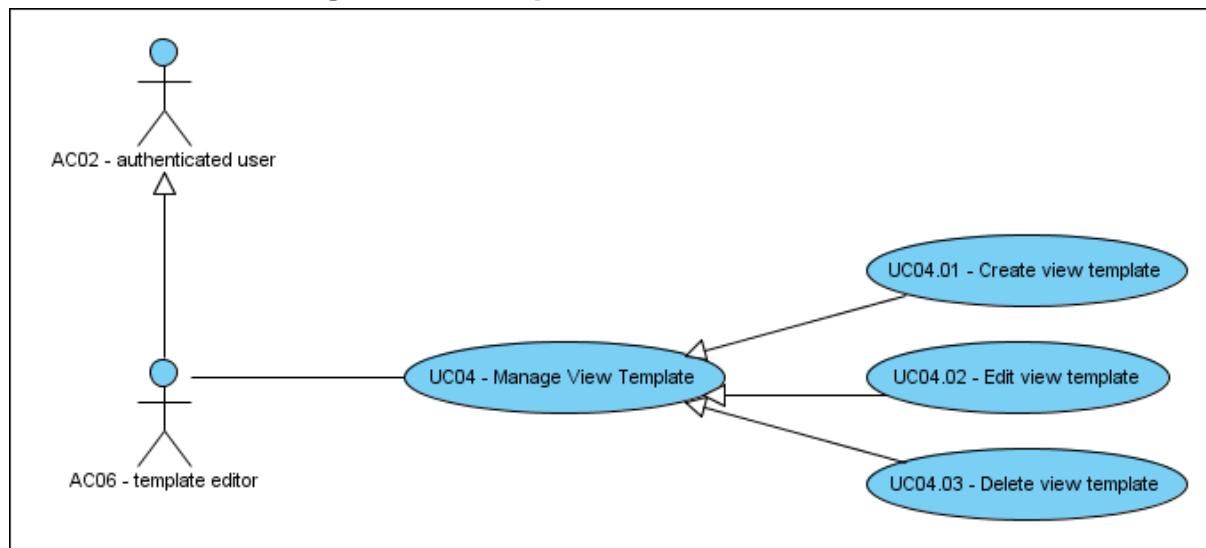


Figure 5: UC05 - Manage View Templates

### 3.1.4.1 Use Cases

#### 3.1.4.1.1 UC04.01 – Create view template

Template editor selects an application class or structure template, sets visibility and an order of properties and finally saves her selection as a view template.

#### 3.1.4.1.2 UC04.02 – Edit view template

Template editor selects an existing view template and saves modifications as a replacement of existing or a new template.

Note: In case an existing template is replaced, the original is set to deprecated by the system (so only the modified version remains visible to the user). View templates may only be replaced by users who are in the same CA group as the originating user.

#### 3.1.4.1.3 UC04.03 – Delete view template

Template editor selects existing view template and selects it for deletion. Upon confirmation the system sets the view template as deprecated.

### 3.1.4.2 Actors

#### 3.1.4.2.1 AC06 – Template editor

Content editor is an authenticated user that may create new templates and edit existing templates.

### 3.1.5 UC05 – Manage Structure Template

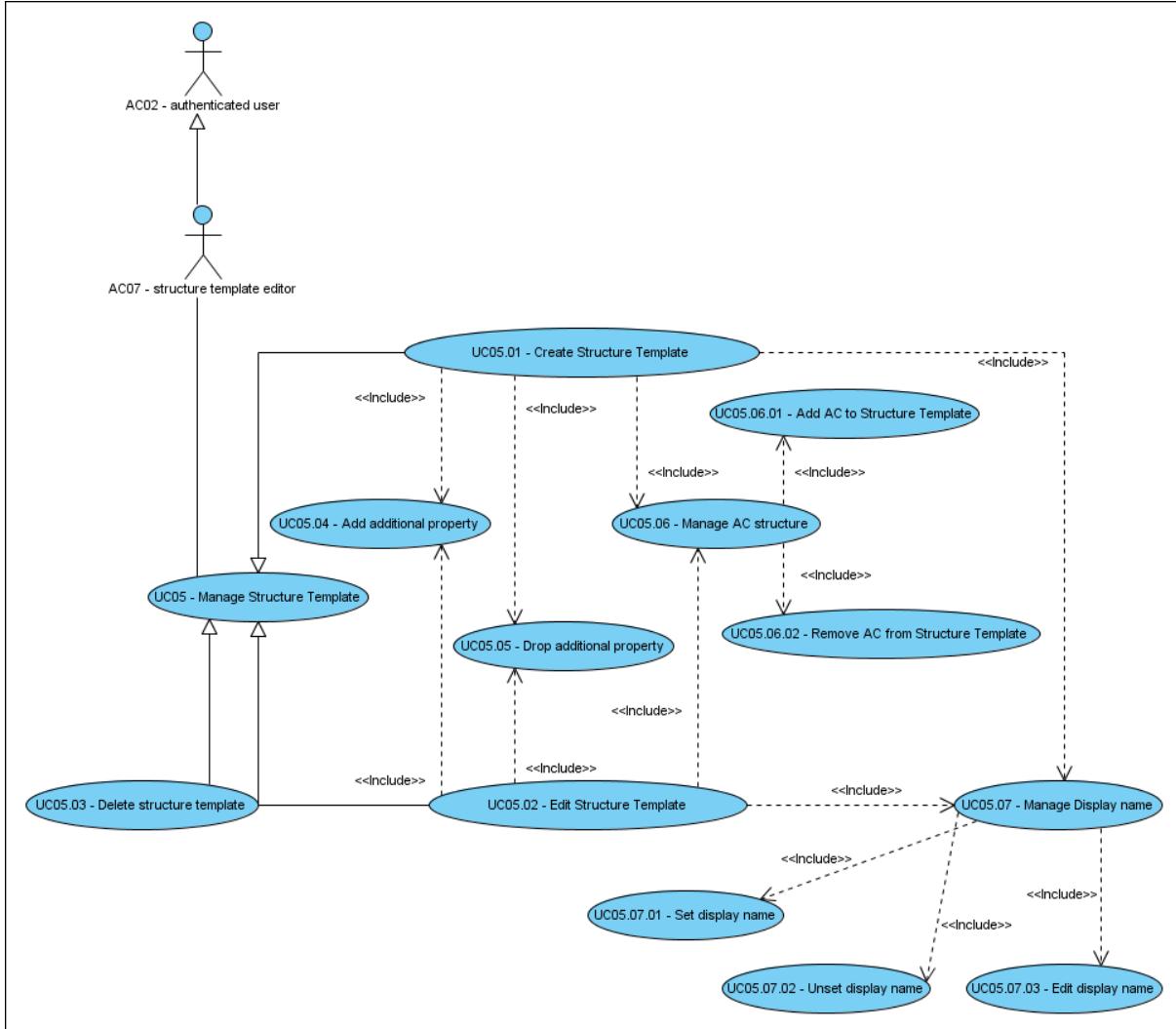


Figure 6: UC05 - Manage Structure Templates

#### 3.1.5.1 Use cases

##### 3.1.5.1.1 UC05.01 – Create Structure Template

Structure Template editor chooses an application class that shall be the main (root) AC for the knowledge model expressed in the structure template. The structure template is placed under the root AC's classification class. A preferred name for the structure template can be specified. If no preferred name is specified the system creates one based on the name of the AC (adding "template" and an index number).

##### 3.1.5.1.2 UC05.02 – Edit Structure Template

Structure template editor chooses a structure template that he would like to edit.

In case structure template editor and original author are in the same CA group (See FR15) the edited structure template may be saved as a successor of the original one, else a new code has to be generated.

### 3.1.5.1.3 UC05.03 – Delete Structure Template

Structure template editor may chose to delete an existing structure template. The system sets the structure template and also attached view templates to deprecated (i.e. they can be further interpreted but no longer used).

### 3.1.5.1.4 UC05.04 – Add additional property

Structure template editor may chose to enrich any AC contained in the knowledge model that is expressed by in the structure template by additional properties. The property is added to the structure template, not to the original AC.

### 3.1.5.1.5 UC05.05 – Drop additional property

Structure template editor may chose to remove an additional property from the structure template.

Note 1: this works only with additional properties and creates a new code for the structure template.

Note 2: any undesired property can be hidden without a side effect on the structure template via the view template.

### 3.1.5.1.6 UC05.06 – Manage AC structure

#### 3.1.5.1.6.1 UC05.06.01 – Add AC to structure template

Structure template editor may chose any number of additional ACs and build up a hierarchical structure under the root AC.

Note: Building up the AC structure is equivalent to building up an assembly from it's components in a top-down manner.

#### 3.1.5.1.6.2 UC05.06.01 – Remove AC from structure template

Structure template editor may chose to remove any number of additional ACs from the hierarchical structure under the root. Removing an AC with children also removes the children.

Note 1: This creates a new code for the structure template.

Note 2: removing the root AC from the structure template is equivalent with UC05.03.

### 3.1.5.1.7 UC05.07 – Manage Display Name

#### 3.1.5.1.7.1 UC05.07.01 – Set display name

Structure template editor can set for each property in the structure template a name that supersedes the generated preferred name of the property.

Membership in the same CA group as the creator of the structure template means a revision of the structure template is created. Else a new structure template is created.

#### 3.1.5.1.7.2 UC05.07.02 – Edit display name

Structure template editor can edit for each property in the structure template the name that supersedes the generated preferred name of the property.

Membership in the same CA group as the creator of the structure template means a revision of the structure template is created. Else a new structure template is created.

#### 3.1.5.1.7.3 UC05.07.03 – Unset display name

Structure template editor can set back for each property in the structure template the name to the generated preferred name of the property.

Membership in the same CA group as the creator of the structure template means a revision of the structure template is created. Else a new structure template is created.

## 3.1.5.2 Actors

### 3.1.5.2.1 AC07 – Structure Template Editor



Structure template editor is an authenticated user that may create new structure templates and edit existing ones.

### 3.1.6 UC06 – Out of scope setting

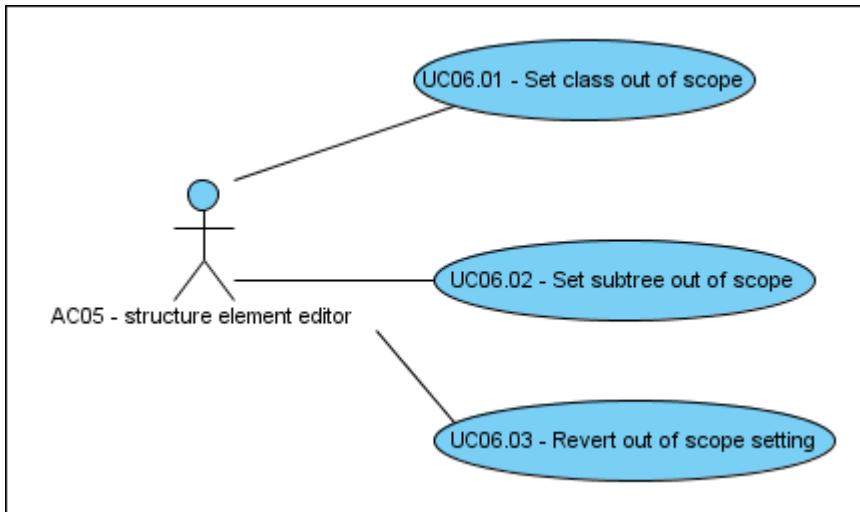


Figure 7: UC06 - Out of scope setting

#### 3.1.6.1 Use cases

##### 3.1.6.1.1 UC06.01 – Set class out of scope

Structure element editor can chose to set a classification class as out of scope for the CA group he is member in. ACs / structure templates under a classification class that is set out of scope can not be accessed by users of that CA group.

##### 3.1.6.1.2 UC06.02 – Set subtree out of scope

Structure element editor can chose to set a subtree of the classification hierarchy as out of scope for the CA group he is in. CCs / ACs / structure templates under a classification class that is set out of scope can not be accessed by users of that CA group.

##### 3.1.6.1.3 UC06.03 – Revert out of scope setting

Structure element editor can chose to revert an out of scope setting that was done for the CA group he is member in.

## 3.2 Roles

A role is a designation of a business function that will directly allow specific functional permissions within the PEPPOL PPS application. Users may be added to or removed from roles. If user A has role X and is removed and replaced by user B then user B will receive all the permissions associated with role X. Different users having the same role can do the same thing at the same moment.

The following roles will be implemented:

- » Administrator
- » User Administrator (one per participant: eg. BBG, Consip, ...) subsumes AC03 and AC04, so can manage users and their relationship to groups
- » Structure Data Editor (AC05)
- » Template Editor subsumes AC06 and AC07
- » “normal user” – browsing and searching (AC02)
- » “Web-Service Access” – (read only) for obtaining templates and information on identified elements

Additionally:

- » One group per participant into which all users from that participant and only these are member (FR15).



Note: One user must and can not be member in more than one CA group.

### 3.3 Role Based Permissions

Permission to perform certain tasks required membership of a user in a certain user group.

### 3.4 Business Use Cases

#### 3.4.1 BU01 - Copy paste metaphor for interaction with eCatalogue Management Tool

In the portal user shall be able to select a template and retrieve it with the eCatalogue Management Tool. The token used as a pointer to the user customized template remains valid for the duration of the user's PPS session.

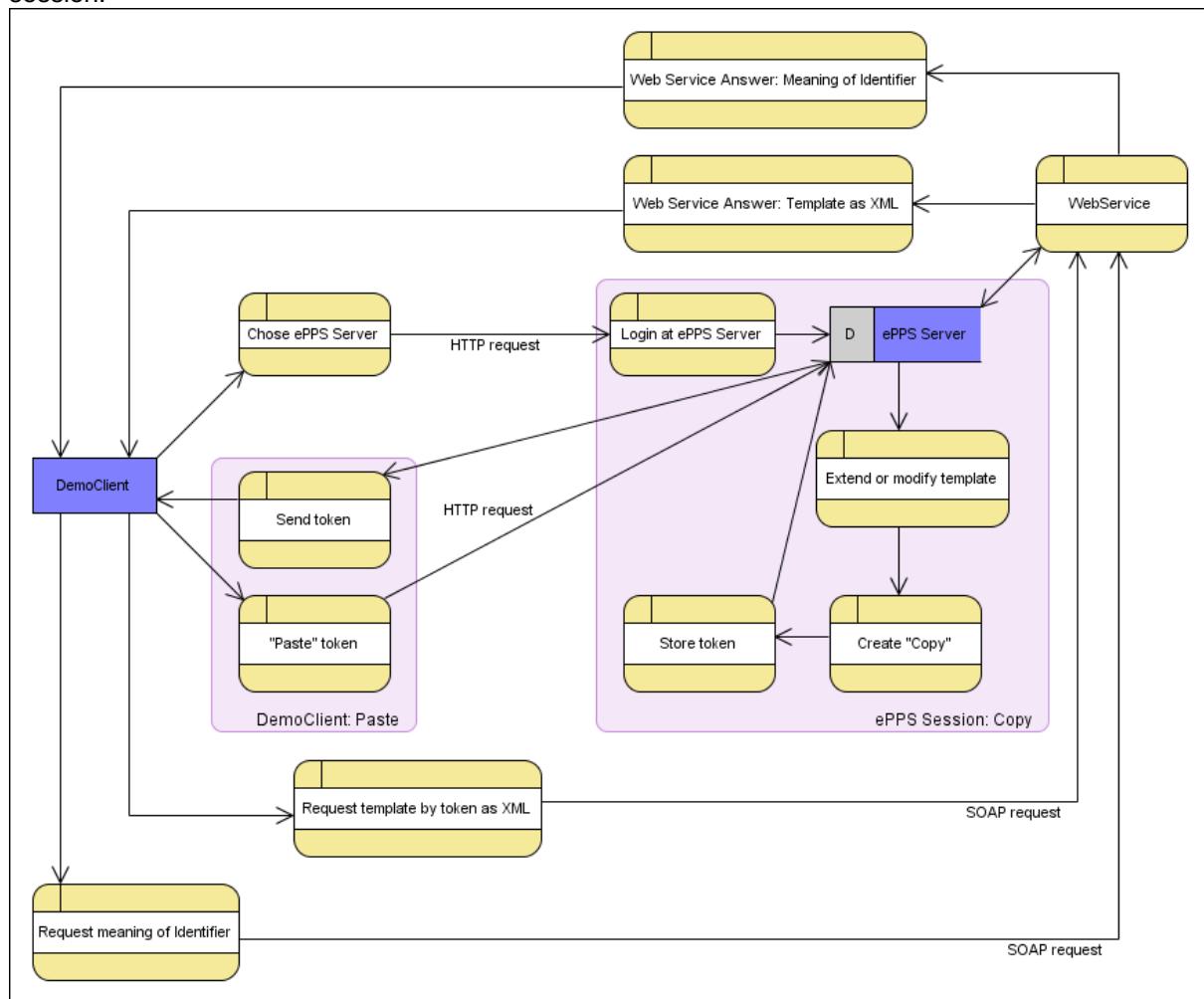


Figure 8: Flow of information for "copy & paste" of view(modified) template

Verbal description of steps:

1. Within the eCatalogue Management Tool a user selects: PPS server
2. User logs into PPS server and navigates to the template
3. User extends / modifies the template
4. User presses <Copy>

5. In the eCatalogue Management Tool user selects <Paste><sup>1</sup>
6. eCatalogue Management Tool requests the template (identifiers) as XML file and stores it in the catalogue
7. eCatalogue Management Tool can request the “meaning”<sup>2</sup> of the identifiers from the PPS service.

### 3.5 Workflows

Status based workflows for management of database content are out of scope.

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<sup>1</sup> In case user extended / modified template in step 3, a new generation of the structure template is generated.

<sup>2</sup> The “meaning” of an identifier is constituted by the type and attributes of the referenced structure element of template in the context of the given dictionary. One part of this meaning is terminological, another part may be coded.



## 4 Functional Requirements

### 4.1 FR01 – User and groups

#### 4.1.1 FR01.01 – Login

By performing login user becomes an authenticated user and session is started.

#### 4.1.2 FR01.02 – Logout

By performing logout authenticated user has the possibility to end the current session.

#### 4.1.3 FR01.03 – Account

##### 4.1.3.1 FR01.03.01 – account creation

By choosing new user, entering the account details of that user and pressing a save button a new user account can be created. The user is notified automatically by the system via email (given a valid email address is provided by the account creator).

##### 4.1.3.2 FR01.03.02 – account deletion

A sufficiently privileged user can chose to delete a user account. After being prompted for confirmation the personal details of the account are cleared (except for user name) and the account is set to inactive and cannot be reactivated (account is kept just for data consistency reasons).

#### 4.1.4 FR01.04 – preference management

Personal details of a user account can be changed (by the user, by a sufficiently privileged person).

#### 4.1.5 FR01.05 – User session

Between Login (see FR01.01) and Logout (see FR01.02) the authorized user has a session in the portal. Within the session certain information may have to be pertained. If an authorized user is inactive for 30 min the session times out automatically and the user has to login again.

#### 4.1.6 FR01.06 – list of users

A paginated list of all active users can be displayed to a sufficiently privileges user from which the details of the accounts can be edited.

#### 4.1.7 FR01.06 – Groups

##### 4.1.7.1 FR01.06.01 – Group creation

A sufficiently privileged user can create new groups.

Note: this will not assign any privileges to the group.

##### 4.1.7.2 FR01.06.02 – Group deletion

On group deletion all connections of users to the deleted group are destroyed.

Note: The “guest” group cannot be deleted, but it may be configured to be hidden.

##### 4.1.7.3 FR01.06.03 – Group browsing

A sufficiently privileged user can browser the list of groups and see which users are members of the individual groups



## 4.1.8 FR01.07 – Groups and users relationship

### 4.1.8.1 FR01.07.01 – System group “guest”

Each authenticated user is member of the “guest” group. This group is maintained by the system.

### 4.1.8.2 FR01.07.02 – user-group-relationship management

A sufficiently privileged user may edit the members of groups and the groups a user is member in.

## 4.2 FR02 – Basic Browsing

### 4.2.1 FR02.01 – Entry details

Entry details lists all the attributes and values of an element in a tabbed display. The tab and attribute configuration is the same as in the eCl@ss Serviceportal.

### 4.2.2 FR02.02 – List view

List view shows a table of elements of a certain kind with selected attributes of these elements. The table headers of the list view can be used to sort the list view by the respective attribute. Online customization is out of scope.

### 4.2.3 FR02.02 – Tree view

Tree view shows an expandable tree structure beginning at a hierarchy node below which the four levels of eCl@ss classification classes unfold. Application classes are connected to the fourth level of the classification classes only. For the applications classes also the properties and their domains can be unfolded in the tree view.

## 4.3 FR03 – Search

### 4.3.1 FR03.01 – Search for structure elements

#### 4.3.1.1 FR03.01.01 – Search for specific structure elements

A certain type of structure element can be selected and search is restricted to results of that type.

#### 4.3.1.2 FR03.01.02 – Free text search

Free text search shall find all occurrences of the search string

### 4.3.2 FR03.02 – Search for Templates

Templates can be searched for by name, id and the classification code of the AC they are subsumed by.

### 4.3.3 FR03.03 – Autocompletion

The restricted search types (for structure element of a certain type, for template) have autocompletion enabled, i.e. when the user starts typing up to 10 available suggestions are presented in a pull-down menu under the input field.

## 4.4 FR04 – Structure Elements

### 4.4.1 FR04.01 – Creation of PEPPOL structure elements

All new elements created in PEPPOL PPS are PEPPOL structure elements.



#### 4.4.2 FR04.02 – Customization of eCI@ss structure elements

As management of eCI@ss structure elements must only be performed by eCI@ss any extension of an eCI@ss structure element must lead to the creation of a PEPPOL structure element which starts as the clone of the original element and is subject to the modifications and extensions.

The identifier of the original element is recorded with the clone, but keeping detailed track of differences between PEPPOL structure element and original eCL@ss structure element is out of scope.

#### 4.4.3 FR04.03 – Addition of extended attributes to structure elements

PEPPOL may define additional attributes for structure elements which can be added to a certain type of structure element as a so called “extended attribute”. An extended attribute can be used to convey additional data or metadata about a structure element that is not essential to the dictionary (but might be interesting or important for certain users to have). Extended attributes added to a structure element type is not done via a GUI but defined as a supplement to this document. *Defining extended attributes is optional.*

Note: Adding an extended attribute to a structure element type does not further affect structure elements of this type, therefore no PEPPOL structure element copies are generated.

#### 4.4.4 FR04.04 – Unassignment and deletion (as deprecation)

In order to keep transactions valid, structure elements, view templates and assignments must never be physically deleted. Instead in case a deletion of a PEPPOL element is intended the system will mark the respective element as deprecated and not show it in the default GUI anymore. Non-visibility of deprecated PEPPOL elements may be overwritten by additional customizations. eCI@ss structure elements cannot be the target of a deletion request as management of eCI@ss structure elements must only be performed by eCI@ss.

#### 4.4.5 FR04.05 – Customized Requirements for Classes

Classes (CC, AC) should function as they do in eCI@ss basic<sup>3</sup>.

#### 4.4.6 FR04.06 – Customized Requirements for Properties

Properties should function as they do in eCI@ss 6 with the following explicit requirement:

For strings and numeric properties being able to define the length / number of digits is important

### 4.5 FR05 – View Templates

#### 4.5.1 FR05.01 – Search for View Templates

View templates can be searched for just like application classes can.

#### 4.5.2 FR05.02 – Template Requirements

##### 4.5.2.1 FR05.02.01 – mandatory properties per class

A view template defines in the context of an application class or structure template if a given property is mandatory.

Example 1

Class 23110101 has AC with properties:

---

<sup>3</sup> Aspects and Blocks are not used, they will be only relevant for advanced users in eCI@ss 7.



Property	Property name	mandatory
BAB341	threadsize	yes
BAA917	headshape	yes
BAA997	threadlength	yes
BAA907	inner thread diameter	no

#### 4.5.2.2 FR05.02.02 – order of properties per class

A view template defines in the context of an application class or structure template the order of properties.  
Example 2

Property	Property name	order
BAB341	threadsize	1
BAA917	headshape	2
BAA997	threadlength	3
BAA907	inner thread diameter	4

#### 4.5.2.3 FR05.02.03 – Restriction of properties

A view templates defines in the context of an application class or structure template what properties are available.

### 4.6 FR06 – Structure Templates

#### 4.6.1 FR06.01 – Flattening out of structure for presentation

To the view template the structure template shall look like a flat AC.

For the presentation without a defined view template the properties are displayed:

Alphabetically within an AC

ACs are traversed in depth-first-search.

#### 4.6.2 FR06.02 – Automatic generation of display name for properties

Due to the flat nature AC the structure template simulates a clash of property names must be avoided. To cope with this a display name is automatically generated for each property according to the following rules:

If the property is unique for the structure template, the preferred name of the property is taken

If the property is not unique for the structure template a combination of the preferred name of its containing AC and the properties' preferred name is taken

#### 4.6.3 FR06.03 – Identification of elements in the structure template

An element in the structure template can be uniquely located by giving the path of IRDIs traversing the hierarchical AC structure and the IRDI of the property.

### 4.7 FR07 – Out of scope setting

#### 4.7.1 FR07.01 – Out of scope setting of classes

It shall be possible to indicate that a certain class is out of scope for a certain CA (indicated by group membership, see FR15).

#### 4.7.2 FR07.02 – Out of scope setting of class trees

It shall be possible to indicate that a certain part of the class tree as a whole is out of scope for a certain CA (indicated by group membership, see FR15).



## 4.8 FR08 – Web Services

In contrast to the eCatalogue Management Tool which is stateless and uses REST, the Content resolution webservices are stateful and use SOAP.

### 4.8.1 FR08.01 – ISO 29002-20 WebService

A SOAP webservice accessing the content of the PEPPOL PPS, providing terminology and ontology service as defined in ISO-29002-20:

- ▶ Terminology Service: search for concepts, languages, and other elements of the dictionary based on a rich set of keywords, search criteria, and expressions; given an international registration data identifier (IRDI) in the format defined in ISO/TS 29002-5, retrieve terminological information;
- ▶ Ontology Service: retrieve ontological information about a concept based on the concept's IRDI.

### 4.8.2 FR08.02 – ISO 22745-30 WebService

A SOAP webservice accessing the content of the PEPPOL PPS, providing view and structure templates as XML, following the exchange format for identification guides defined in ISO 22745-30.

## 4.9 FR09 – Languages

The user shall have the possibility to set a preferred language separately for portal and content. Default in both cases is English.

### 4.9.1 FR09.01 – Changeability of portal language

### 4.9.2 FR09.01.01 – Permanent change of portal language

In their user preferences each user can set an option for portal language that gets used for showing menu and textual content of the page to that user. This preference setting may be overridden (see FR09.01.02) for the current session.

### 4.9.3 FR09.01.02 – Temporary change of portal language

On each page a user can set an option for a momentary portal language. This setting overrides the permanent choice of the portal language (see FR09.01.01) and lasts until the user's current session ends.

### 4.9.4 FR09.02 – Changeability of content language

### 4.9.5 FR09.02.01 – Permanent change of content language

In their user preferences each user can set an option for content language that gets used for showing structure data to that user. This preference setting may be overridden (see FR09.02.02) for the current session.

### 4.9.6 FR09.02.02 – Temporary change of content language

On each page a user can set an option for a momentary content language. This setting overrides the permanent choice of the content language (see FR09.02.01) and lasts until the user's current session ends.

## 4.9.7 FR09.03 – Translations

### 4.9.7.1 FR09.03.01 – Translation during creation of structure elements

When a user has selected another (default) content language than English the interface lets create the user structure elements in English and this language. Optionally content in other languages may be added.



#### **4.9.7.2 FR09.03.02 – Translation of existing elements' content**

Content of existing elements for which no translation has been created in a certain language may be translated by the user. Adding such a translation does not modify the ID of the element. Changing existing content in a certain language creates a new element generation.

#### **4.9.7.3 FR09.03.02 – Display of available translations**

When translations of an element into other languages are available these languages shall be indicated.

### **4.10FR10 – Indication of additional information in tree**

#### **4.10.1FR10.01 – Indication of supplier**

In tree view it shall be immediately visible to understand the supplier of a structure element or template (without having to look into detailed view or list view). Therefore tree nodes can be colored or flagged with an icon indicating a certain supplier (CA).

#### **4.10.2FR10.02 – Indication of classes with assigned view templates**

Classes (application class and the 4<sup>th</sup> level classification class) which have templates assigned shall be highlighted:

Classes having assigned a template defined by the CA the current member is from in <color> or <icon>

Classes having assigned a template defined by another CA in <color> or <icon>

#### **4.10.3FR10.03 – Indication of out of scope classes / portions of class tree**

When a class or a part of the class tree (see FR07) has been marked as out of scope for a certain CA that class or part of the tree is shown grayed out to the member group of this CA (see FR15).

### **4.11FR11 – Token for Copy & Paste**

#### **4.11.1FR11.01 – Token provision**

Portal user has the possibility to press a button when viewing / editing templates. This expresses the wish that a unique token be generated (valid until end of portal session) that points to the current state of the selected template. The application shows a modal panel showing a message like "Please copy the following token to the eCatalogue Management Tool in order to obtain the template you created:" followed by the token.

Note: The state of the template needs to be preserved for future reference, but not necessarily be visible as a separate template.

#### **4.11.2FR11.02 – Token resolution**

When the eCatalogue Management Tool user pastes the token into the eCatalogue Management Tool, the ECatalogue Management Tool can send a HTTP Request to PPS server to retrieve the denoted view template as XML.

### **4.12FR12 – Obtaining content of identifiers**

Content of elements can be retrieved by querying the SOAP webservice with an identifier (IRDI).

### **4.13FR13 – Versioning**

#### **4.13.1FR13.01 – Versioning of Structure Elements**

Structure elements being assigned a code in PEPPOL PPS are subject to versioning. Any change to eCI@ss elements lead to the assignment of an PEPPOL identifier.



## 4.13.2FR13.02 – Versioning of View Templates

Templates are versioned according to the following rules:

Editing by same CA group:

- Changing order -> revision number change
- Adding property -> version number change
- Removing property -> new code
- Setting property to mandatory -> version number change
- Removing mandatory setting of property -> revision number change

Editing by different CA group: new code

## 4.13.3FR13.03 – Versioning of Structure Template

Structure Templates are versioned according to the following rules:

Editing by same CA group:

- Change naming of Element: new revision
- Add Element: new version
- Remove Element: new code

Editing by different CA group: new code

## 4.14FR14 – Maintenance of multiple supplier codes

The system maintains multiple supplier codes (according to membership the defined CA groups).

## 4.15FR15 – Special group type “CA group”

A special group type CA group is needed:

Each user may be member of up to one CA group

The CA group influences which elements / templates a privileged user can modify using change management rules

The CA group influences which classes / subtrees are out of scope for a user



## 5 Architectural Requirements

### 5.1 AR01 – WebPortal

eptos™ based standard web user interface, which allows online access to the system via internet (7/24 access).



## 6 Data Load Requirements

### 6.1 DR01 – Data Load of eCl@ss Version 6.2.1

The Release 6.2.1 of eCl@ss has to be loaded to the PEPPOL PPS Server. No past releases will be loaded, only eCl@ss 6.2.1.

Content in the following languages (ISO 639-1 code) will be included:

- » German (de)
- » English (en)
- » French (fr)
- » Italian (it)
- » Portuguese (pt)
- » Spanish (es)
- » Dutch (nl)
- » Czech (cz)

The following PEPPOL languages (ISO 639-1 code) are not covered in eCl@ss 6.2.1, but are included as placeholders for translations:

- » Norwegian Bokmål (nb)
- » Danish (da)
- » Finnish (fi)
- » Greek (el)
- » Hungarian (hu)
- » Swedish (sv)



## 7 Usability Requirements

### 7.1 UR01 – Customization of languages

Language support in eptos™ based portals distinguishes between:

- » Portal language, the language used for menus, texts etc. in the portal
- » Content language, the language used by structure elements

Both languages have to be customizable separately.

#### 7.1.1 UR01.01 – Customization of portal languages

The following *portal* languages are supported in PEPPOL PPS Server:

- » DE – German
- » EN – English
- » IT – Italian
- » NB – Norwegian (Bokmål)
- » FR – French

Note: Where no data is available, English is used as fallback language.

#### 7.1.2 UR01.02 – Customization of content languages

The following *content* languages shall be supported in PEPPOL PPS Server:

- » German (de)
- » English (en)
- » French (fr)
- » Italian (it)
- » Portuguese (pt)
- » Spanish (es)
- » Dutch (nl)
- » Czech (cz)

The following PEPPOL languages (ISO 639-1 code) are not covered in eCl@ss 6.2.1, but are included as placeholders for translations:

- » Norwegian Bokmål (nb)
- » Danish (da)
- » Finnish (fi)
- » Greek (el)
- » Hungarian (hu)
- » Swedish (sv)

### 7.2 UR02 – Reference Browser

The reference browsers for eptos™ systems is the latest released Microsoft Explorer 8 and Mozilla Firefox 3<sup>4</sup>

### 7.3 UR03 – Customization of user interface

The web portal will be customized to fit to PEPPOL's corporate design. The following customizations will be made:

- » Icon and Logo [2]
- » Color scheme [3]
- » Font [3]
- » Content of initial webpage

---

<sup>4</sup> At the time of writing the latest releases are Mozilla Firefox 3.6.8 and Internet Explorer 8 Build 8.0.6001.18702C



## 7.4 UR04 – Menu interface

The menu will be oriented on the eCl@ss Serviceportal and customized to contain the functionality that goes beyond the eCl@ss Serviceportal's.

Note: An exact menu definition will be done in a separate document and sent to the participants for translation..

## 7.5 UR05 – customization of CAs

For each participating CA a so called “supplier code” (according to ISO 13584) has to be defined.

PEPPOL CAs have to be customized and assigned a registration authority identifier.

Note: If small icons or colors shall be used to indicate different users (see FR10.01) these have to be specified also.

## 7.6 UR06 – customization of CA groups

A CA group has to be customized for each PEPPOL CA-



## 8 Reliability Requirements

### 8.1 RR01 – Standard Service for production system

The following standard service level agreement applies to the production system (c.f. SR01.03 – Production system):

	<b>Standard Service</b>
<b>Operating time</b>	Mon – Sun 00:00 – 24:00 CET
<b>Service Time 1</b>	Mon – Fri* 09:00 – 17:00 CET
Response time	6 hours
Problem solving time	12 hours
<b>Service Time 2</b>	Hours not covered by Service Time 1
Response time	16 hours
Problem solving time	48 hours
Maximum downtime per month	48 hours = 93,3 % system availability

**Definitions SLAs:**

Operating time:	Time where eptos™ systems are up and running and may be used by the customer
*)Service Time 1:	Operation time of eptos™ systems including availability of telephone- and email-hotline Service Time 1 covers official working days in Austria
Service Time 2:	Operation time of eptos™ systems including availability of email-hotline
Response time:	Maximum duration between reporting of an error until initiation of system recovery
Problem solving time:	Maximum duration between reporting of an error until system recovery
Scheduled maintenance work:	Downtimes caused by planned and announced maintenance work. Scheduled downtimes are not considered in calculating system availability.
Maximum downtime per month:	Maximum cumulated unavailability of system per month not including scheduled maintenance work
Service reference point:	Service reference point is the central router at the Paradine data centre

### 8.2 RR02 – Backup of production system

Daily backup of database, retention time 7 days

### 8.3 RR03 – Maintenance Windows for Deployments

For each scheduled deployment or mass data change on the production system a maintenance window of 1h will be foreseen during which the system may be considered down (without adding this downtime to the maximum downtime per month specified in RR01).

The following procedure applies for a maintenance window:

- ▶ The maintenance will last for up to one hour. If the change cannot be applied during this time frame the system is reverted to the original state.
- ▶ A page stating the expected end of downtime is presented instead of the application.
- ▶ PEPPOL will be notified during office hours in advance about a needed downtime at least one working day before the maintenance window and a time will be mutually agreed.
- ▶ After the maintenance window closes PEPPOL will be notified about the actual duration of the downtime.

Note: Usually maintenance windows are planned in the time during 22:00 – 09:00 CEST on weekdays.

## 9 Performance Requirements

Assuming broadband internet access of the user, a maximum answer time of 2s shall not be exceeded for user-portal interactions and web service answers.



## 10 Supportability Requirements

### 10.1 SR01 – System instances

#### 10.1.1 SR01.01 – Development system (BETA)

- » Latest software state
- » Used for software acceptance tests and verification of new modules
- » Test database, no backup of database
- » No committed service levels for system operation

#### 10.1.2 SR01.02 – Test system (TEST)

- » Always same software state as PROD
- » Test database, no backup of database
- » Use for testing and training purposes
- » No committed service levels for system operation

#### 10.1.3 SR01.03 – Production system (PROD)

- » Live system for content development, maintenance and publication

### 10.2 SR02 – Monitoring

Monitoring checks to be performed:

- » HTTP availability: BETA, TEST, PROD
- » Login: BETA, TEST, PROD

### 10.3 SR03 – Maintenance Book

A maintenance book has to be created containing all information relevant for operating the portal and web services.

### 10.4 SR04 – Data Load Book

Out of scope



## 11 Design Constraints

### 11.1DC01 – Support for multiple portal languages

There has to be the possibility to have the menu and content of texts in the portal in multiple languages.

### 11.2DC02 – Support for multiple content languages

There has to be the possibility to have content (structure elements) in multiple languages.

### 11.3DC03 – Security

For the current system accounts are protected by user / password combination that is transported via HTTP.  
Note: As an additional layer of security HTTPS may be chosen as transport layer at a later time.

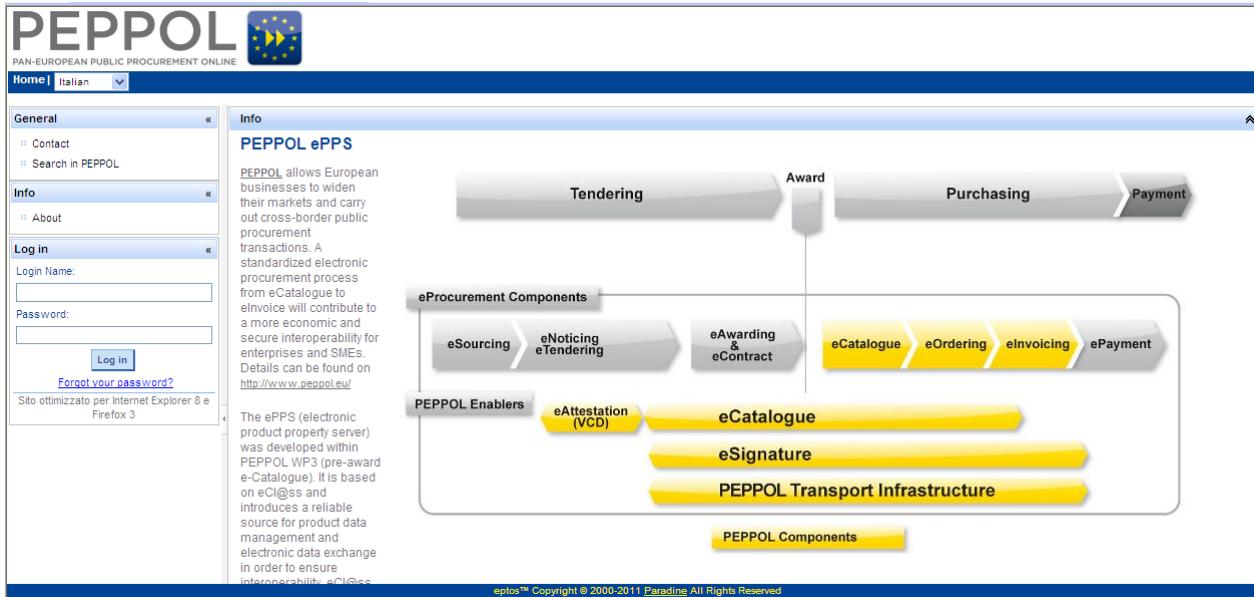


## 12 Interfaces

### 12.1 User Interfaces

#### 12.1.1 PF01 - <Page Flow One>

The content of the page



#### 12.1.2 UI01 – Entry details

The screenshot shows the "Property ECL-BAA001-003.2 - Entity Detail" screen. The top navigation bar includes tabs for General (Property), Format, Extended Attr., Change Requests, Values, Constraints, Synonyms, and Cross-References. The main content area displays various properties for the entity:

- Preferred Name: Manufacturer name
- Identification: ECL-BAA001-003
- Definition: legally valid designation of the natural or judicial person which is directly responsible for the design, production, packaging and labeling of a product in respect to its being brought into circulation
- Source of definition: Short name
- Synonyms:
- Unit:
- Value List:
- Note to definition: Preliminary establishment of the designation of the manufacturer subject to changes by future EU directives and/or European standards.
- Remark:
- Type of Property: non dependent
- Preferred symbol:
- Substitute symbol:
- Level types:

Figure 9: Example of entry details (for a property)

### 12.1.3 UI02 – Tree view

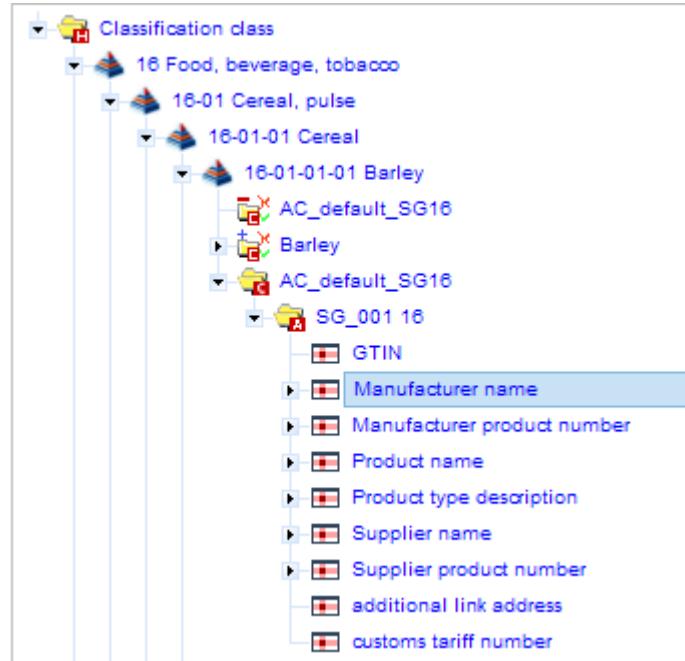


Figure 10: Example of tree view

### 12.1.4 UI03 – List View

<a href="#">« First</a>	<a href="#">Previous</a>	<a href="#">Next</a>	<a href="#">Last »</a>	Ser. no	<u>Identification</u>	Preferred Name	Unit	Data Type	Format	Max. String Length	Digits Before Comma	Digits After Comma
<input type="checkbox"/>	1	<a href="#">ECL-AAF023-002</a>		A-Konstante			m <sup>-1</sup>	Real	NR2..3.1	3	1	
<input type="checkbox"/>	2	<a href="#">ECL-AAB078-003</a>		AAMI Level Flüssigkeitsbarriere				String	X..16	16		
<input type="checkbox"/>	3	<a href="#">ECL-AAE252-001</a>		AB0-Blutgruppe				String	X..2	2		
<input type="checkbox"/>	4	<a href="#">ECL-BA0325-002</a>		Abdeckung des Zylinders				String	X..64	64		
<input type="checkbox"/>	5	<a href="#">ECL-AAF714-002</a>		Abdeckungsart				String	X..64	64		
<input type="checkbox"/>	6	<a href="#">ECL-AAA001-003</a>		Abdichtung				Integer	NR1..1	1		
<input type="checkbox"/>	7	<a href="#">ECL-BAA928-004</a>		Abdichtung vorhanden				Boolean (Yes/No)	V			
<input type="checkbox"/>	8	<a href="#">ECL-BAB212-003</a>		Abflachungsbreite			mm	Real	NR2..3.6	3	6	
<input type="checkbox"/>	9	<a href="#">ECL-AAB201-003</a>		abgegebene Leistung bei Bemessungsausgangsspannung			kW	Real	NR2..5.5	5	5	
<input type="checkbox"/>	10	<a href="#">ECL-BA0591-004</a>		abgerundete Edeln vorhanden				Boolean (Yes/No)	V			
<input type="checkbox"/>	11	<a href="#">ECL-BAG567-005</a>		abgeschrägte Edeln vorhanden				Boolean (Yes/No)	V			
<input type="checkbox"/>	12	<a href="#">ECL-BA0303-004</a>		Abheftlochung der Durchschläge vorhanden				Boolean (Yes/No)	V			
<input type="checkbox"/>	13	<a href="#">ECL-BAG525-004</a>		Abheftlochung vorhanden				Boolean (Yes/No)	V			
<input type="checkbox"/>	14	<a href="#">ECL-BAG570-004</a>		Abheftvorrichtung vorhanden				Boolean (Yes/No)	V			
<input type="checkbox"/>	15	<a href="#">ECL-AAB202-003</a>		Abisolierlänge			mm	Real	NR2..5.5	5	5	

Figure 11: Example of list view

## 12.1.5UI04 – View template

### 12.1.5.1 UI04.01 – Create view template

View Template Name:

Current Application Class: ECL-ABY682-001.1

Identification	ECL-ABY682-001.1
Preferred Name	Absorbent cotton packing_1

Filter section

Filter:

[View all](#) [Filter properties](#)

#	Entity	Property Identifier	Property Preferred Name	Order	Mandatory	Order Relevance	Groups
1	1:[ABY682 ]	ECL-BAJ012-002	Pharmazentralnummer	↓	<input type="checkbox"/>	<input type="checkbox"/>	
2	1:[ABY682 ]	ECL-BAJ013-001	Health Industry Barcode	↑ ↓	<input type="checkbox"/>	<input type="checkbox"/>	
3	1:[ABY682 ]	ECL-AAA501-001	Breite der Tamponade	↑ ↓	<input type="checkbox"/>	<input type="checkbox"/>	
4	1:[ABY682 ]	ECL-AAA764-001	Länge der Tamponade	↑ ↓	<input type="checkbox"/>	<input type="checkbox"/>	
5	1:[ABY682 ]	ECL-BAB542-001	Lieferanten-Name	↑ ↓	<input type="checkbox"/>	<input type="checkbox"/>	
6	1:[ABY682 ]	ECL-AAA845-001	Material der Tamponade	↑ ↓	<input type="checkbox"/>	<input type="checkbox"/>	
7	1:[ABY682 ]	ECL-AAB033-001	Sterilität	↑	<input type="checkbox"/>	<input type="checkbox"/>	

Figure 12: Create view template

### 12.1.5.2 UI04.02 – Set order of properties

View Template Name:

Current Application Class: ECL-ABY682-001.1

Identification	ECL-ABY682-001.1
Preferred Name	Absorbent cotton packing_1

Filter section

Filter:

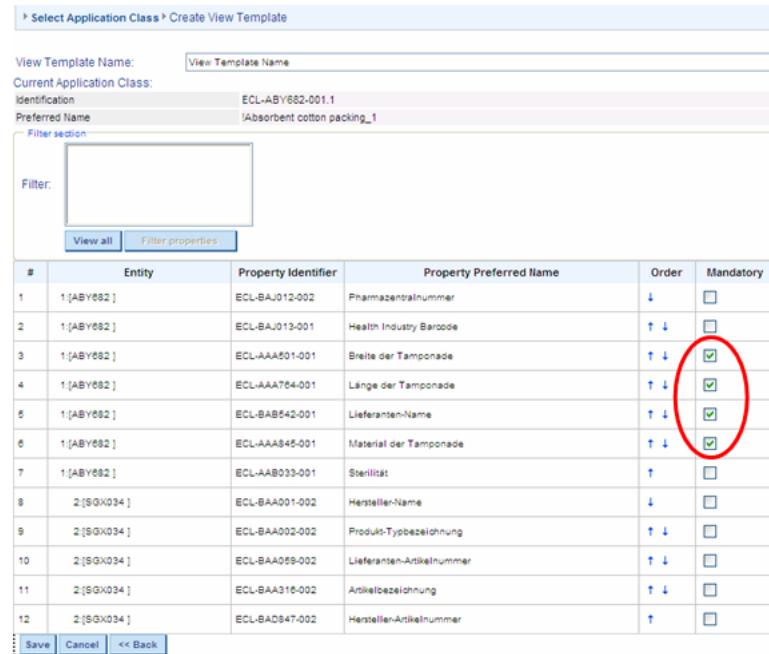
[View all](#) [Filter properties](#)

#	Entity	Property Identifier	Property Preferred Name	Order
1	1:[ABY682 ]	ECL-BAJ012-002	Pharmazentralnummer	↓
2	1:[ABY682 ]	ECL-BAJ013-001	Health Industry Barcode	↑ ↓
3	1:[ABY682 ]	ECL-AAA501-001	Breite der Tamponade	↑ ↓
4	1:[ABY682 ]	ECL-AAA764-001	Länge der Tamponade	↑ ↓
5	1:[ABY682 ]	ECL-BAB542-001	Lieferanten-Name	↑ ↓
6	1:[ABY682 ]	ECL-AAA845-001	Material der Tamponade	↑ ↓
7	1:[ABY682 ]	ECL-AAB033-001	Sterilität	↑
8	2:[SGX034 ]	ECL-BA001-002	Hersteller-Name	↓
9	2:[SGX034 ]	ECL-BAA002-002	Produkt-Typbezeichnung	↑ ↓
10	2:[SGX034 ]	ECL-BAA059-002	Lieferanten-Artikelnummer	↑ ↓
11	2:[SGX034 ]	ECL-BAA316-002	Artikelbezeichnung	↑ ↓
12	2:[SGX034 ]	ECL-BAD847-002	Hersteller-Artikelnummer	↑

[Save](#) [Cancel](#) [<< Back](#)

Figure 13: Create order of properties

### 12.1.5.3 UI04.03 – Set mandatory property



#	Entity	Property Identifier	Property Preferred Name	Order	Mandatory
1	1[ABY002]	ECL-BAJ012-002	Pharmazentralnummer	↑ ↓	<input type="checkbox"/>
2	1[ABY002]	ECL-BAJ013-001	Health Industry Barcode	↑ ↓	<input type="checkbox"/>
3	1[ABY002]	ECL-AAA501-001	Breite der Tamponade	↑ ↓	<input checked="" type="checkbox"/>
4	1[ABY002]	ECL-AAA764-001	Länge der Tamponade	↑ ↓	<input checked="" type="checkbox"/>
5	1[ABY002]	ECL-BAA542-001	Lieferanten-Name	↑ ↓	<input checked="" type="checkbox"/>
6	1[ABY002]	ECL-AAA845-001	Material der Tamponade	↑ ↓	<input checked="" type="checkbox"/>
7	1[ABY002]	ECL-AAB033-001	Sterilität	↑ ↓	<input type="checkbox"/>
8	2[SGX034]	ECL-BAA001-002	Hersteller-Name	↑ ↓	<input type="checkbox"/>
9	2[SGX034]	ECL-BAA002-002	Produkt-Typbezeichnung	↑ ↓	<input type="checkbox"/>
10	2[SGX034]	ECL-BAA059-002	Lieferanten-Artikelnummer	↑ ↓	<input type="checkbox"/>
11	2[SGX034]	ECL-BAA316-002	Artikelbezeichnung	↑ ↓	<input type="checkbox"/>
12	2[SGX034]	ECL-BAD847-002	Hersteller-Artikelnummer	↑ ↓	<input type="checkbox"/>

Save Cancel << Back

Figure 14: set mandatory properties

## 12.2 Hardware Interfaces

none

## 12.3 Software Interfaces

### 12.3.1 ISO29002-20 WebService

ISO/TS 29002-20 specifies an interface to retrieve information from a concept dictionary. Three sets of capabilities, called "services", are defined:

- ▶ Location Service: given a registration authority identifier, returns location on the Internet of Terminology and Ontology servers for the registration authority;
- ▶ Terminology Service: search for concepts, languages, and other elements of the dictionary based on a rich set of keywords, search criteria, and expressions; given an international registration data identifier (IRDI) in the format defined in ISO/TS 29002-5, retrieve terminological information;
- ▶ Ontology Service: retrieve ontological information about a concept based on the concept's IRDI.

### 12.3.2 ISO22475-30 WebService

ISO 22745-30 specifies a conceptual information model for identification guides and the datatypes necessary to support identification guides. ISO 22745-30 also specifies an Extensible Markup Language (XML) exchange structure for identification guides. The conceptual model is in the Unified Modeling Language (UML). The physical file format is based on the Extensible Markup Language (XML).

The following are within the scope of ISO 22745-30:

- conceptual model for identification guides;
- exchange format for identification guides.

## 12.4 Communications Interfaces

None



## 13 Licensing Requirements

### 13.1 eCl@ss licensing requirements

PEPPOL has signed a MOU with eCl@ss that allows PEPPOL to use eCl@ss content within the PEPPOL pilot phase free of charge.

### 13.2 eptos™ licensing requirements

PEPPOL PPS is provided as a service by Paradine. No software license is acquired.

### 13.3 Other PEPPOL related licenses / patents

None known.



## 13.4 PEPPOL PPS Browse and Search

### 13.4.1 Introduction

### 13.4.2 Purpose

The purpose of this Storybook is to provide an overview and to guide the user in handling functions affiliated to searching structural elements.

### 13.4.3 Scope

In scope of this document:

Out of scope: to propose other functionalities or amendments.

### 13.4.4 Definitions, Acronyms and Abbreviations

SE - Structural Element

CC - Classification Class

AC - Application Class

PR - Property

VaL - Value List

VL - Value

KW - Keyword

SY - Synonym

### 13.4.5 References

[https://sp.paradine.at/sites/Teamsite/Solution/PEPPOL-ePPS/N-Docs/PEPPOL-ePPS-Implementation-0001-SRS-Software\\_Requirements\\_Specification\\_v1.0.pdf](https://sp.paradine.at/sites/Teamsite/Solution/PEPPOL-ePPS/N-Docs/PEPPOL-ePPS-Implementation-0001-SRS-Software_Requirements_Specification_v1.0.pdf)



## 14 Browse and Search

In the PEPPOL Portal, a user can search on-line for structural elements available in the release. The user can search according to pattern i.e. Classification Classes, Properties, Values, Units, Keywords, Synonyms, as well as and by inputting the preferred name, eCI@ss Coded Name or Identification.

The Portal language can be changed from the drop-down menu located on top of the left hand menu and the content language from the top of the hierarchy, as shown below:

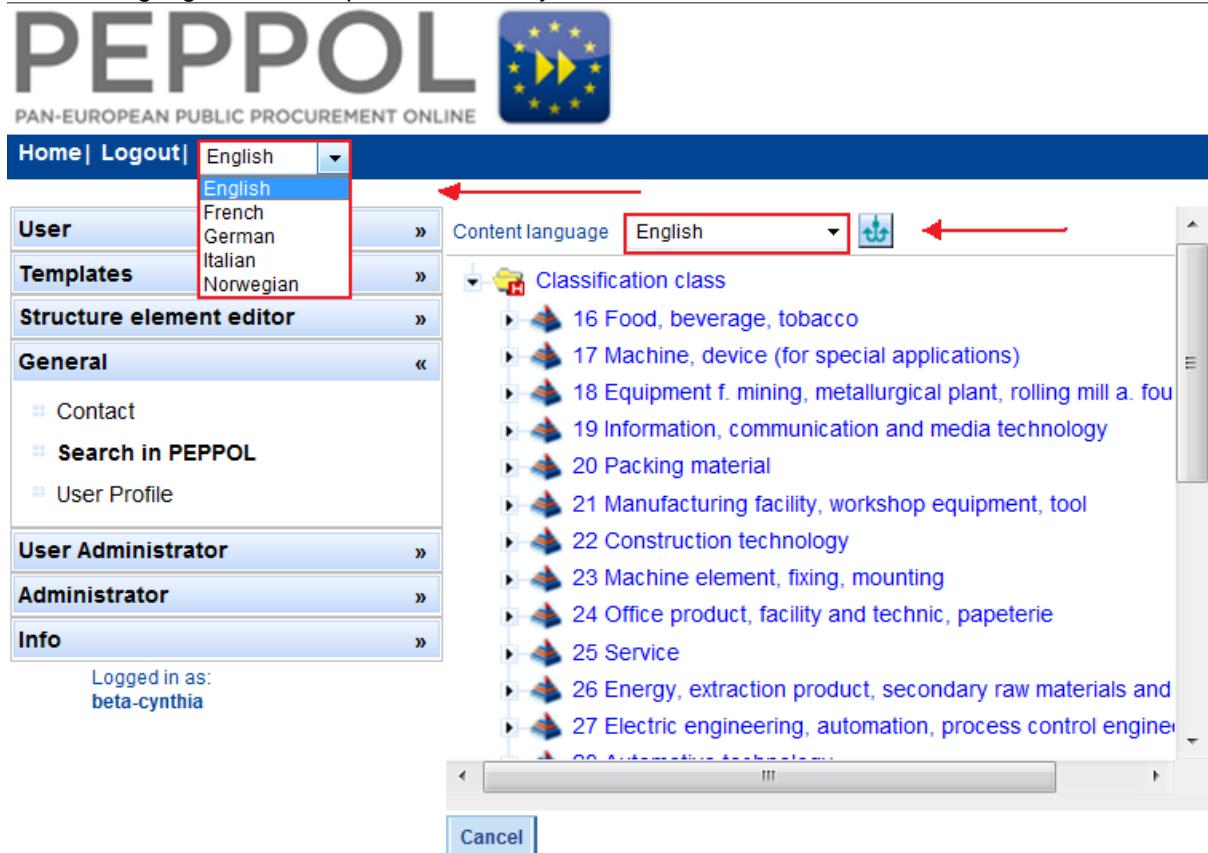


Figure 15 Change Language

### 14.1 Hierarchical Browsing

Hierarchical browsing refers to expanding the nodes and selecting the respective structural element in order to display its details.

#### 14.1.1 Icon Legend

In the hierarch, every structural element is designated by an icon. These have the following meaning:

-  → Classification Classes
-  → Application Classes
-  → Properties
-  → List of Values
-  → Value

### 14.1.2 Browse Classification Classes

**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the entire hierarchical system displays segments that can be expanded.

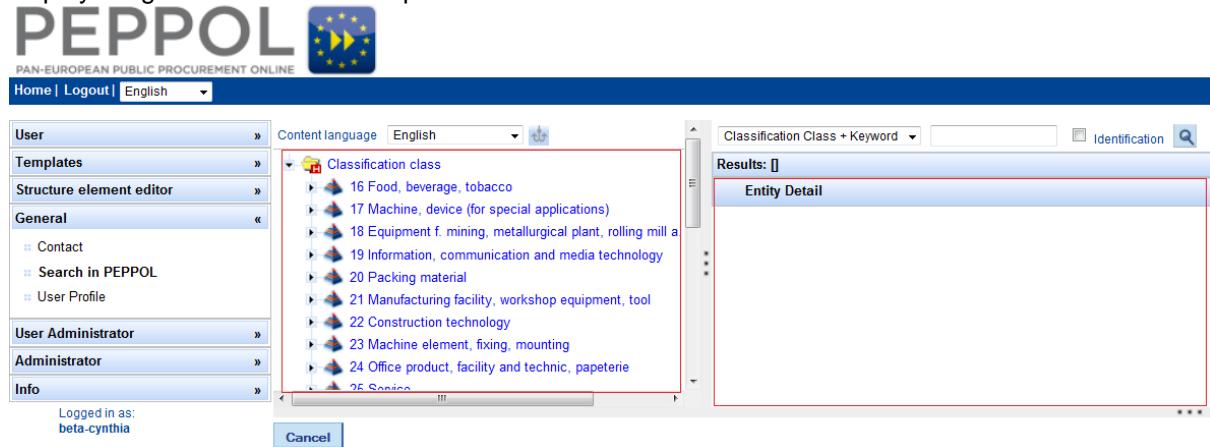


Figure 16 Search in PEPPOL

**Step 2:** In this view, the user can browse by clicking the nodes of the structural elements. The tree expands and displays the existing SEs:

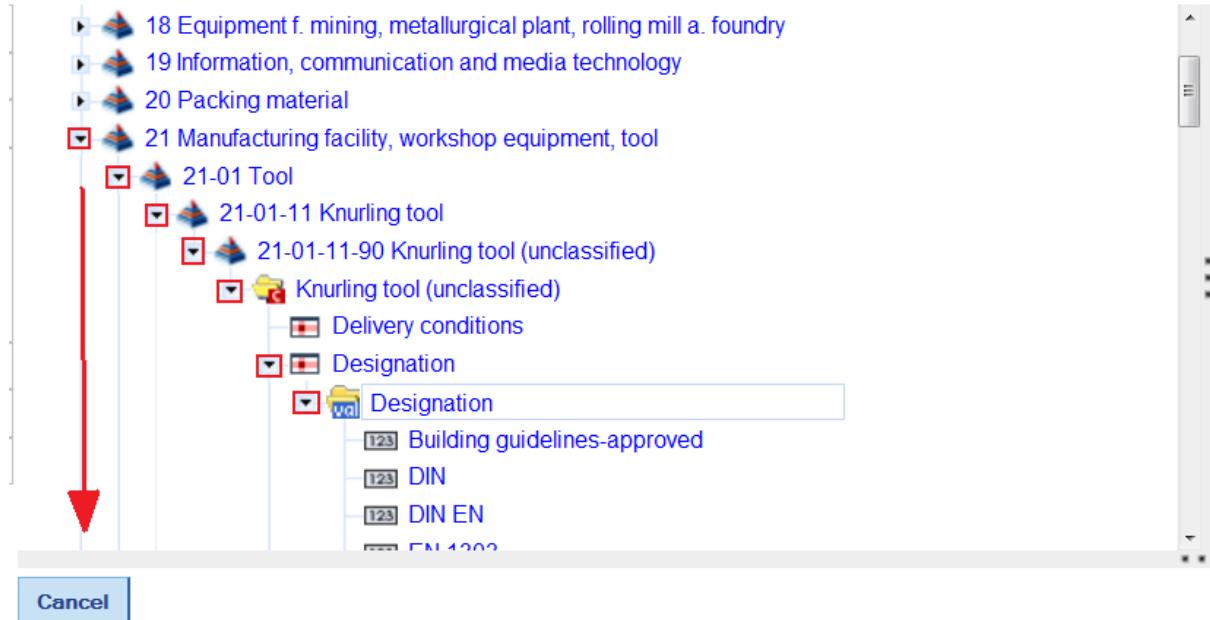


Figure 17 Expanded Hierarchy

The first four levels are destined to Classification Classes. These are recognizable by their icon and their eCI@ss Coded Name:

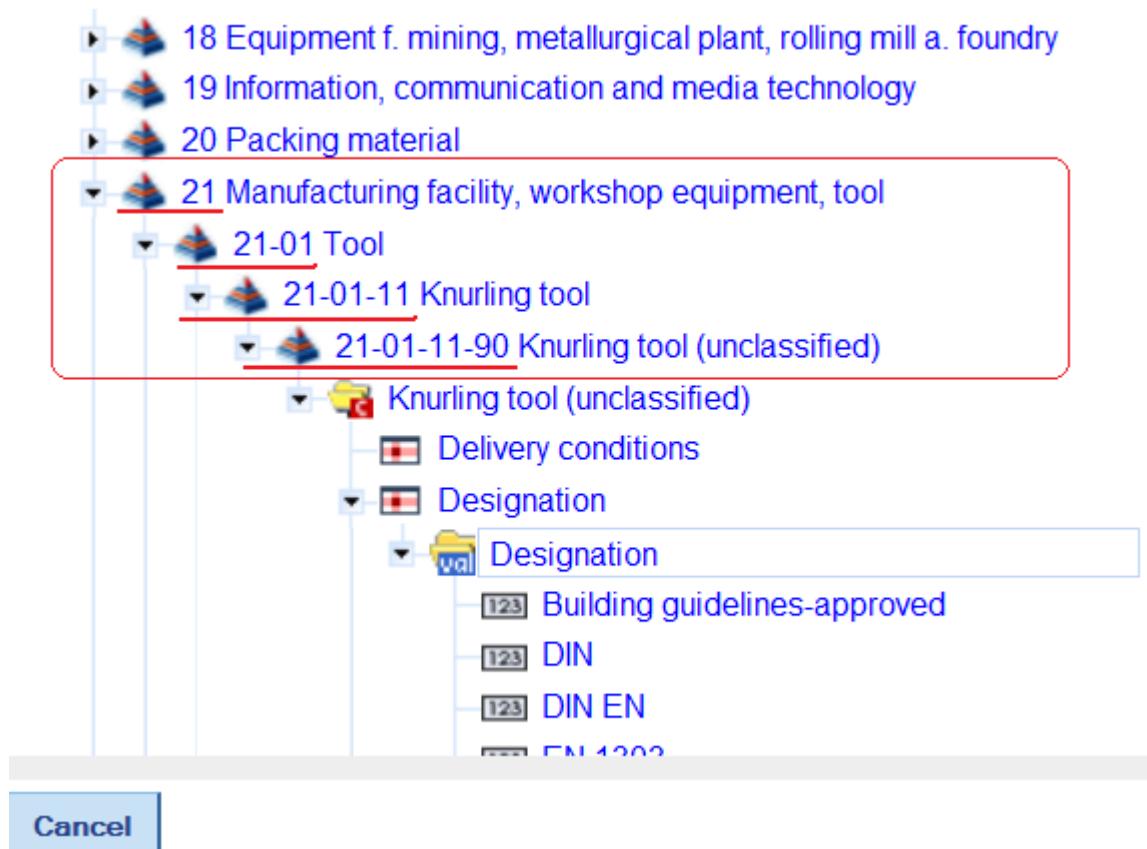


Figure 18 Classification Classes

**NB:** Classification Classes have a unique eCl@ss coded name which also indicates the level on which the respective class is situated:

**21-00-00-00 → first level**

**21-01-00-00 → second level**

**21-01-11-00 → third level**

**21-01-11-90 → fourth level**

In the hierarchy, this code is being displayed in its short version, i.e. the zeros are not being displayed. But in the details view, the user sees the entire code.

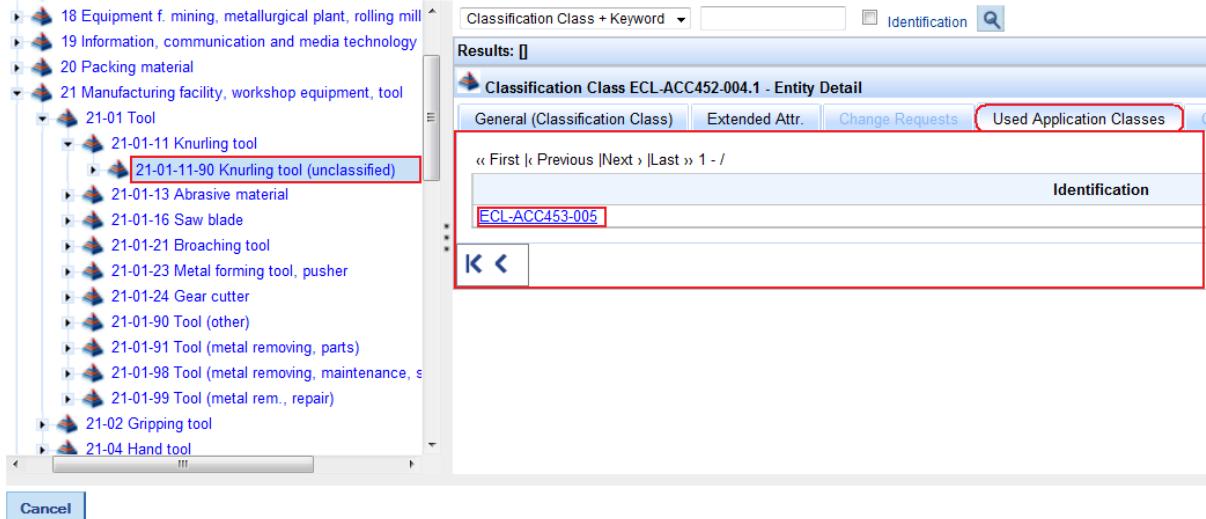
**Step 3:** To see the entity details, click on the structural element in the hierarchy:

General (Classification Class)	Extended Attr.	Change Requests	Cross-References
Preferred Name eCl@ss-coded name Identification Short name Type Definition Source of definition Synonyms Remark Superclass Version date Tag	Knurling tool 21-01-11-00 ECL-AAA213-005 <a href="#">[Copy to clipboard]</a>		

Figure 19 View CC Details

By default, the system displays the [General] TAB. Other TAB details can be viewed by pressing on the respective TAB under the condition that it is active.

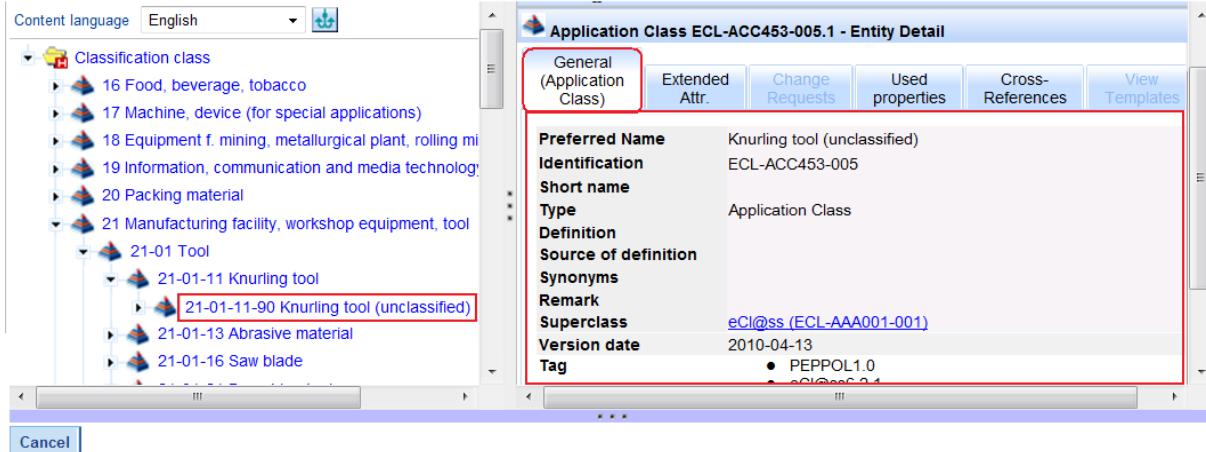
**Step 4:** CCs situated on fourth level also contain a TAB dedicated to the contained AC. Click on [Used Application Classes] TAB to display its contents:



The screenshot shows a hierarchical tree view on the left with categories like '18 Equipment f. mining, metallurgical plant, rolling mill', '19 Information, communication and media technology', '20 Packing material', and '21 Manufacturing facility, workshop equipment, tool'. Under '21', there's a 'Tool' category with sub-items: '21-01-11 Knurling tool', '21-01-13 Abrasive material', '21-01-16 Saw blade', '21-01-21 Broaching tool', '21-01-23 Metal forming tool, pusher', '21-01-24 Gear cutter', '21-01-90 Tool (other)', '21-01-91 Tool (metal removing, parts)', '21-01-98 Tool (metal removing, maintenance, s', '21-01-99 Tool (metal rem., repair)', '21-02 Gripping tool', and '21-04 Hand tool'. A specific item, '21-01-11 Knurling tool (unclassified)', is highlighted with a red box. To the right, a detailed view of 'Classification Class ECL-ACC452-004.1 - Entity Detail' is shown. The 'Used Application Classes' tab is highlighted with a red box. Below it, the 'Identification' section shows the identifier 'ECL-ACC453-005' in a red box. Navigation arrows are also highlighted with red boxes.

Figure 20 Used AC TAB

**Step 5:** To view the used ACs, click the Identification link and the portal displays the details of the AC:



The screenshot shows a similar hierarchical tree view on the left. The 'Used Application Classes' tab from Figure 20 is now active, displaying the 'Application Class ECL-ACC453-005.1 - Entity Detail' screen. The 'General (Application Class)' tab is highlighted with a red box. The main content area shows fields like 'Preferred Name' (Knurling tool (unclassified)), 'Identification' (ECL-ACC453-005), 'Short name', 'Type' (Application Class), 'Definition', 'Source of definition', 'Synonyms', 'Remark', 'Superclass' (eCl@ss (ECL-AAA001-001)), 'Version date' (2010-04-13), and 'Tag' (PEPPOL1.0, eCl@ss 2.1). These fields are all enclosed in a large red box.

Figure 21 AC General Details

To exit the hierarchy, press .

### 14.1.3 Browse Application Classes

**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the entire hierarchical system displays segments that can be expanded.

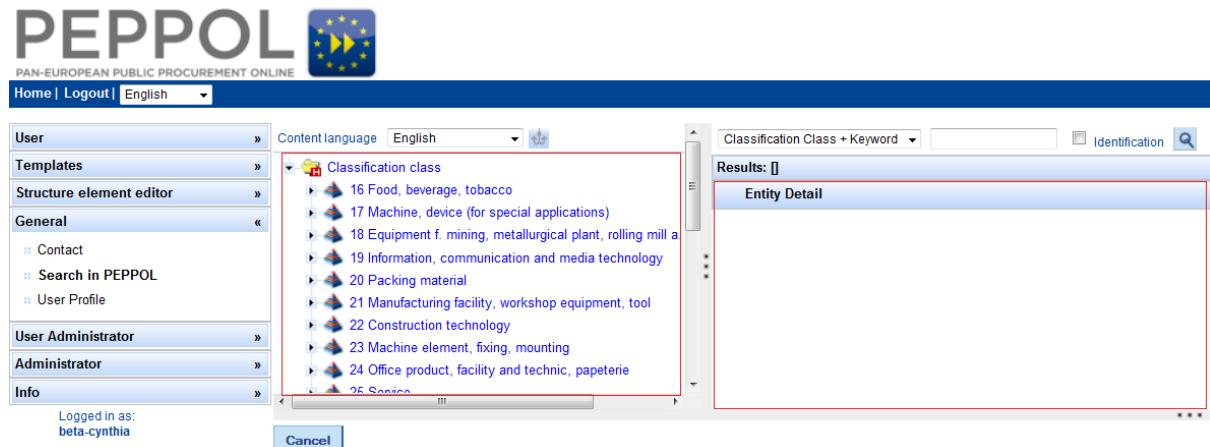


Figure 22 Search in PEPPOL

**Step 2:** In this view, browse by clicking up to the node of a Classification Class on fourth level. The tree expands and displays the used Application Class:

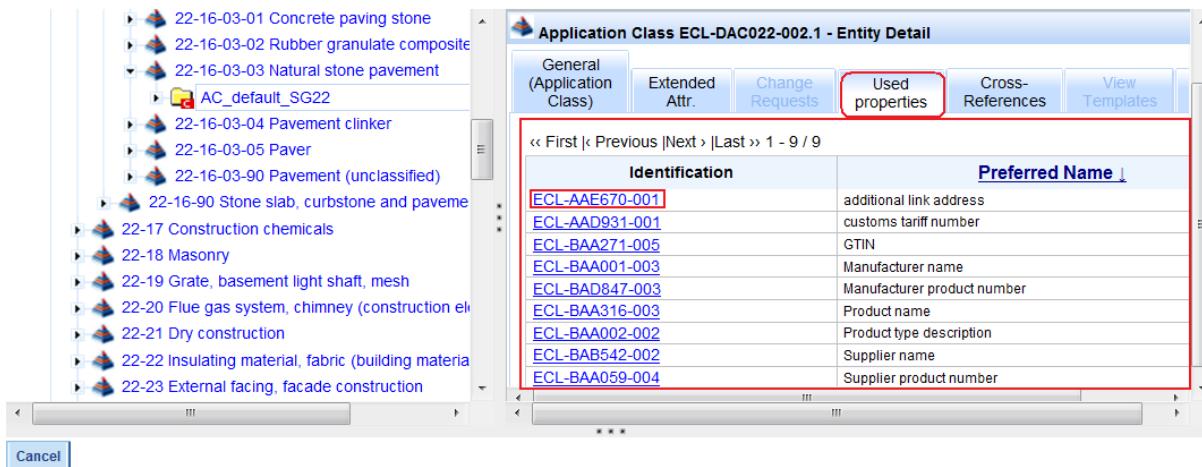
Figure 23 Application Class

**Step 3:** To see the entity details, click on the AC in the hierarchy. The system displays the entity details on the right-hand panel:

Preferred Name	AC_default_SG22
Identification	ECL-DAC022-002
Short name	
Type	Application Class
Definition	
Source of definition	
Synonyms	
Remark	
Superclass	eCl@ss (ECL-AAA001-001)

Figure 24 AC Details

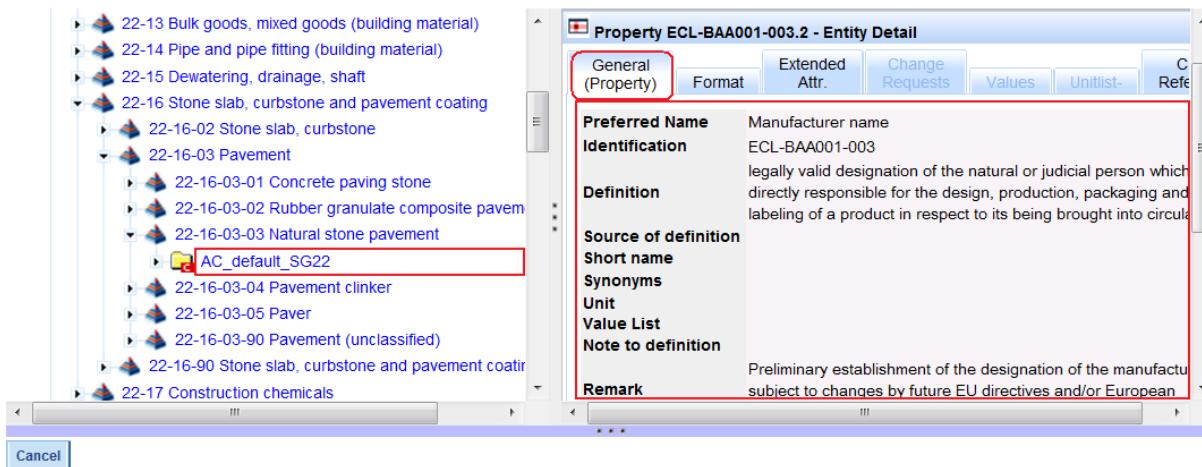
**Step 4:** To view more details, press the desired TAB, e.g. the [Used Properties] TAB. The portal renders the properties assigned to this AC:



Identification	Preferred Name
ECL-AAE670-001	additional link address
ECL-AAD931-001	customs tariff number
ECL-BAA271-005	GTIN
ECL-BAA001-003	Manufacturer name
ECL-BAD847-003	Manufacturer product number
ECL-BAA316-003	Product name
ECL-BAA002-002	Product type description
ECL-BAB542-002	Supplier name
ECL-BAA059-004	Supplier product number

Figure 25 Used Properties of AC

**Step 5:** The used PRs are displayed in a list, whereas their Identification can be clicked and the system renders the PR details:



**Property ECL-BAA001-003.2 - Entity Detail**

Preferred Name	Manufacturer name
Identification	ECL-BAA001-003
Definition	legally valid designation of the natural or judicial person which directly responsible for the design, production, packaging and labeling of a product in respect to its being brought into circulation
Source of definition	
Short name	
Synonyms	
Unit	
Value List	
Note to definition	
Remark	Preliminary establishment of the designation of the manufacturer subject to changes by future EU directives and/or European

Figure 26 Used Property Details

To exit the hierarchy, press .

#### 14.1.4 Browse Properties

**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the entire hierarchical system displays segments that can be expanded.

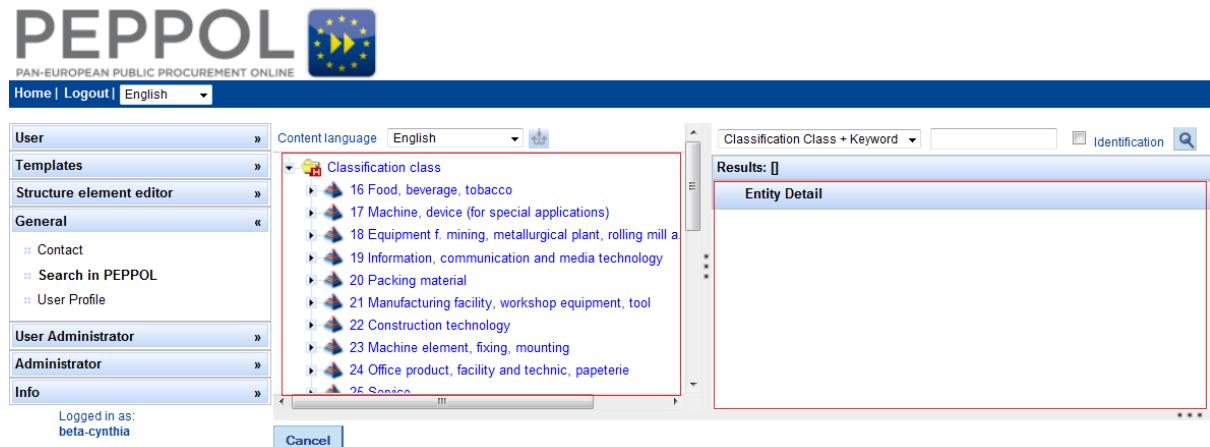


Figure 27 Search in PEPPOL

**Step 2:** In this view, browse by clicking up to the node of an Application Class. The tree expands and displays the used Properties:

Figure 28 Properties

**Step 3:** To see the entity details, click on the PR in the hierarchy. The system displays the entity details on the right-hand panel:

Figure 29 PR Details

**Step 4:** To view more details, press the desired TAB, as described in the chapters above.

To exit the hierarchy, press .

### 14.1.5 Browse Values / List of Values

**NB:** The Values of properties are contained in a Value List.

**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the entire hierarchical system displays segments that can be expanded.

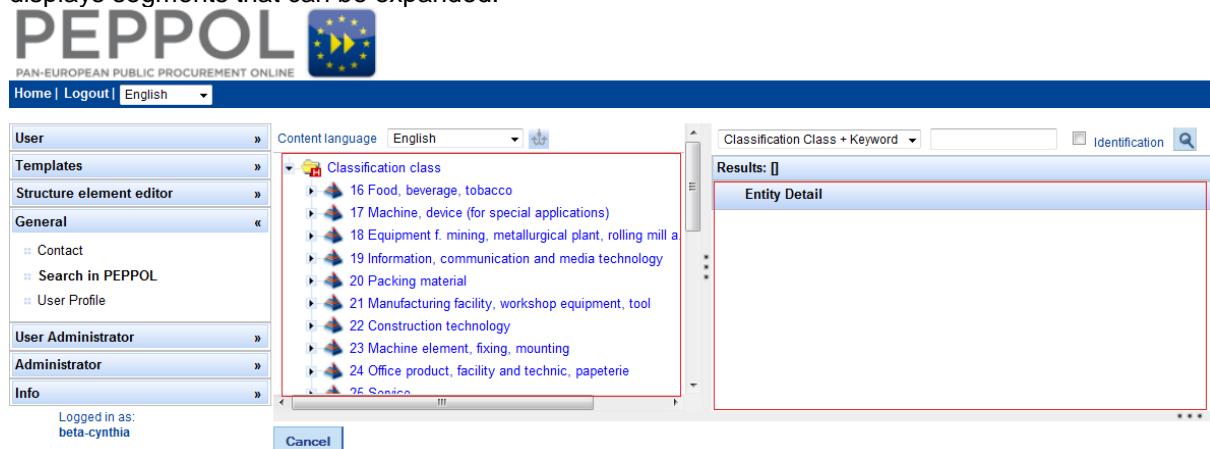


Figure 30 Search in PEPPOL

**Step 2:** In this view, browse by clicking up to the node of a Property. The tree expands and displays a Value List:

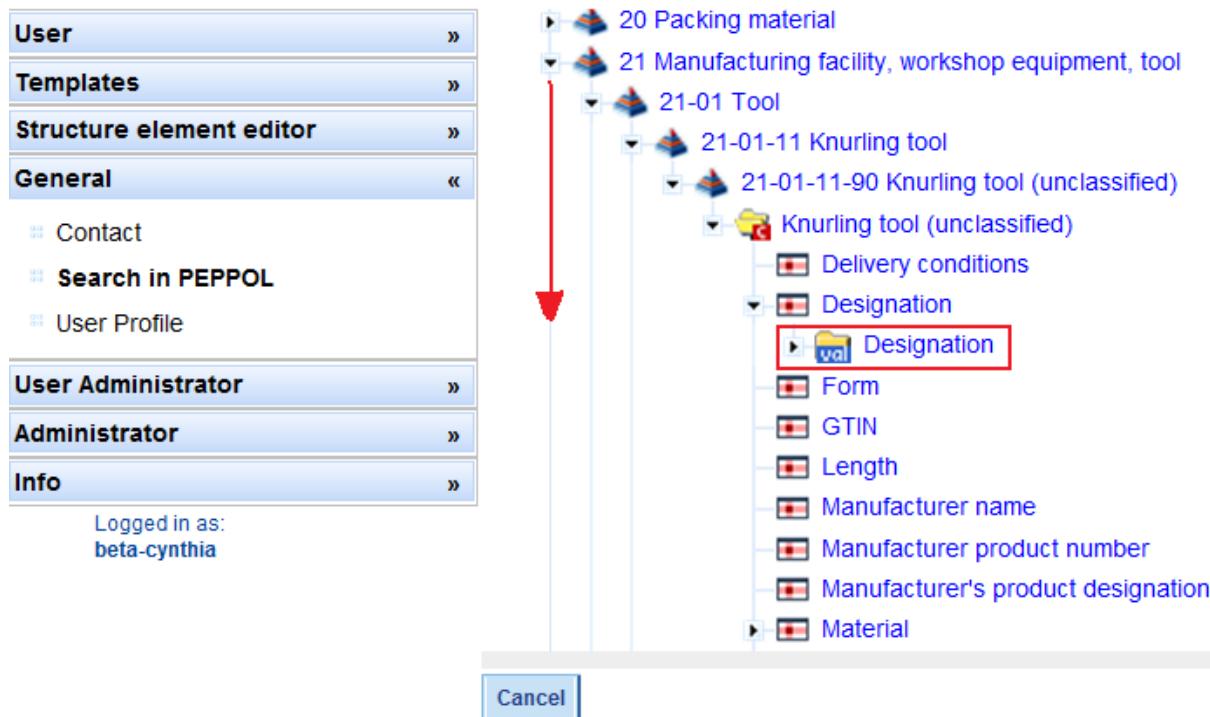


Figure 31 Value List

**Step 3:** Expand the node of the Value List and the portal renders the used Values.

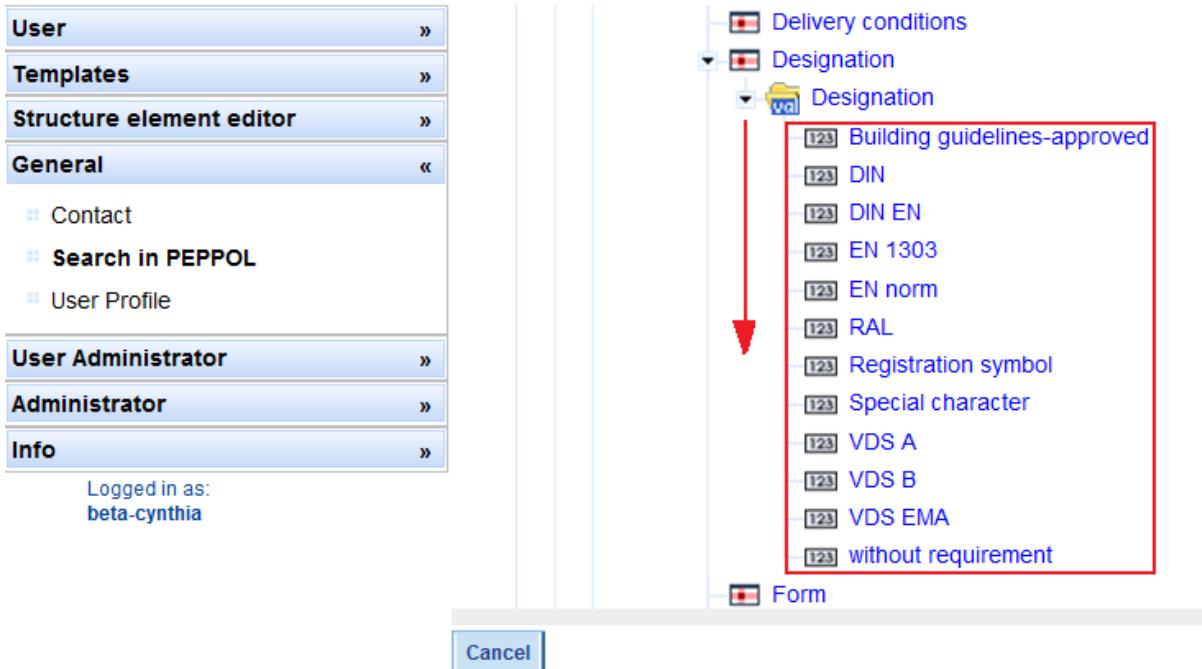


Figure 32 Used Values in Value List

**Step 4:** To see the entity details, click on the Value in the hierarchy. The system displays the entity details on the right-hand panel:

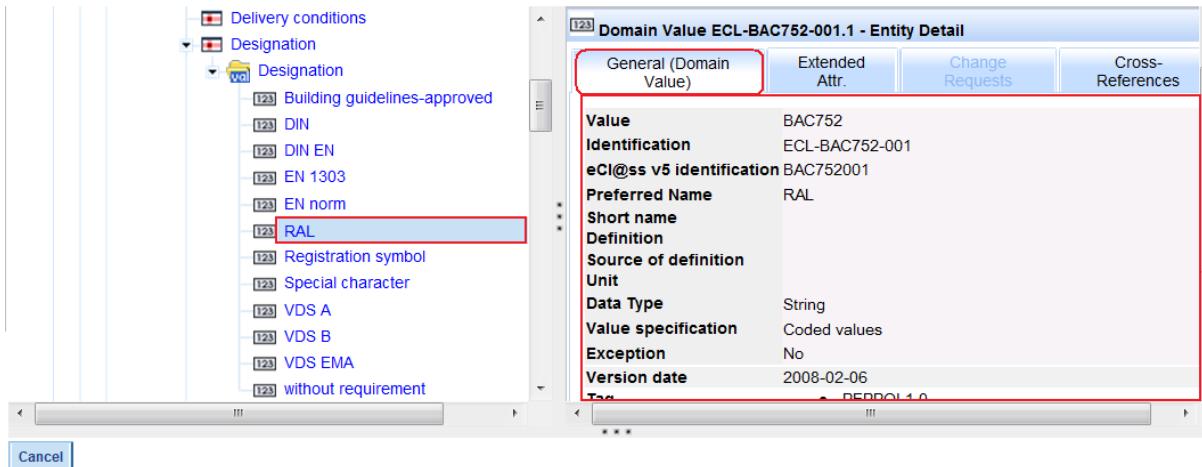


Figure 33 VL Details

**Step 5:** To view more details, press the desired TAB, as described in the chapters above.

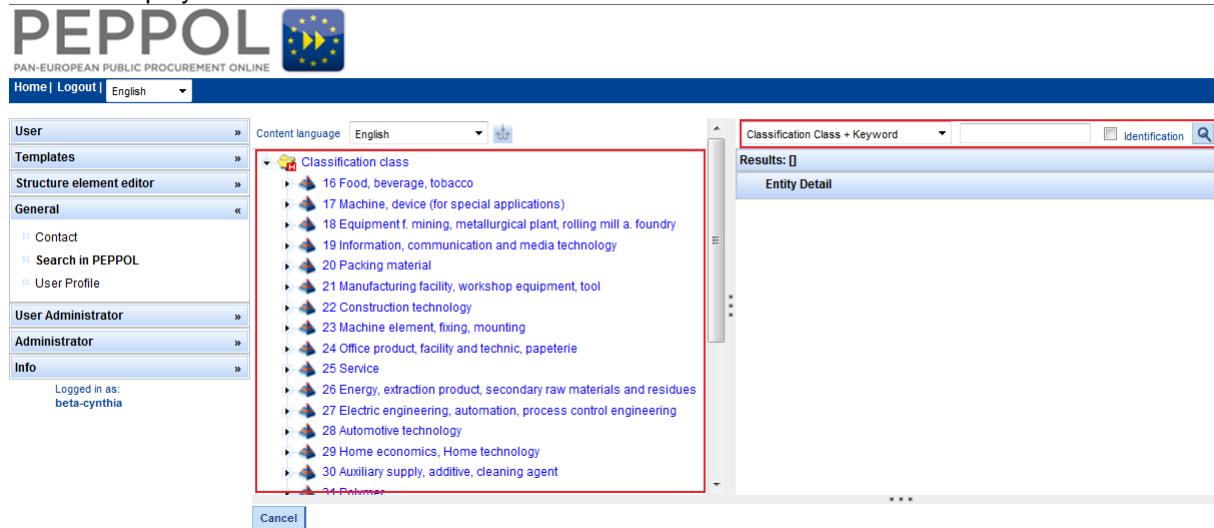
To exit the hierarchy, press **Cancel**.

## 14.2 Search for Structural Elements

The user can choose to filter the search by selecting the pattern of the SE from the drop-down menu, namely Classification Classes + Keywords, Classification Classes, Properties, Values, Units Keywords, and Synonyms.

## 14.2.1 Search for Classification Classes + Keywords

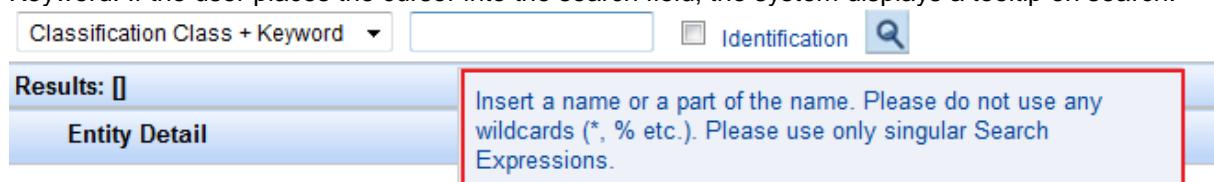
**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the hierarchy and the search field are displayed:



The screenshot shows the PEPPOL software interface. On the left, there is a navigation sidebar with links like User, Templates, Structure element editor, General (which is expanded), Contact, Search in PEPPOL, User Profile, User Administrator, Administrator, and Info. Below the sidebar, it says "Logged in as: beta-cynthia". In the center, there is a search interface. At the top right, there is a dropdown menu labeled "Classification Class + Keyword" with a search icon, and a checkbox labeled "Identification". Below this is a search bar with the placeholder "Results: []" and a link "Entity Detail". A large red box highlights the "Classification Class" dropdown menu, which is expanded to show a list of classification codes and descriptions, such as 16 Food, beverage, tobacco; 17 Machine, device (for special applications); 18 Equipment f. mining, metallurgical plant, rolling mill a. foundry; etc. At the bottom right of the search interface is a "Cancel" button.

Figure 34 Search View

**Step 2:** The drop-down selector located on the right-hand is set by default to search Classification Class + Keyword. If the user places the cursor into the search field, the system displays a tooltip on search:



This screenshot shows a tooltip box with a red border. Inside the box, there is a message: "Insert a name or a part of the name. Please do not use any wildcards (\*, % etc.). Please use only singular Search Expressions." The tooltip is positioned over the search input field in Figure 34.

Figure 35 Search Tooltip

**Step 3:** Enter the search term in the input field. If search is done by Identification (for CCs, it is the eCI@ss coded name), the affiliated checkbox must be ticked:

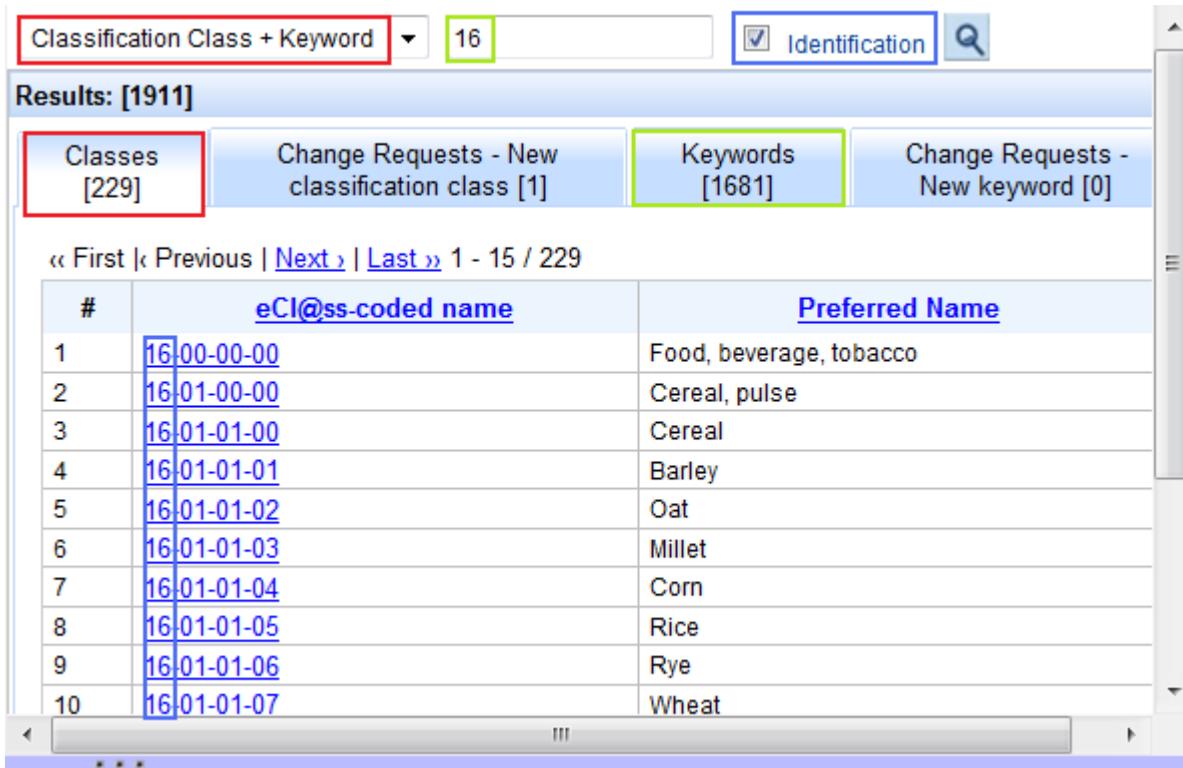
**NB:** The search term can be the Name or the Identification. The user can insert the entire name or identification or just a part.



This screenshot shows the search interface again. The search input field contains the number "16". To its right is a checkbox labeled "Identification" which is checked, indicated by a blue border around the checkbox. Next to the checkbox is a magnifying glass icon. Below the search bar, the "Results: []" and "Entity Detail" buttons are visible. The "Identification" checkbox is highlighted with a red box.

Figure 36 Identification Checkbox

**Step 4:** Click the  button and the system return the list of results according to the search criteria:



The screenshot shows a software interface for managing classification classes and keywords. At the top, there is a search bar with the text "Classification Class + Keyword" and a dropdown menu set to "16". To the right of the search bar are two checkboxes: "Identification" (which is checked) and a magnifying glass icon. Below the search bar, the text "Results: [1911]" is displayed.

Below this, there are four tabs: "Classes [229]" (highlighted with a red border), "Change Requests - New classification class [1]", "Keywords [1681]" (highlighted with a green border), and "Change Requests - New keyword [0]".

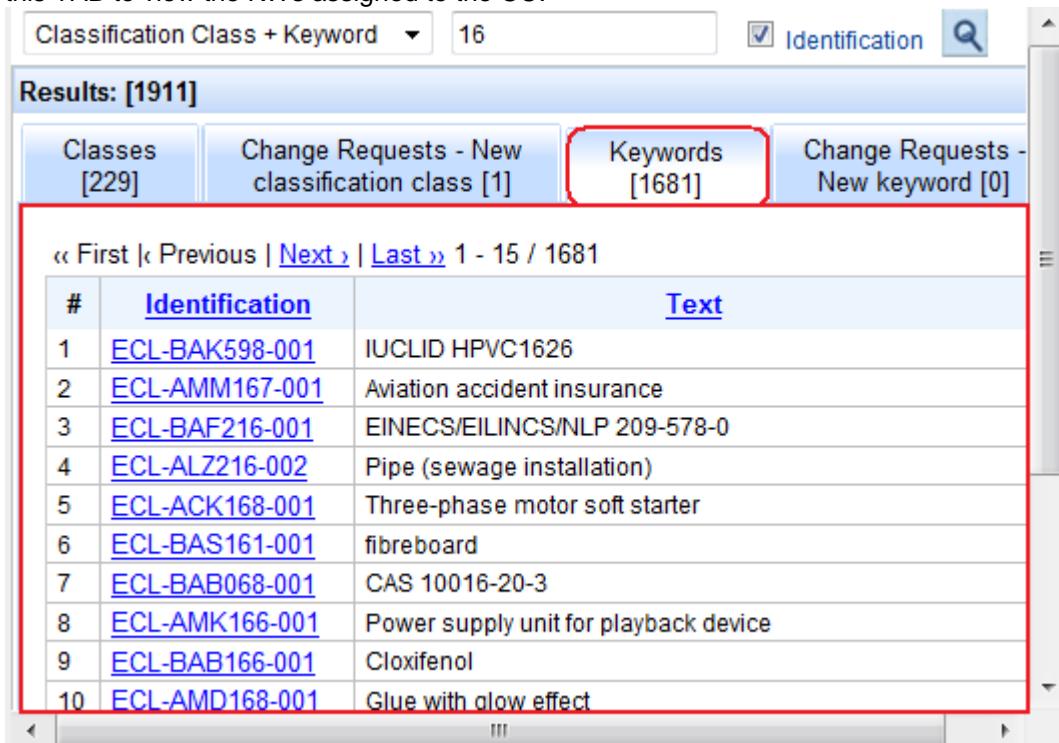
Under the "Keywords" tab, there is a message: "« First | < Previous | Next > | Last » 1 - 15 / 229". Below this, a table lists 10 entries:

#	eCl@ss-coded name	Preferred Name
1	16.00-00-00	Food, beverage, tobacco
2	16.01-00-00	Cereal, pulse
3	16.01-01-00	Cereal
4	16.01-01-01	Barley
5	16.01-01-02	Oat
6	16.01-01-03	Millet
7	16.01-01-04	Corn
8	16.01-01-05	Rice
9	16.01-01-06	Rye
10	16.01-01-07	Wheat

Figure 37 List of Results

To view the entity details, click on the eCl@ss coded name.

**Step 5:** In addition, the [Keywords] TAB is also being displayed, as the filter was set on CC + KW. Click on this TAB to view the KWs assigned to the CC:



The screenshot shows a software interface similar to Figure 37, but with the "Keywords" tab selected (highlighted with a red border). The search bar at the top shows "Classification Class + Keyword" and "16", with the "Identification" checkbox checked.

Below the search bar, the text "Results: [1911]" is displayed. The "Keywords" tab is highlighted with a red border. The other tabs are: "Classes [229]", "Change Requests - New classification class [1]", and "Change Requests - New keyword [0]".

Under the "Keywords" tab, there is a message: "« First | < Previous | Next > | Last » 1 - 15 / 1681". Below this, a table lists 10 entries:

#	Identification	Text
1	ECL-BAK598-001	IUCLID HPVC1626
2	ECL-AMM167-001	Aviation accident insurance
3	ECL-BAF216-001	EINECS/EILINCS/NLP 209-578-0
4	ECL-ALZ216-002	Pipe (sewage installation)
5	ECL-ACK168-001	Three-phase motor soft starter
6	ECL-BAS161-001	fibreboard
7	ECL-BAB068-001	CAS 10016-20-3
8	ECL-AMK166-001	Power supply unit for playback device
9	ECL-BAB166-001	Cloxfenol
10	ECL-AMD168-001	Glue with glow effect

Figure 38 List of KWs

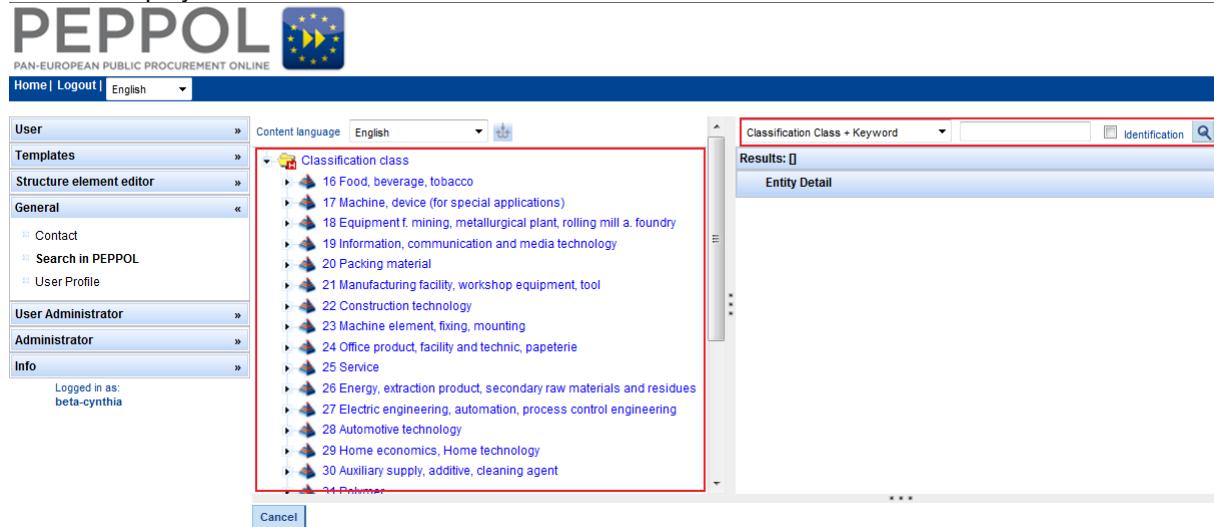
The results may spread over several pages, so the user can browse the list by pressing the links  
[« First](#) | [« Previous](#) | [Next >](#) | [Last »](#)

To view the entity details, click the Identification.

To exit, press [Cancel](#).

## 14.2.2 Search for Classification Classes

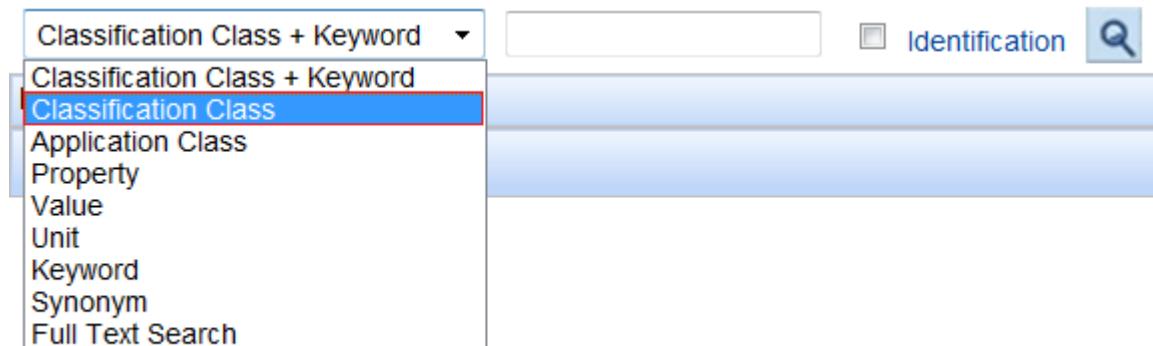
**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the hierarchy and the search field are displayed:



The screenshot shows the PEPPOL search interface. On the left, a sidebar menu is expanded under the 'General' section, listing options like Contact, Search in PEPPOL, and User Profile. The main area displays a hierarchical list of 'Classification class' items, each with a small icon and a number. A red box highlights this list. At the top right, there is a search bar with a dropdown menu set to 'Classification Class + Keyword'. Below the search bar, a button labeled 'Identification' with a magnifying glass icon is visible. The status bar at the bottom left shows 'Logged in as: beta-cynthia'.

Figure 39 Search View

**Step 2:** The drop-down selector located on the right-hand is set by default to search Classification Class + Keyword. Set the search filter to Classification Classes:



A close-up of the search filter dropdown menu. The option 'Classification Class' is selected and highlighted with a blue background. Other options include Classification Class + Keyword, Application Class, Property, Value, Unit, Keyword, Synonym, and Full Text Search.

Figure 40 Search Filter

If the user places the cursor into the search field, the system displays a tooltip on search:



A screenshot of the search interface showing a tooltip. The search field contains 'Classification Class'. A red box highlights the tooltip text: 'Insert a name or a part of the name. Please do not use any wildcards (\*, % etc.). Please use only singular Search Expressions.'

Figure 41 Search Tooltip

**Step 3:** Enter the search term in the input field. If search is done by Identification (for CCs, it is the eCI@ss coded name), the affiliated checkbox must be ticked.

The moment the user starts typing text, the system auto-completes the search term with suggestions:

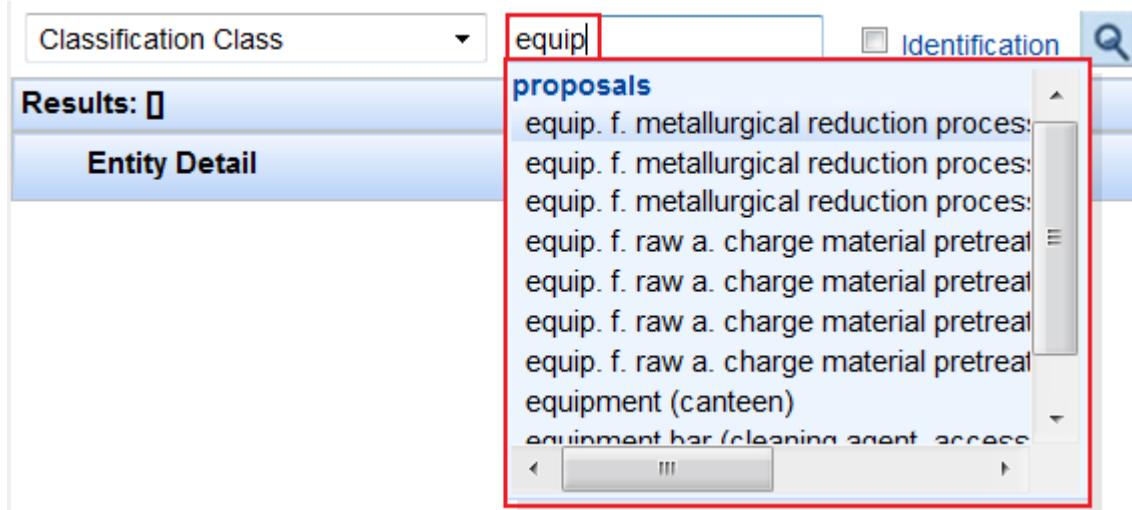


Figure 42 Autocompletion Selector

The lesser text the user enters, the more results are being returned by the system.

The user can scroll the selector in order to retrieve the desired search term, or just enter the own term:

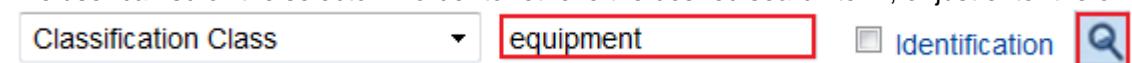


Figure 43 Search Term

**Step 4:** Click the  button and the portal renders the list of results accordingly. All Classification Classes contain the search term:

Classification Class	eCI@ss-coded name	Preferred Name
	17-07-27-00	Press a. equipment f. gluing of solid timber components
	17-07-29-00	Machine a. technical equipment f. surface finishing
	17-07-30-00	Machine a. technical equipment f. assembly, packaging
	18-00-00-00	Equipment f. mining, metallurgical plant, rolling mill a. foundry
	18-01-00-00	Equipment f. raw a. charge material pretreatment
	18-01-91-00	Equipment f. raw a. charge material pretreatment (parts)

Figure 44 List of Results

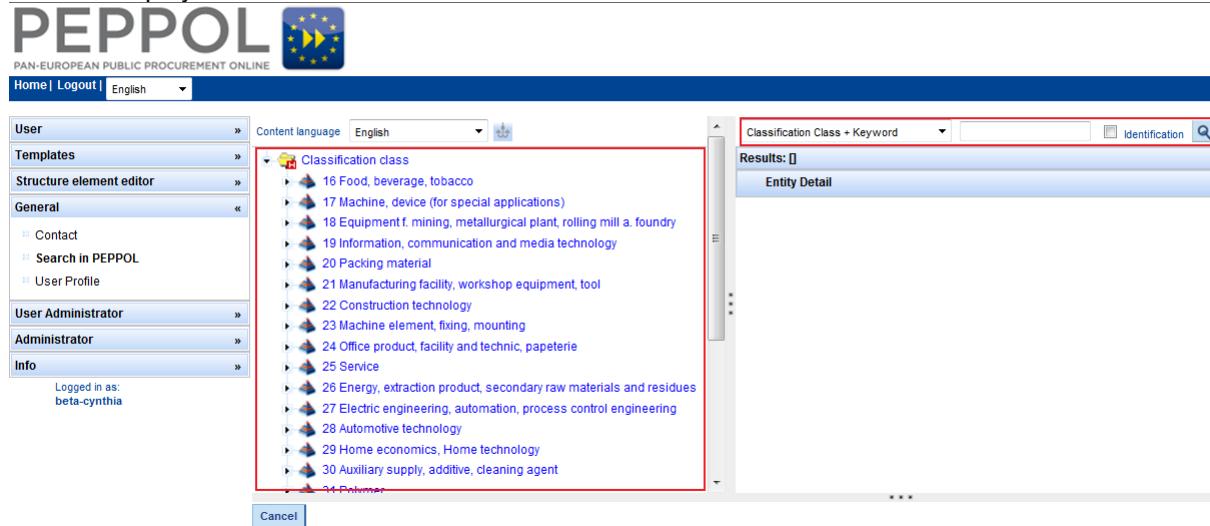
The results may spread over several pages, so the user can browse the list by pressing the links  
[« First](#) | [Previous](#) | [Next](#) | [Last »](#)

To view the entity details, click the eCl@ss coded name.

To exit, press [Cancel](#).

### 14.2.3 Search for Application Classes

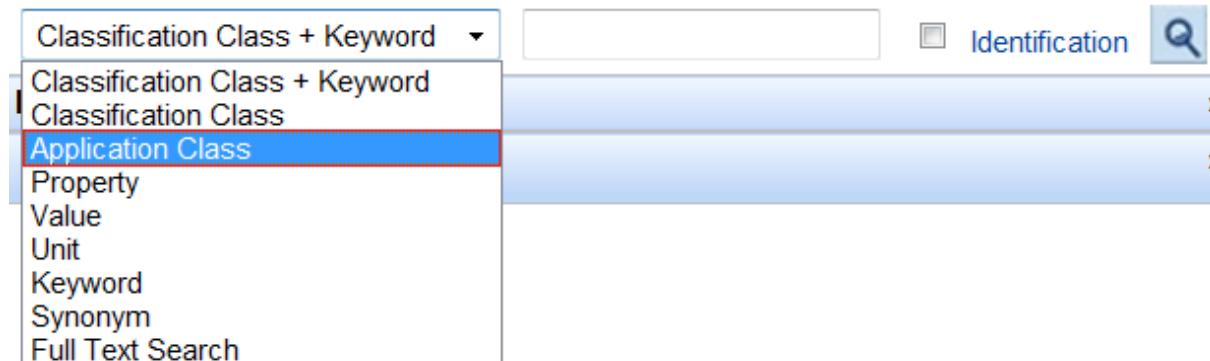
**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the hierarchy and the search field are displayed:



The screenshot shows the PEPPOL software interface. On the left, there is a navigation sidebar with categories like User, Templates, Structure element editor, General (which is expanded to show Contact, Search in PEPPOL, User Profile), User Administrator, Administrator, and Info. Below the sidebar, it says "Logged in as: beta-cynthia". In the center, there is a large tree view under "Classification class" with various categories numbered 16 through 31. To the right of the tree view is a search bar with a dropdown menu set to "Classification Class + Keyword". The search bar also includes a checkbox for "Identification" and a magnifying glass icon. Below the search bar, there is a section titled "Results: []" which currently contains "Entity Detail". At the bottom left is a "Cancel" button.

Figure 45 Search View

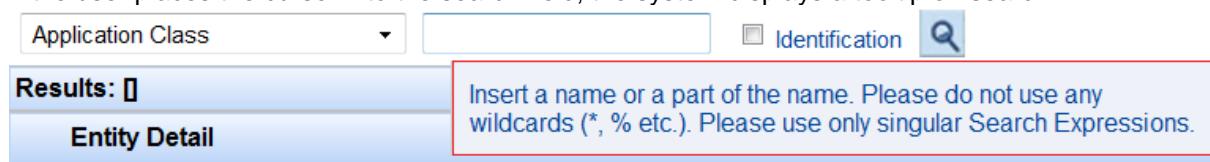
**Step 2:** The drop-down selector located on the right-hand is set by default to search Classification Class + Keyword. Set the search filter to Application Classes:



The screenshot shows a dropdown menu for "Classification Class + Keyword". The options listed are: Classification Class + Keyword, Classification Class, Application Class (which is highlighted with a blue selection bar), Property, Value, Unit, Keyword, Synonym, and Full Text Search. To the right of the dropdown is a search bar with a checkbox for "Identification" and a magnifying glass icon.

Figure 46 Search Filter

If the user places the cursor into the search field, the system displays a tooltip on search:



The screenshot shows the search interface again. The search field contains "Application Class". A tooltip box appears over the search field with the text: "Insert a name or a part of the name. Please do not use any wildcards (\*, % etc.). Please use only singular Search Expressions." The "Identification" checkbox is visible next to the search field.

Figure 47 Search Tooltip

**Step 3:** Enter the search term in the input field. If search is done by Identification (for ACs, it is the Identification), the affiliated checkbox must be ticked.

The moment the user starts typing text, the system auto-completes the search term with proposals:



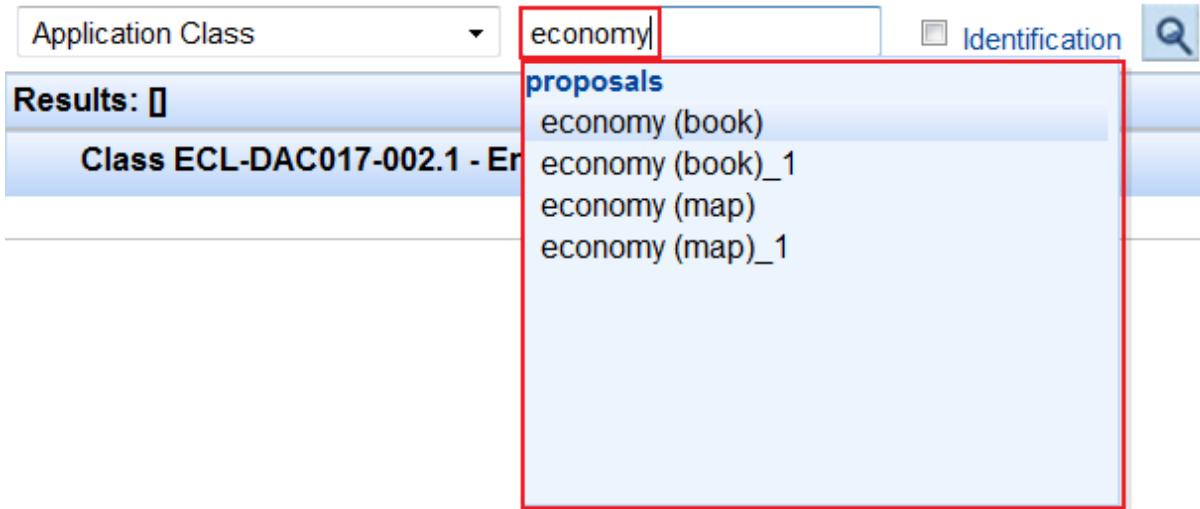


Figure 48 Autocompletion Selector

The lesser text the user enters, the more results are being returned by the system.

The user can scroll the selector in order to retrieve the desired search term, or just enter the own term:

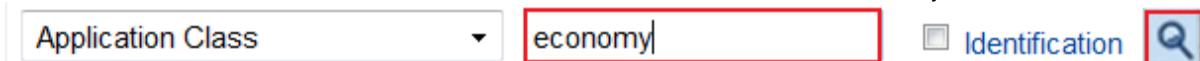
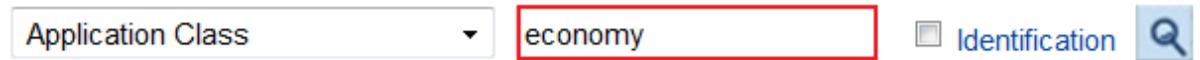


Figure 49 Search Term

**Step 4:** Click the  button and the portal renders the list of results accordingly. All Application Classes contain the search term:



#	<u>Identification</u>	<u>Preferred Name</u>
1	<a href="#">ECL-ACE459-005</a>	Economy (book)
2	<a href="#">ECL-ACD752-005</a>	Economy (map)
3	<a href="#">ECL-ACP290-005</a>	Ground water treatment (waste and cycle economy)
4	<a href="#">ECL-ACP172-005</a>	Soil treatment (waste and cycle economy)
5	<a href="#">ECL-ACO872-005</a>	Building refurbishment (waste and cycle economy)

Figure 50 List of Results

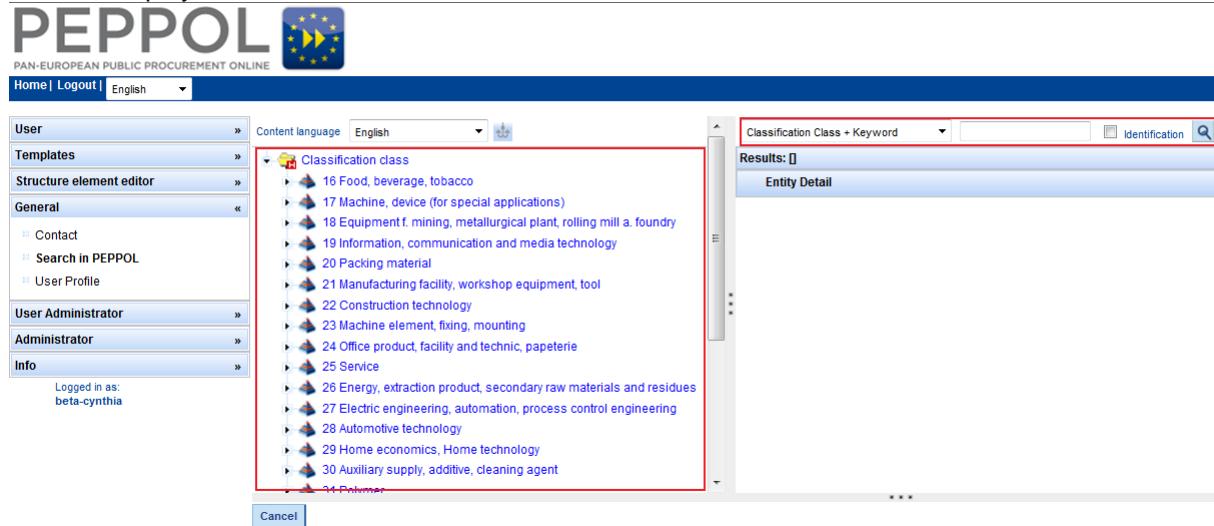
The results may spread over several pages, so the user can browse the list by pressing the links  
[« First](#) | [Previous](#) | [Next](#) | [Last »](#).

To view the entity details, click the Identification.

To exit, press [Cancel](#).

#### 14.2.4 Search for Properties

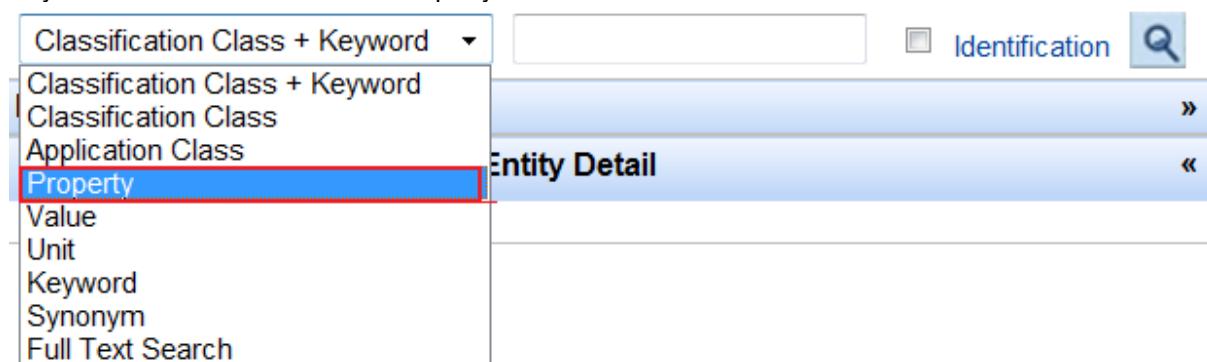
**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the hierarchy and the search field are displayed:



The screenshot shows the PEPPOL software interface. On the left, there is a navigation sidebar with links like User, Templates, Structure element editor, General (which is expanded), Contact, Search in PEPPOL, User Profile, User Administrator, Administrator, and Info. The user is logged in as beta-cynthia. In the center, there is a search interface. At the top, it says 'Content language English'. Below that is a dropdown labeled 'Classification Class + Keyword' with a magnifying glass icon. To the right of the dropdown is a search input field and a checkbox labeled 'Identification' with a magnifying glass icon. Below the dropdown, a red box highlights a list titled 'Classification class' which contains numbered items from 16 to 34, each with a small icon. At the bottom of the search interface is a 'Cancel' button.

Figure 51 Search View

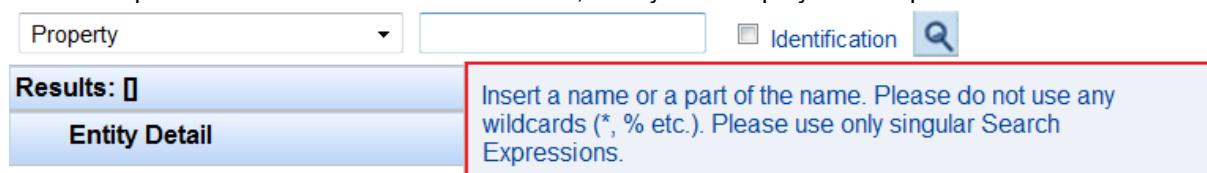
**Step 2:** The drop-down selector located on the right-hand is set by default to search Classification Class + Keyword. Set the search filter to Property:



The screenshot shows a dropdown menu with several options: Classification Class + Keyword, Classification Class, Application Class, **Property** (which is highlighted with a red box), Value, Unit, Keyword, Synonym, and Full Text Search.

Figure 52 Search Filter

If the user places the cursor into the search field, the system displays a tooltip on search:



The screenshot shows the search interface again. A red box highlights the search input field. To the right of the field, a tooltip box contains the text: 'Insert a name or a part of the name. Please do not use any wildcards (\*, % etc.). Please use only singular Search Expressions.'

Figure 53 Search Tooltip

**Step 3:** Enter the search term in the input field. If search is done by Identification (for PRs, it is the Identification), the affiliated checkbox must be ticked.

The moment the user starts typing text, the system auto-completes the search term with proposals:

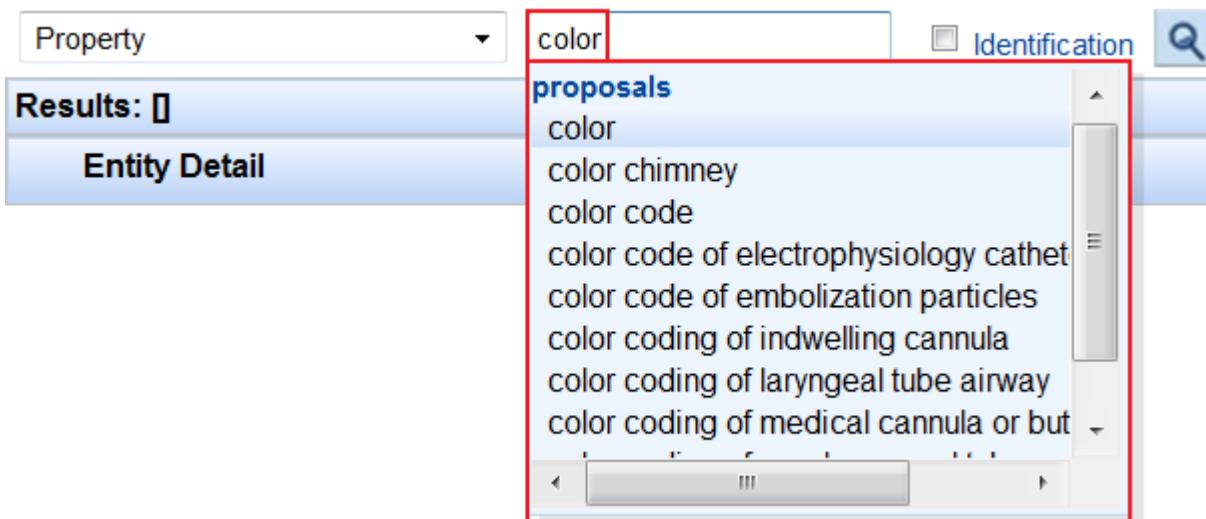


Figure 54 Autocompletion Selector

The lesser text the user enters, the more results are being returned by the system.  
The user can scroll the selector in order to retrieve the desired search term, or just enter the own term:

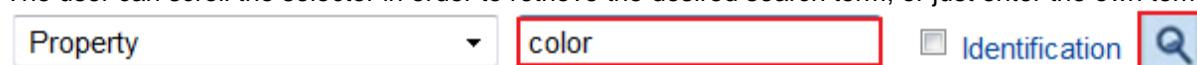


Figure 55 Search Term

**Step 4:** Click the  button and the portal renders the list of results accordingly. All Properties contain the search term:

Property	color	Identification
<b>Results: [186]</b>		
Properties [186]		Change Requests - New property [0]
<a href="#">« First</a>   <a href="#">Previous</a>   <a href="#">Next</a>   <a href="#">Last »</a> 1 - 15 / 186		
#	<u>Identification</u>	<u>Preferred Name</u>
1	<a href="#">ECL-BAA350-002</a>	Permissible deviation of the  distribution
2	<a href="#">ECL-AAE097-001</a>	 of the lamp head
3	<a href="#">ECL-AAF068-001</a>	Water consumption 40 degrees C 
4	<a href="#">ECL-BAF207-002</a>	 of PDA refill
5	<a href="#">ECL-BAC247-003</a>	
6	<a href="#">ECL-BAC295-004</a>	

Figure 56 List of Results

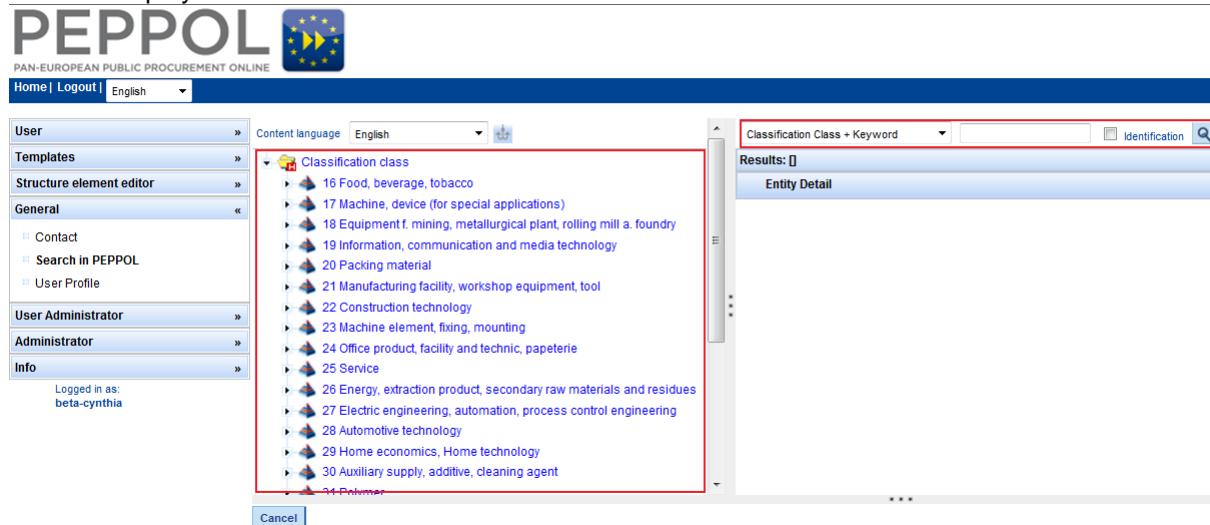
The results may spread over several pages, so the user can browse the list by pressing the links  
[« First](#) | [Previous](#) | [Next](#) | [Last »](#).

To view the entity details, click the Identification.

To exit, press .

## 14.2.5 Search for Lists of Values

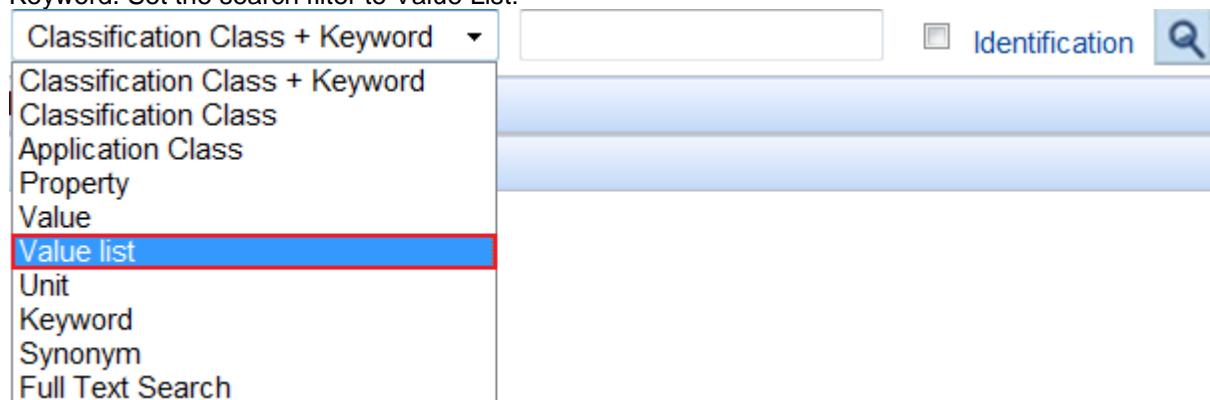
**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the hierarchy and the search field are displayed:



The screenshot shows the PEPPOL software interface. On the left, there is a navigation menu with items like User, Templates, Structure element editor, General (which is expanded to show Contact, Search in PEPPOL, and User Profile), User Administrator, Administrator, and Info. The user is logged in as beta-cynthia. In the center, there is a search interface with a dropdown menu labeled 'Classification Class + Keyword'. This dropdown is expanded to show a list of classification classes: 16 Food, beverage, tobacco; 17 Machine, device (for special applications); 18 Equipment f. mining, metallurgical plant, rolling mill a. foundry; 19 Information, communication and media technology; 20 Packing material; 21 Manufacturing facility, workshop equipment, tool; 22 Construction technology; 23 Machine element, fixing, mounting; 24 Office product, facility and technic, papeterie; 25 Service; 26 Energy, extraction product, secondary raw materials and residues; 27 Electric engineering, automation, process control engineering; 28 Automotive technology; 29 Home economics, Home technology; 30 Auxiliary supply, additive, cleaning agent; and 34 Polymer. To the right of the dropdown, there is a search bar with the placeholder 'Classification Class + Keyword' and a 'Identification' checkbox. Below the search bar, there is a section titled 'Results: [] Entity Detail'.

Figure 57 Search View

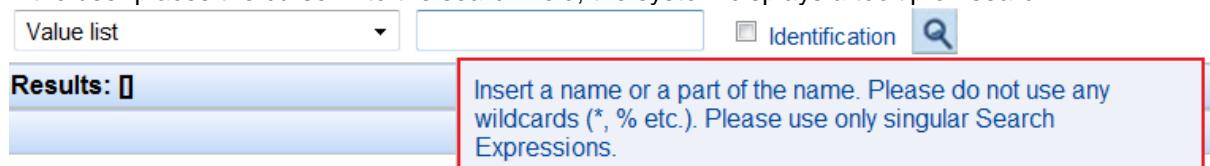
**Step 2:** The drop-down selector located on the right-hand is set by default to search Classification Class + Keyword. Set the search filter to Value List:



The screenshot shows a dropdown menu for 'Classification Class + Keyword'. The menu items are: Classification Class + Keyword (selected), Classification Class, Application Class, Property, Value, Value list (highlighted with a red box), Unit, Keyword, Synonym, and Full Text Search.

Figure 58 Search Filter

If the user places the cursor into the search field, the system displays a tooltip on search:



The screenshot shows the search interface with a tooltip. The tooltip text is: 'Insert a name or a part of the name. Please do not use any wildcards (\*, % etc.). Please use only singular Search Expressions.' The tooltip is positioned over the search input field.

Figure 59 Search Tooltip

**Step 3:** Enter the search term in the input field. If search is done by Identification (for VaLs, it is the Identification), the affiliated checkbox must be ticked.

The moment the user starts typing text, the system auto-completes the search term with proposals:

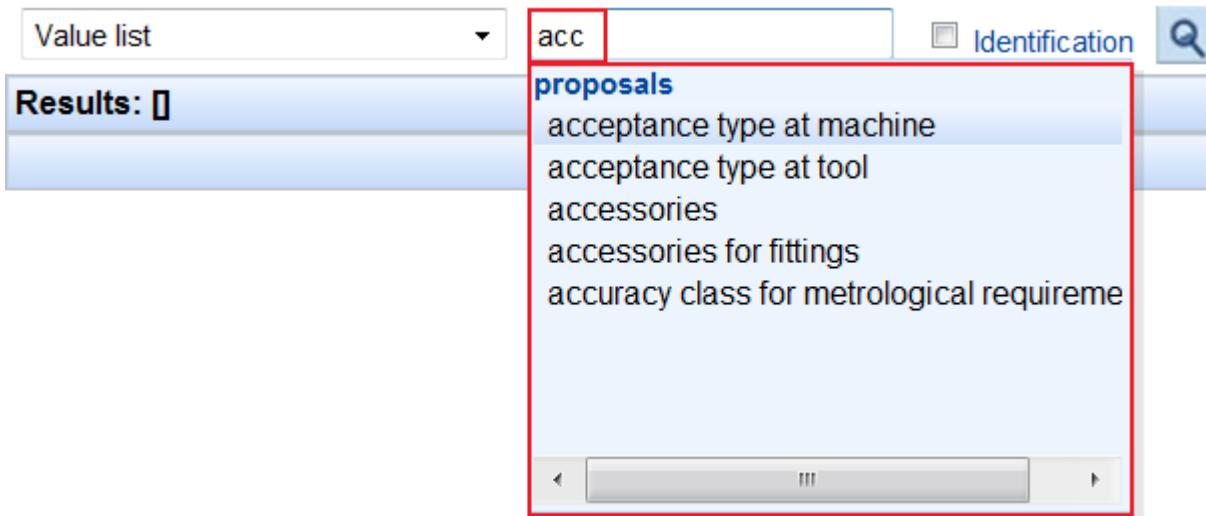


Figure 60 Autocompletion Selector

The lesser text the user enters, the more results are being returned by the system.  
The user can scroll the selector in order to retrieve the desired search term, or just enter the own term:

Figure 61 Search Term

Step 4: Click the  button and the portal renders the list of results accordingly:

#	<u>Identification</u>	<u>Preferred Name</u>
1	<a href="#">ECL-AAB783-001</a>	Roof access possible
2	<a href="#">ECL-AAB648-002</a>	Flame resistant according to standard
3	<a href="#">ECL-AAB148-002</a>	Tool design in accordance with norm
4	<a href="#">ECL-AAA416-001</a>	Design of stamp color accessory
5	<a href="#">ECL-AAB551-001</a>	Safety type in accordance with IEC 61496-1

Figure 62 List of Results

#### 14.2.6 Search for Values

Step 1: Expand menu [General] and click [Search in PEPPOL]. On the screen, the hierarchy and the search field are displayed:

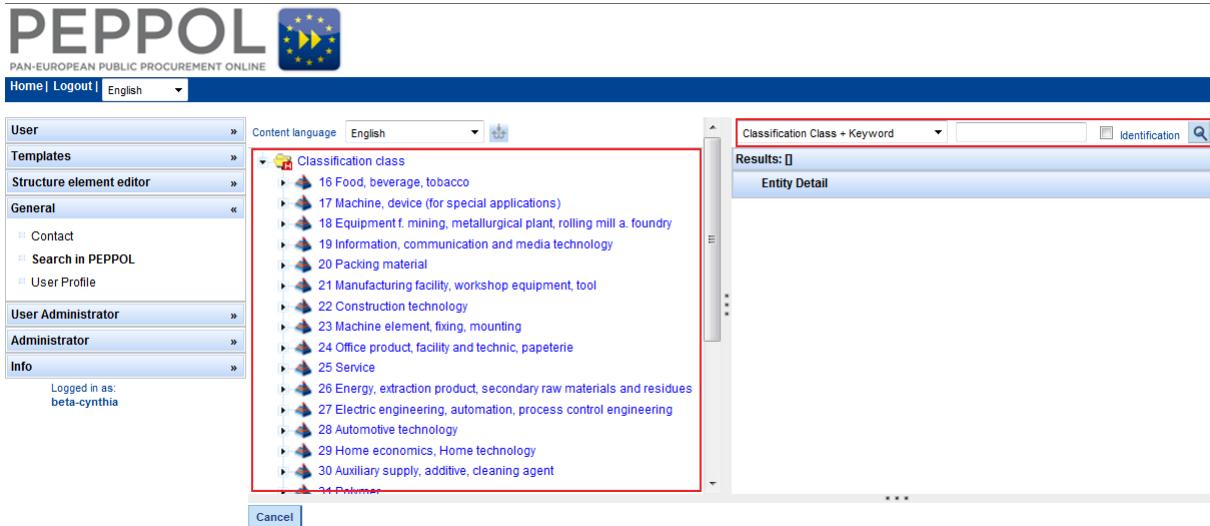


Figure 63 Search View

**Step 2:** The drop-down selector located on the right-hand is set by default to search Classification Class + Keyword. Set the search filter to Value:

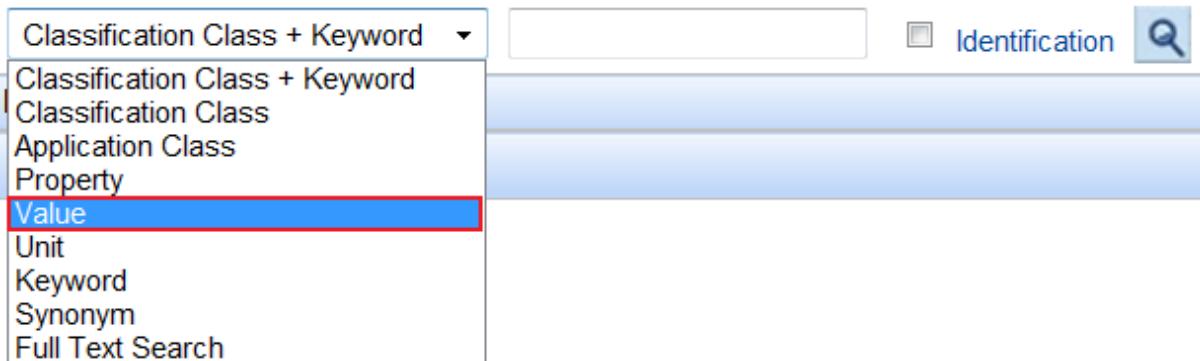


Figure 64 Search Filter

If the user places the cursor into the search field, the system displays a tooltip on search:

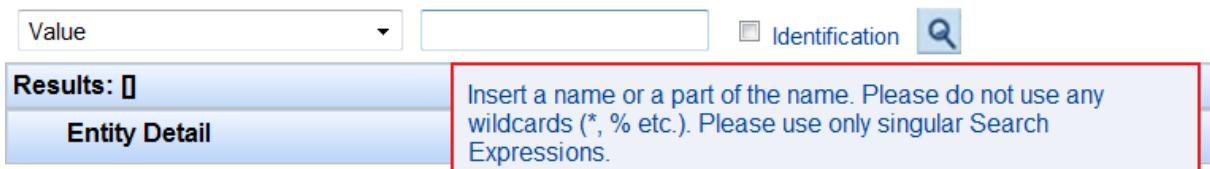


Figure 65 Search Tooltip

**Step 3:** Enter the search term in the input field. If search is done by Identification (for VLs, it is the Identification), the affiliated checkbox must be ticked.

The moment the user starts typing text, the system auto-completes the search term with proposals:

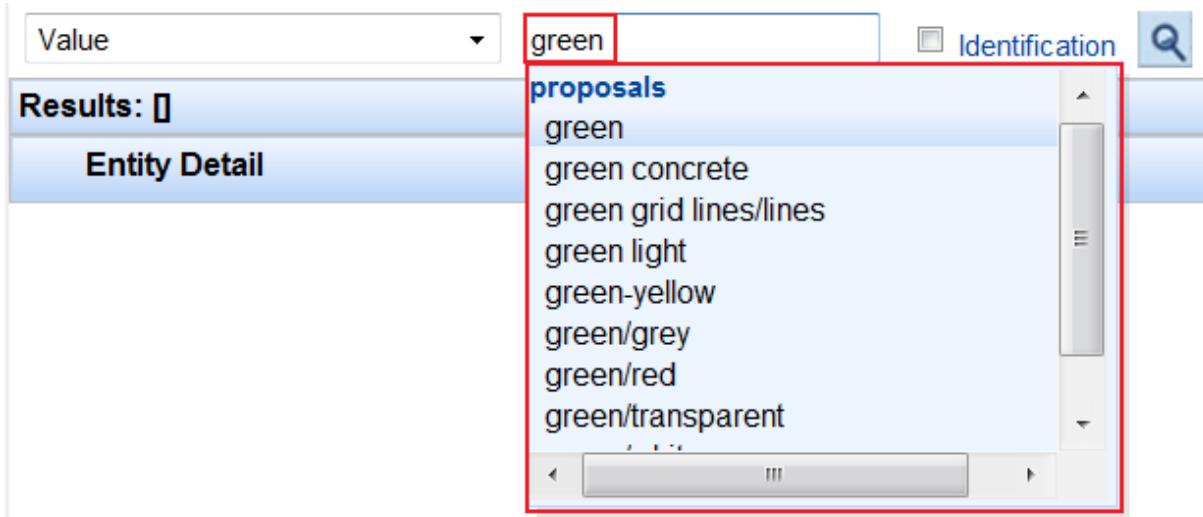


Figure 66 Autocompletion Selector

The lesser text the user enters, the more results are being returned by the system.

The user can scroll the selector in order to retrieve the desired search term, or just enter the own term:

Figure 67 Search Term

**Step 4:** Click the  button and the portal renders the list of results accordingly:

« First | < Previous | [Next >](#) | [Last >>](#) 1 - 15 / 19

#	<u>Identification</u>	<u>Preferred Name</u>
1	<a href="#">ECL-DAA359-002</a>	fern green
2	<a href="#">ECL-AAB323-001</a>	green yellow
3	<a href="#">ECL-BAC430-001</a>	green concrete
4	<a href="#">ECL-BAB409-001</a>	Green light
5	<a href="#">ECL-AAJ723-002</a>	white green

Figure 68 List of Results

The results may spread over several pages, so the user can browse the list by pressing the links « First | < Previous | [Next >](#) | [Last >>](#)

To view the entity details, click the Identification.

To exit, press [Cancel](#).

#### 14.2.7     Search for Units

**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the hierarchy and the search field are displayed:

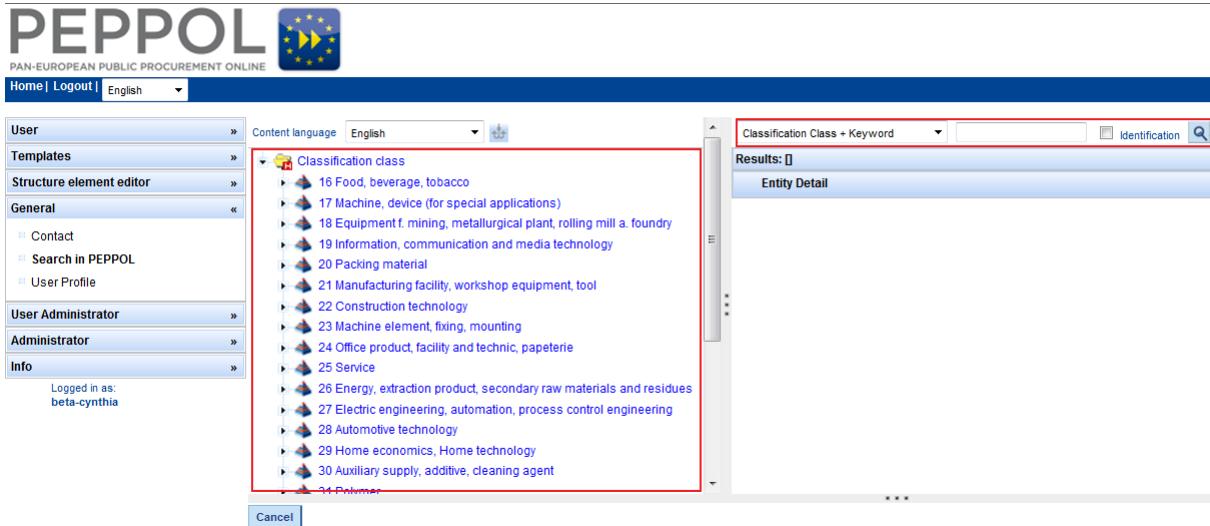


Figure 69 Search View

**Step 2:** The drop-down selector located on the right-hand is set by default to search Classification Class + Keyword. Set the search filter to Unit:

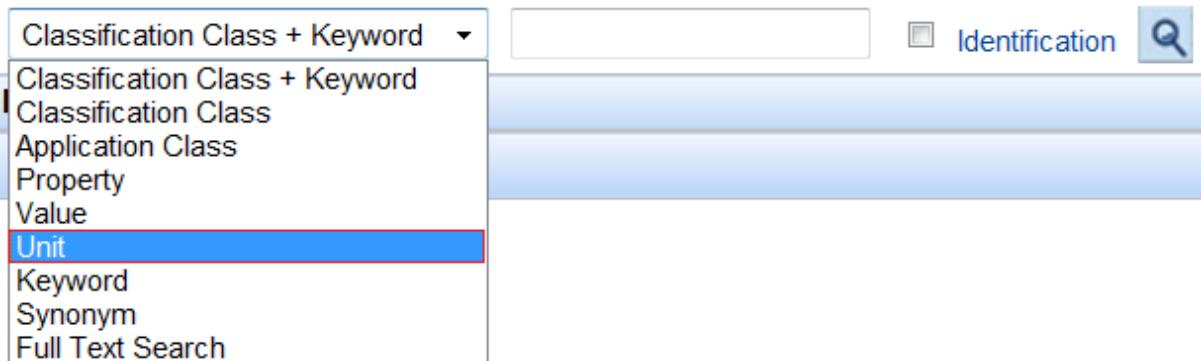


Figure 70 Search Filter

If the user places the cursor into the search field, the system displays a tooltip on search:

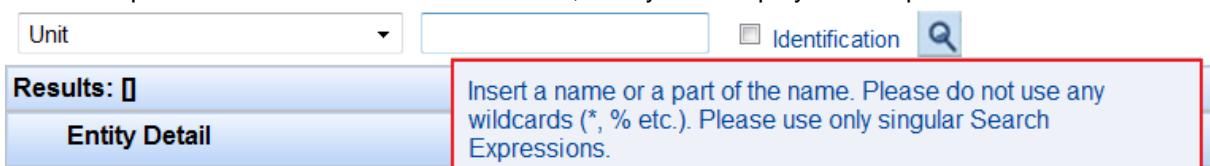


Figure 71 Search Tooltip

**Step 3:** Enter the search term in the input field. If search is done by Identification (for Units, it is the Identification), the affiliated checkbox must be ticked.

The moment the user starts typing text, the system auto-completes the search term with proposals:

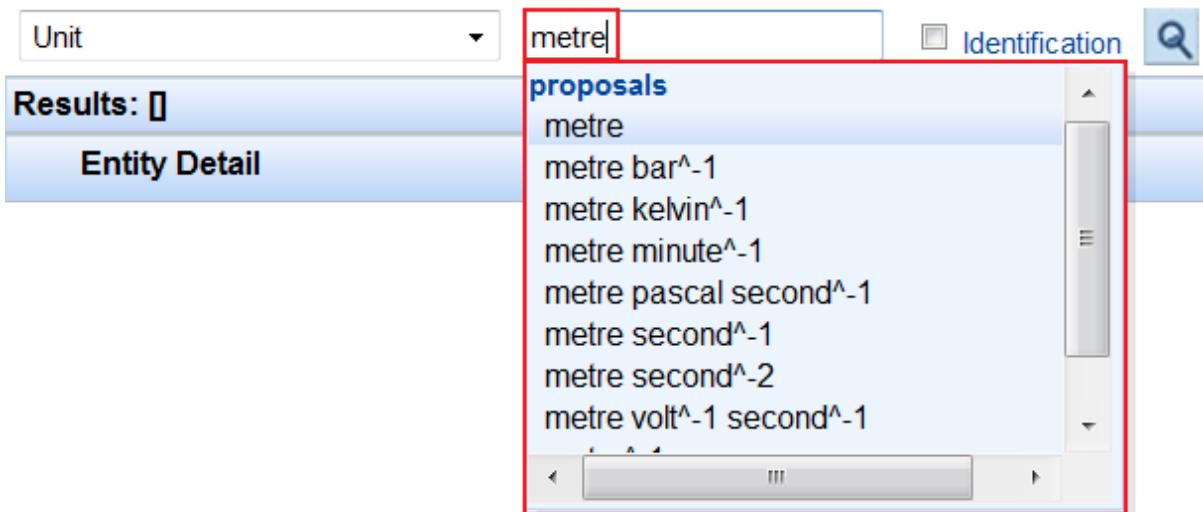


Figure 72 Autocompletion Selector

The lesser text the user enters, the more results are being returned by the system.  
The user can scroll the selector in order to retrieve the desired search term, or just enter the own term:

Figure 73 Search Term

**Step 4:** Click the  button and the portal renders the list of results accordingly:

#	Identification	Preferred Name
1	ECL-AAA450-002	joule metre^2
2	ECL-AAA735-002	gigacoulomb metre^3
3	ECL-AAA701-002	decimetre
4	ECL-AAA387-002	newton millimetre^-2
5	ECL-AAA046-002	microgram metre^3
6	ECL-AAA204-002	centimetre^3 day^-1 kelvin^-1

Figure 74 List of Results

The results may spread over several pages, so the user can browse the list by pressing the links  
[« First](#) | [Previous](#) | [Next](#) | [Last »](#)

To view the entity details, click the Identification.

To exit, press [Cancel](#).

## 14.2.8 Search for Keywords

**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the hierarchy and the search field are displayed:

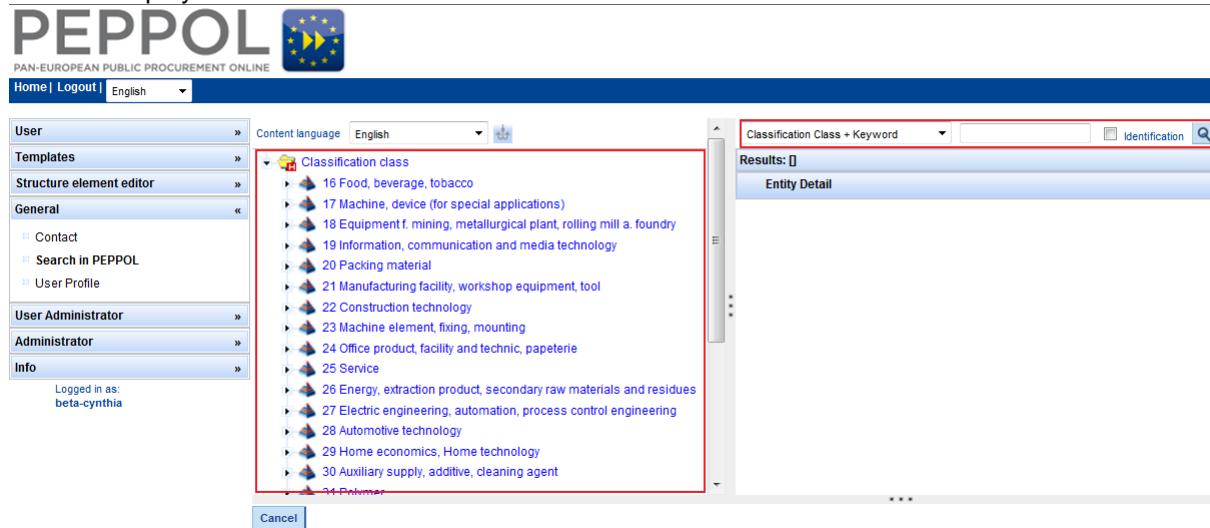


Figure 75 Search View

**Step 2:** The drop-down selector located on the right-hand is set by default to search Classification Class + Keyword. Set the search filter to Keyword:

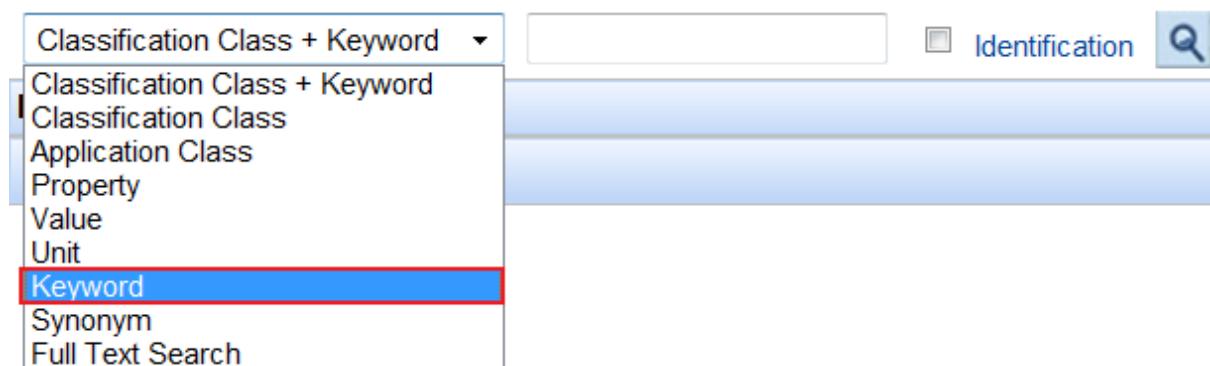


Figure 76 Search Filter

If the user places the cursor into the search field, the system displays a tooltip on search:

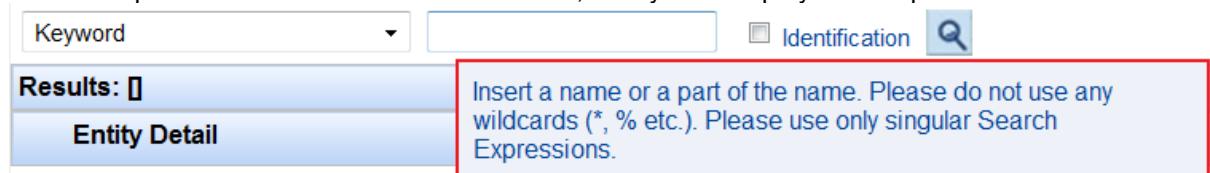


Figure 77 Search Tooltip

**Step 3:** Enter the search term in the input field. If search is done by Identification, the affiliated checkbox must be ticked.

The moment the user starts typing text, the system auto-completes the search term with proposals:

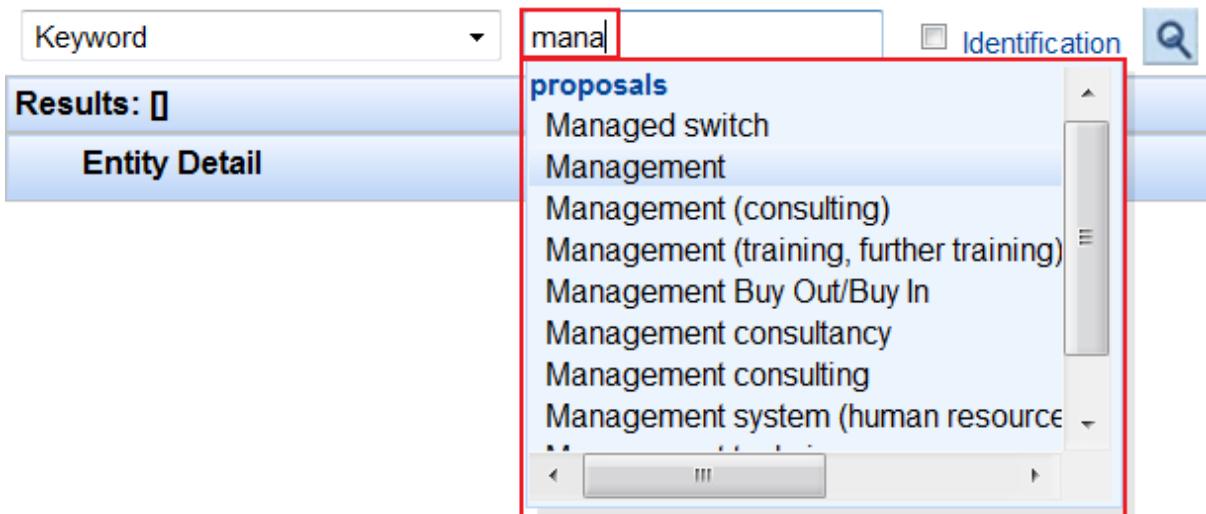


Figure 78 Autocompletion Selector

The lesser text the user enters, the more results are being returned by the system.  
The user can scroll the selector in order to retrieve the desired search term, or just enter the own term:

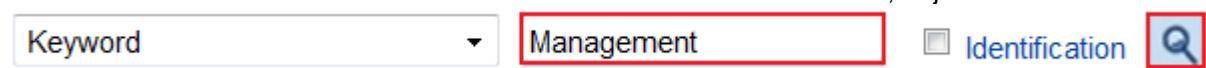


Figure 79 Search Term

**Step 4:** Click the  button and the portal renders the list of results accordingly:

Keyword	Management	Identification
<b>Results: [93]</b>		
Keywords [93]		Change Requests - New keyword [0]
« First   < Previous   <a href="#">Next &gt;</a>   <a href="#">Last »</a> 1 - 15 / 93		
#	<a href="#">Identification</a>	<a href="#">Text</a>
1	<a href="#">ECL-AMM932-001</a>	PM deadline management
2	<a href="#">ECL-AML786-001</a>	Waste management
3	<a href="#">ECL-AMM649-001</a>	Risk management (corporate planning)
4	<a href="#">ECL-AMM965-001</a>	Conflict management
5	<a href="#">ECL-ALX294-002</a>	Desktop management (client operating system)

Figure 80 List of Results

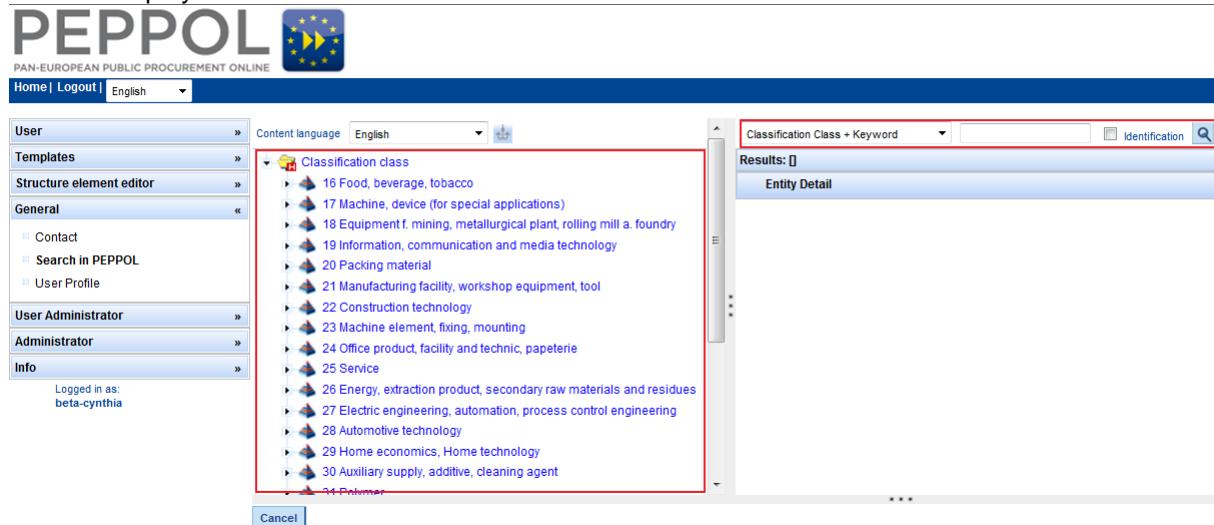
The results may spread over several pages, so the user can browse the list by pressing the links  
[« First](#) | < Previous | [Next >](#) | [Last »](#).

To view the entity details, click the Identification.

To exit, press [Cancel](#).

## 14.2.9 Search for Synonyms

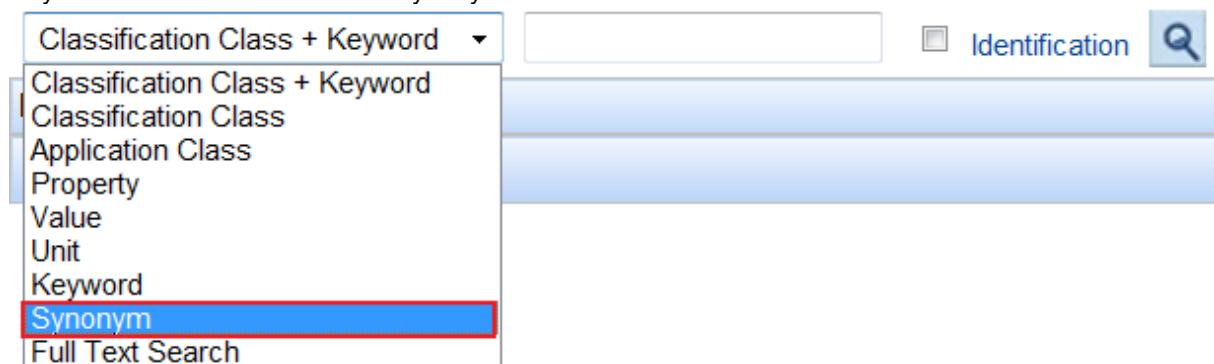
**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the hierarchy and the search field are displayed:



The screenshot shows the PEPPOL software interface. In the top left, there's a logo and navigation links for 'Home' and 'Logout'. The language is set to 'English'. On the left, a sidebar menu is open under 'General', showing options like 'Contact', 'Search in PEPPOL', and 'User Profile'. Below this, 'User Administrator', 'Administrator', and 'Info' sections are listed. The 'Info' section shows the user is logged in as 'beta-cynthia'. The main area has a 'Content language' dropdown set to 'English'. To the right, there's a search bar with a dropdown menu set to 'Classification Class + Keyword'. A red box highlights this dropdown. Below it is a search input field and a 'Identification' checkbox. The results panel shows a header 'Results: [] Entity Detail'.

Figure 81 Search View

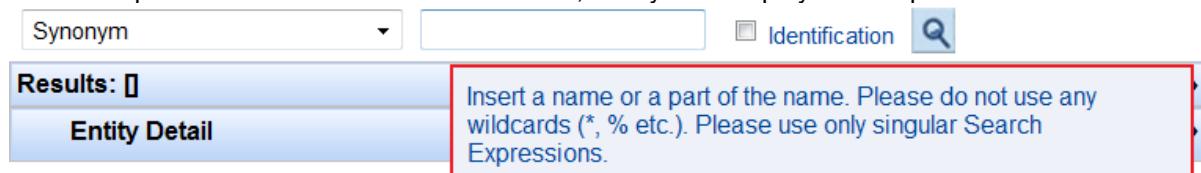
**Step 2:** The drop-down selector located on the right-hand is set by default to search Classification Class + Keyword. Set the search filter to Synonym:



This screenshot shows a dropdown menu for search filters. The 'Classification Class + Keyword' option is currently selected. Other options listed include 'Classification Class', 'Application Class', 'Property', 'Value', 'Unit', 'Keyword', 'Synonym', and 'Full Text Search'. A red box highlights the 'Synonym' option, indicating it is the selected filter.

Figure 82 Search Filter

If the user places the cursor into the search field, the system displays a tooltip on search:



This screenshot shows a tooltip message appearing over a search input field. The message reads: 'Insert a name or a part of the name. Please do not use any wildcards (\*, % etc.). Please use only singular Search Expressions.' A red box highlights this tooltip message.

Figure 83 Search Tooltip

**Step 3:** Enter the search term in the input field. If search is done by Identification, the affiliated checkbox must be ticked.

The moment the user starts typing text, the system auto-completes the search term with proposals:

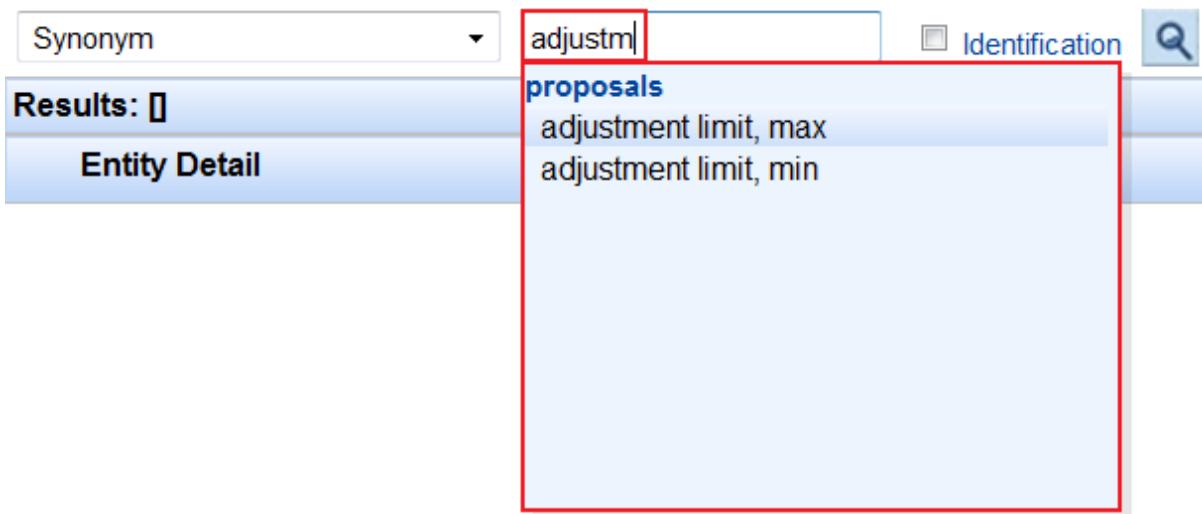


Figure 84 Autocompletion Selector

The lesser text the user enters, the more results are being returned by the system.  
The user can scroll the selector in order to retrieve the desired search term, or just enter the own term:

Synonym	adjustm	<input type="checkbox"/> Identification	
---------	---------	---	---

Figure 85 Search Term

**Step 4:** Click the  button and the portal renders the list of results accordingly:

Synonym	adjustm	<input type="checkbox"/> Identification							
<b>Results: [1]</b>									
Synonyms [1]		Change Requests - New synonym [0]							
<a href="#">« First</a>   <a href="#">Previous</a>   <a href="#">Next</a>   <a href="#">Last »</a> 1 - 1 / 1									
<table border="1"> <thead> <tr> <th>#</th> <th><a href="#">Identification</a></th> <th><a href="#">Text</a></th> </tr> </thead> <tbody> <tr> <td>1</td> <td><a href="#">ECL-ACC034-001</a></td> <td>adjustment limit, min</td> </tr> </tbody> </table>				#	<a href="#">Identification</a>	<a href="#">Text</a>	1	<a href="#">ECL-ACC034-001</a>	adjustment limit, min
#	<a href="#">Identification</a>	<a href="#">Text</a>							
1	<a href="#">ECL-ACC034-001</a>	adjustment limit, min							

Figure 86 List of Results

The results may spread over several pages, so the user can browse the list by pressing the links  
[« First](#) | [Previous](#) | [Next](#) | [Last »](#).

To view the entity details, click the Identification.

To exit, press [Cancel](#).

#### 14.2.10 Full Text Search

Full Text Search means that no filter is set. Thus the list of results will contain all types of SEs whose preferred name, or definition contain the search term.

**Step 1:** Expand menu [General] and click [Search in PEPPOL]. On the screen, the hierarchy and the search field are displayed:

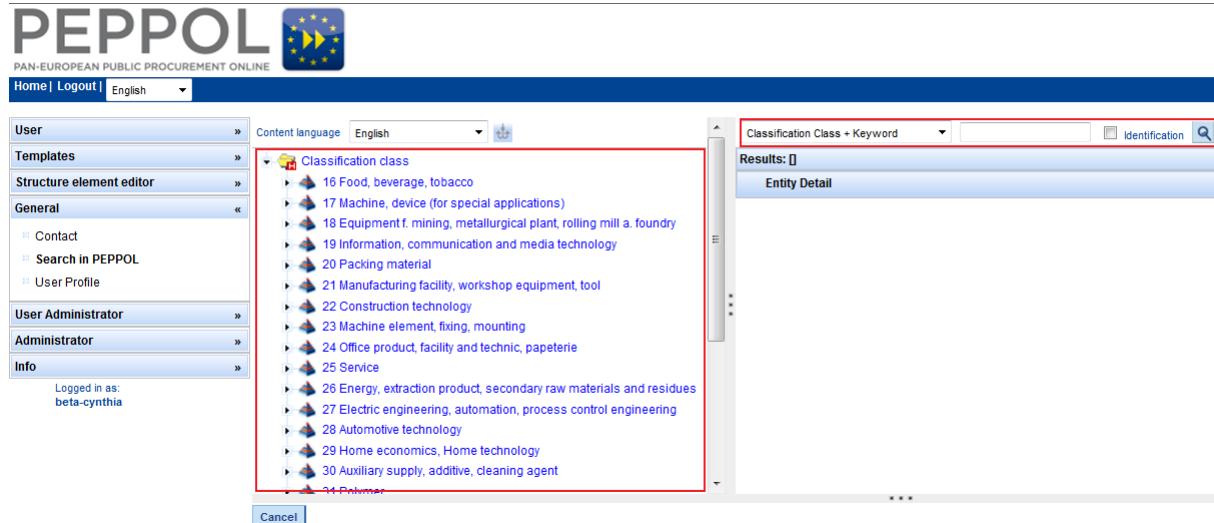


Figure 87 Search View

**Step 2:** The drop-down selector located on the right-hand is set by default to search Classification Class + Keyword. Set the search filter to Full Text Search.

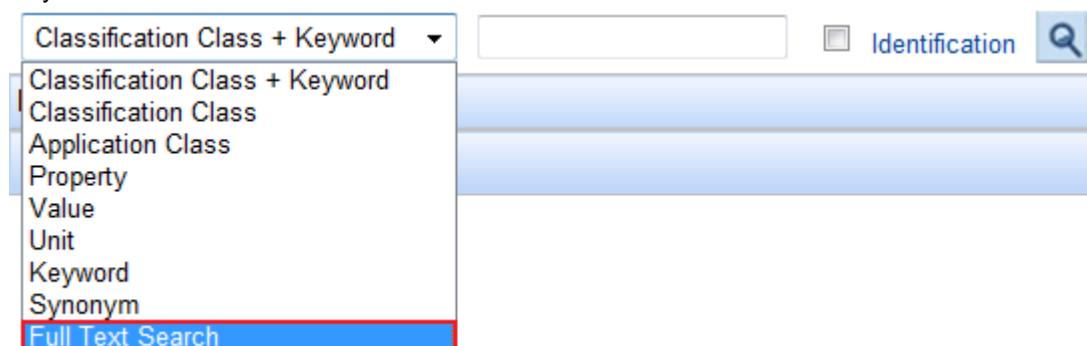


Figure 88 Search Filter

If the user places the cursor into the search field, the system displays a tooltip on search:



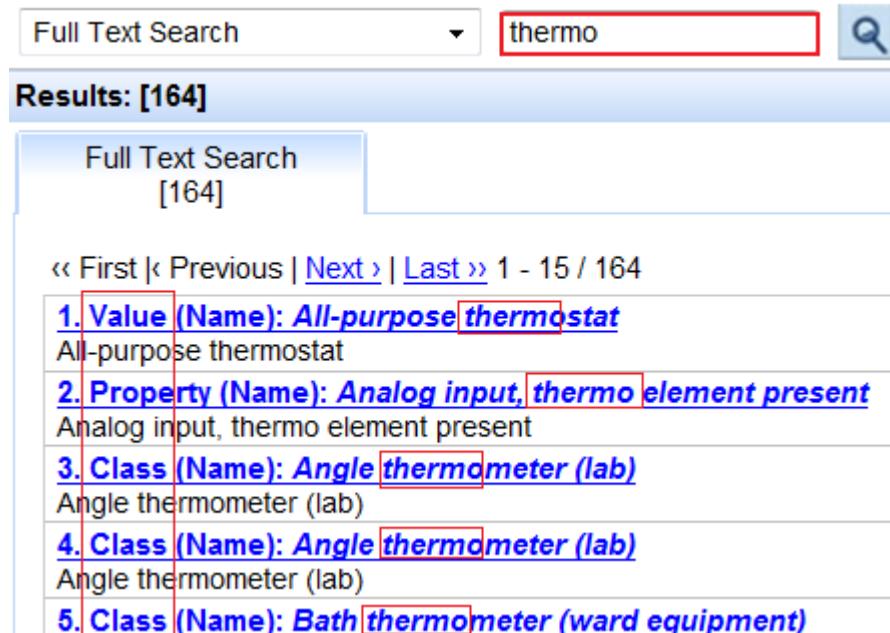
Figure 89 Search Tooltip

**Step 3:** Type the search term in the input field. The Identification option cannot be used for this type of search filter.



Figure 90 Search Term

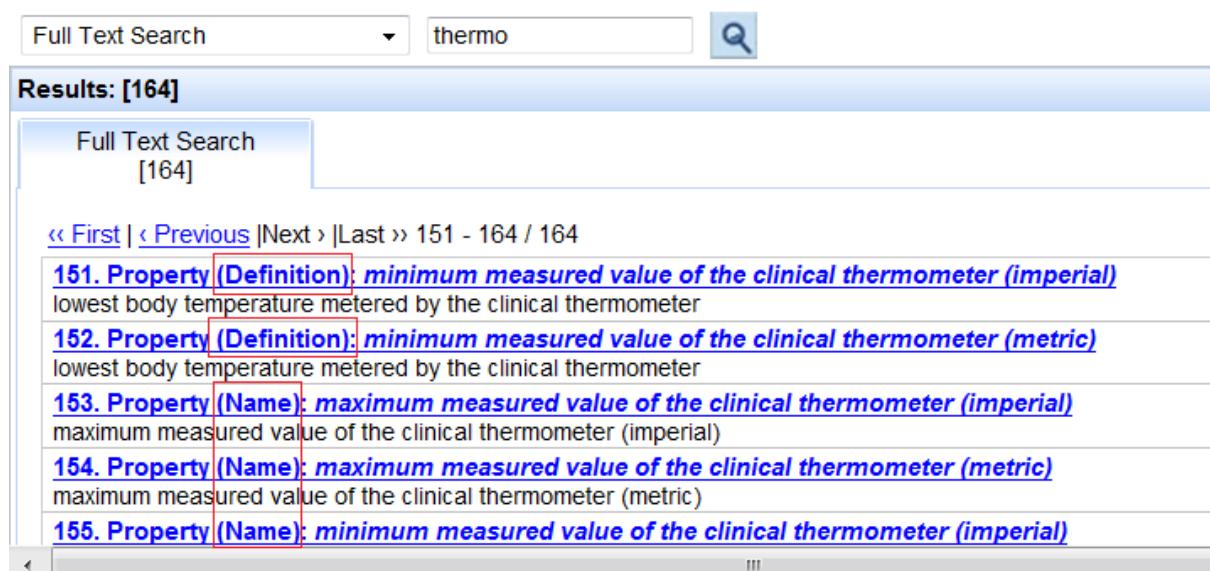
**Step 4:** Click the  button and the portal renders the list of results accordingly:



Full Text Search dropdown: Full Text Search [164].  
 Search input: thermo.  
 Search button: magnifying glass icon.  
 Results title: Results: [164].  
 Results list:  
 1. Value (Name): All-purpose thermostat  
 All-purpose thermostat  
 2. Property (Name): Analog input, thermo element present  
 Analog input, thermo element present  
 3. Class (Name): Angle thermometer (lab)  
 Angle thermometer (lab)  
 4. Class (Name): Angle thermometer (lab)  
 Angle thermometer (lab)  
 5. Class (Name): Bath thermometer (ward equipment)

Figure 91 List of Results 1

The system indicated whether the search term is present in the name and in the definition of the SE:



Full Text Search dropdown: Full Text Search [164].  
 Search input: thermo.  
 Search button: magnifying glass icon.  
 Results title: Results: [164].  
 Results list:  
 151. Property (Definition): minimum measured value of the clinical thermometer (imperial)  
 lowest body temperature metered by the clinical thermometer  
 152. Property (Definition): minimum measured value of the clinical thermometer (metric)  
 lowest body temperature metered by the clinical thermometer  
 153. Property (Name): maximum measured value of the clinical thermometer (imperial)  
 maximum measured value of the clinical thermometer (imperial)  
 154. Property (Name): maximum measured value of the clinical thermometer (metric)  
 maximum measured value of the clinical thermometer (metric)  
 155. Property (Name): minimum measured value of the clinical thermometer (imperial)

Figure 92 List of Results 2

The results may spread over several pages, so the user can browse the list by pressing the links  
[« First](#) | [Previous](#) | [Next](#) | [Last »](#).

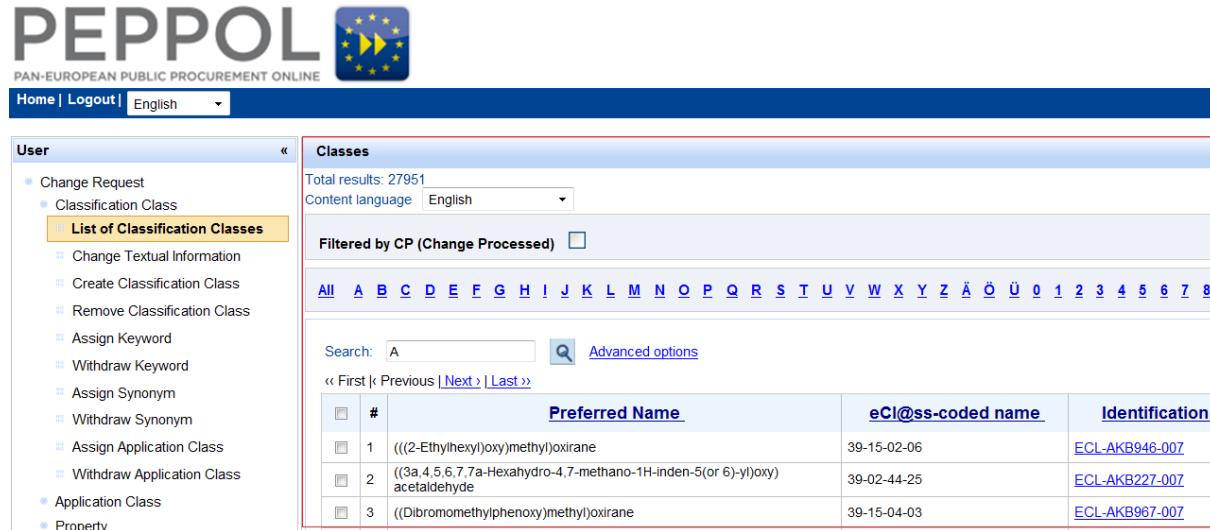
To view the entity details, click on the link of the SE.

To exit, press [Cancel](#).

## 14.3 Search in List of SEs

Every list of SEs disposes of the same search options: filtering, simple and advanced.  
 Expand the [User] menu and the submenu of the Structure Element. Click on List of SEs:



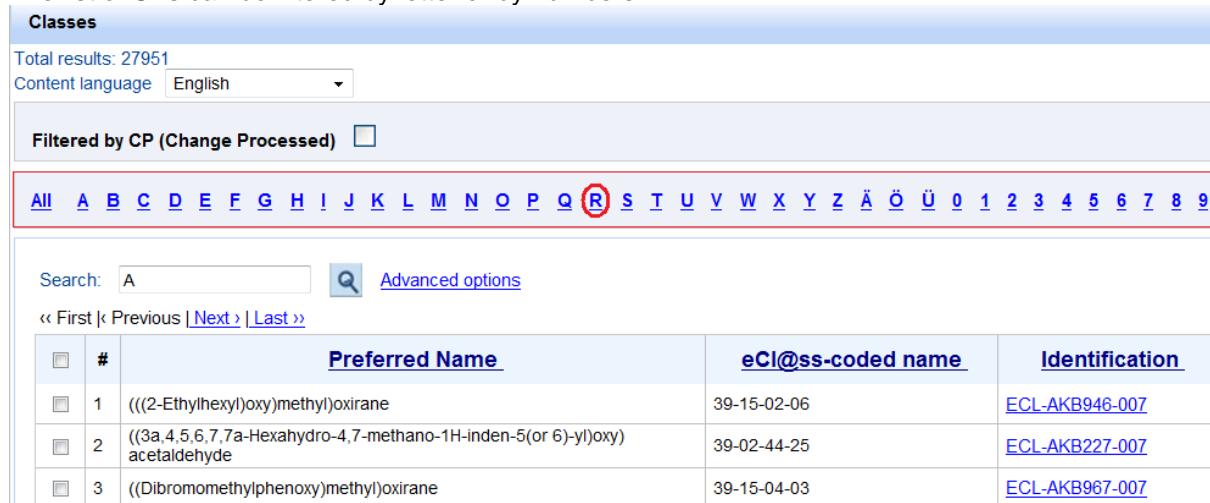


#	Preferred Name	eCl@ss-coded name	Identification
1	((2-Ethylhexyl)oxy)methyl)oxirane	39-15-02-06	ECL-AKB946-007
2	((3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-5(or 6)-yl)oxy) acetaldehyde	39-02-44-25	ECL-AKB227-007
3	((Dibromomethylphenoxy)methyl)oxirane	39-15-04-03	ECL-AKB967-007

Figure 93 List of SEs

### 14.3.1 Filter List

The list of SEs can be filtered by letter or by numbers:



#	Preferred Name	eCl@ss-coded name	Identification
1	((2-Ethylhexyl)oxy)methyl)oxirane	39-15-02-06	ECL-AKB946-007
2	((3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-5(or 6)-yl)oxy) acetaldehyde	39-02-44-25	ECL-AKB227-007
3	((Dibromomethylphenoxy)methyl)oxirane	39-15-04-03	ECL-AKB967-007

Figure 94 Filter List by Letters

The system displays the SEs whose preferred name starts with the chosen letter:



Classes				
Total results: 1134 Content language English <input type="button" value="Change"/>				
Filtered by CP (Change Processed) <input type="checkbox"/>				
<a href="#">All</a> <a href="#">A</a> <a href="#">B</a> <a href="#">C</a> <a href="#">D</a> <a href="#">E</a> <a href="#">F</a> <a href="#">G</a> <a href="#">H</a> <a href="#">I</a> <a href="#">J</a> <a href="#">K</a> <a href="#">L</a> <a href="#">M</a> <a href="#">N</a> <a href="#">O</a> <a href="#">P</a> <a href="#">Q</a> <a href="#">R</a> <a href="#">S</a> <a href="#">T</a> <a href="#">U</a> <a href="#">V</a> <a href="#">W</a> <a href="#">X</a> <a href="#">Y</a> <a href="#">Z</a> <a href="#">Ä</a> <a href="#">Ö</a> <a href="#">Ü</a> <a href="#">0</a> <a href="#">1</a> <a href="#">2</a> <a href="#">3</a> <a href="#">4</a> <a href="#">5</a> <a href="#">6</a> <a href="#">7</a> <a href="#">8</a> <a href="#">9</a>				
		Search: <input type="text" value="A"/> <input type="button" value="Search"/> Advanced options		
« First   < Previous   Next >   Last »				
#	Preferred Name	eCl@ss-coded name	Identification	
1	Rabbit (raw)	16-06-03-05	<a href="#">ECL-ACE842-005</a>	
2	Rack (lab.)	32-03-52-01	<a href="#">ECL-BAF505-006</a>	
3	Rack (standardized tool parts, tool and die)	21-13-17-03	<a href="#">ECL-AKH612-006</a>	
4	Rack (toothed parts)	23-17-01-08	<a href="#">ECL-AKG998-005</a>	
5	Rack bin (workshop)	21-10-04-37	<a href="#">ECL-ACC787-004</a>	
6	Rack drive (linear technology, accessories)	23-30-92-04	<a href="#">ECL-AKH339-006</a>	
7	Rack jack	36-12-02-16	<a href="#">ECL-ACK092-004</a>	
8	Rack milling machine (machine tool)	36-60-10-08	<a href="#">ECL-AKJ908-005</a>	

Figure 95 List Filtered by "R"

### 14.3.2 Simple Search

The SEs can be search by their preferred name:

Classes				
Total results: 27951 Content language English <input type="button" value="Change"/>				
Filtered by CP (Change Processed) <input type="checkbox"/>				
<a href="#">All</a> <a href="#">A</a> <a href="#">B</a> <a href="#">C</a> <a href="#">D</a> <a href="#">E</a> <a href="#">F</a> <a href="#">G</a> <a href="#">H</a> <a href="#">I</a> <a href="#">J</a> <a href="#">K</a> <a href="#">L</a> <a href="#">M</a> <a href="#">N</a> <a href="#">O</a> <a href="#">P</a> <a href="#">Q</a> <a href="#">R</a> <a href="#">S</a> <a href="#">T</a> <a href="#">U</a> <a href="#">V</a> <a href="#">W</a> <a href="#">X</a> <a href="#">Y</a> <a href="#">Z</a> <a href="#">Ä</a> <a href="#">Ö</a> <a href="#">Ü</a> <a href="#">0</a> <a href="#">1</a> <a href="#">2</a> <a href="#">3</a> <a href="#">4</a> <a href="#">5</a> <a href="#">6</a> <a href="#">7</a> <a href="#">8</a> <a href="#">9</a>				
	Search: <input type="text" value="A"/> <input type="button" value="Search"/> Advanced options			
« First   < Previous   Next >   Last »				
#	Preferred Name	eCl@ss-coded name	Identification	
1	((2-Ethylhexyloxy)methyl)oxirane	39-15-02-06	<a href="#">ECL-AKB946-007</a>	
2	((3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-5(or 6)-yl)oxy)acetaldehyde	39-02-44-25	<a href="#">ECL-AKB227-007</a>	
3	((Dibromomethylphenoxy)methyl)oxirane	39-15-04-03	<a href="#">ECL-AKB967-007</a>	
4	(-1,2,3,4,5,6,7,8-Octahydro-1-((4-methoxyphenyl)methyl)isoquinoline	39-18-02-18	<a href="#">ECL-AKC425-008</a>	
5	(-1,2,3,4,5,6,7,8-Octahydro-1-(4-methoxybenzyl)isoquinolinium hydrogen oxalate	39-18-02-23	<a href="#">ECL-AKC430-008</a>	
6	(-1-(2-Allyloxy)ethyl-2-(2,4-dichlorophenyl))-1H-imidazolium hydrogen sulphat#	39-16-13-08	<a href="#">ECL-AKC208-007</a>	

Figure 96 Simple Search

If the cursor is placed on the the search field, the system displays a tooltip on search:



**Classes**

Total results: 27951 Content language English

Filtered by CP (Change Processed)

All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Ä Ö Ü 0 1 2 3 4 5 6 7 8 9

Search:   Advanced options

« First |< Previous | [Next >](#) | Last » Insert a name or a part of the name. Please do not use any wildcards (\*, % etc.). Please use only singular Search Expressions.

	#	ss-coded name	Identification
<input type="checkbox"/>	1	((2-Ethylhexyl)oxy)methyl)oxirane	39-15-02-06 <a href="#">ECL-AKB946-007</a>
<input type="checkbox"/>	2	((3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-5(or 6)-yl)oxy)acetaldehyde	39-02-44-25 <a href="#">ECL-AKB227-007</a>
<input type="checkbox"/>	3	((Dibromomethylphenoxy)methyl)oxirane	39-15-04-03 <a href="#">ECL-AKB967-007</a>
<input type="checkbox"/>	4	(-)1,2,3,4,5,6,7,8-Octahydro-1-((4-methoxyphenyl)methyl)isoquinoline	39-18-02-18 <a href="#">ECL-AKC425-008</a>

Enter the preferred name or part of it in the search field:

**Classes**

Total results: 27951 Content language English

Filtered by CP (Change Processed)

All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Ä Ö Ü 0 1 2 3 4 5 6 7 8

Search:   Advanced options

« First |< Previous | [Next >](#) | Last »

	#	Preferred Name	eCl@ss-coded name	Identification
<input type="checkbox"/>	1	((2-Ethylhexyl)oxy)methyl)oxirane	39-15-02-06	<a href="#">ECL-AKB946-007</a>
<input type="checkbox"/>	2	((3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-5(or 6)-yl)oxy)acetaldehyde	39-02-44-25	<a href="#">ECL-AKB227-007</a>

Figure 97 Search Term

Press  and the system returns the list of results accordingly:

**Classes**

Total results: 2 Content language English

Filtered by CP (Change Processed)

All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Ä Ö Ü 0 1 2 3 4 5 6 7 8 9

Search:   Advanced options

« First |< Previous | [Next >](#) | Last »

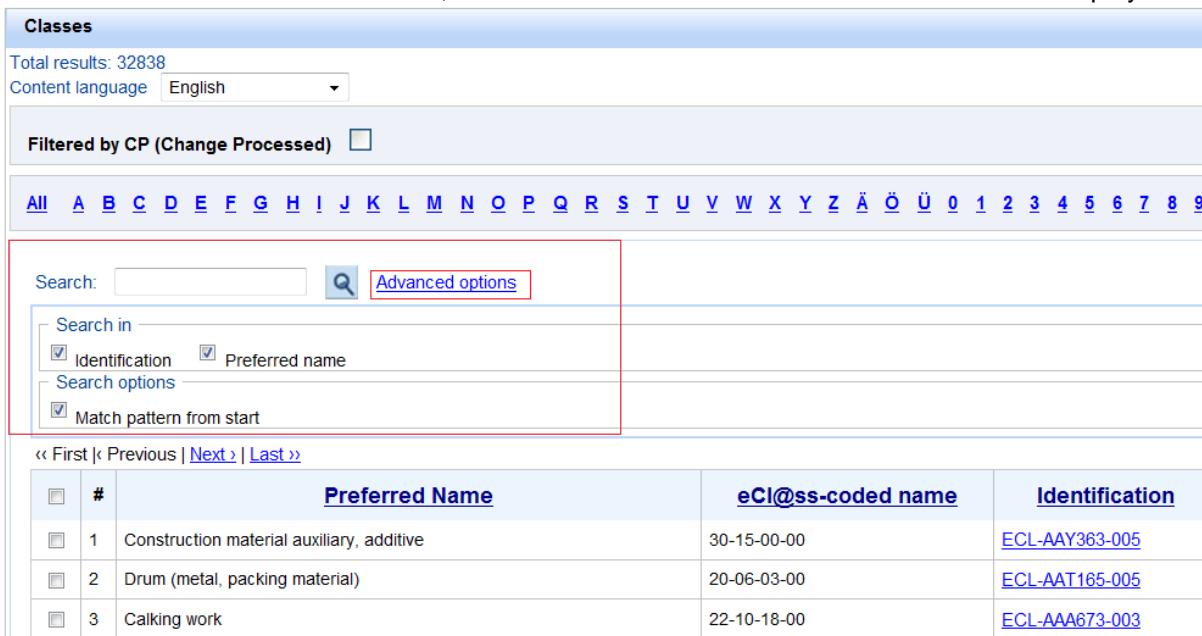
	#	Preferred Name	eCl@ss-coded name	Identification
<input type="checkbox"/>	1	Ketoprofen (active substance)	34-05-04-08	<a href="#">ECL-AKA279-006</a>
<input type="checkbox"/>	2	Ketosiphorone	39-02-38-54	<a href="#">ECL-AKB192-007</a>

Figure 98 List of Results



### 14.3.3 Advanced Search

To use the advanced search features, click on [Advanced options](#). Additional filters are displayed:

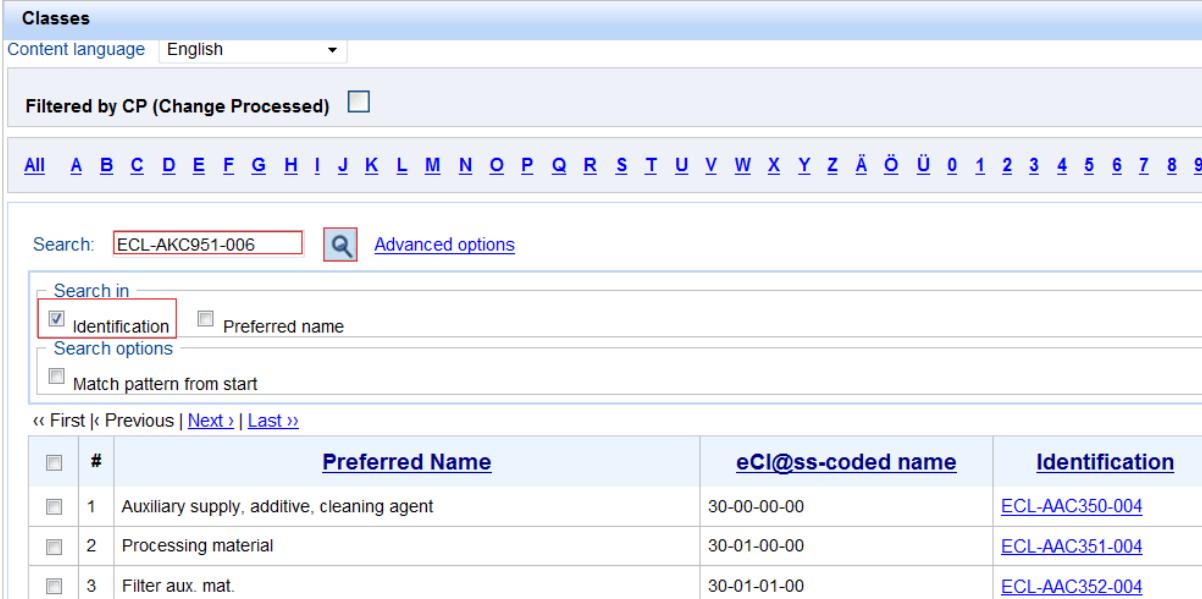


The screenshot shows a search interface with a red box highlighting the search input field and the 'Advanced options' button. The search input field contains 'Search:'. Below it is a search icon and the 'Advanced options' link. The 'Advanced options' section includes checkboxes for 'Search in' (Identification, Preferred name), 'Search options', and 'Match pattern from start'. The main search results table has columns for #, Preferred Name, eCI@ss-coded name, and Identification. The results show three entries: Construction material auxiliary, additive; Drum (metal, packing material); and Calking work.

#	Preferred Name	eCI@ss-coded name	Identification
1	Construction material auxiliary, additive	30-15-00-00	<a href="#">ECL-AAY363-005</a>
2	Drum (metal, packing material)	20-06-03-00	<a href="#">ECL-AAT165-005</a>
3	Calking work	22-10-18-00	<a href="#">ECL-AAA673-003</a>

Figure 99 Advanced Options

The user can choose to search by identification, preferred name and to match the pattern from start by ticking the affiliated checkbox and entering a search term:

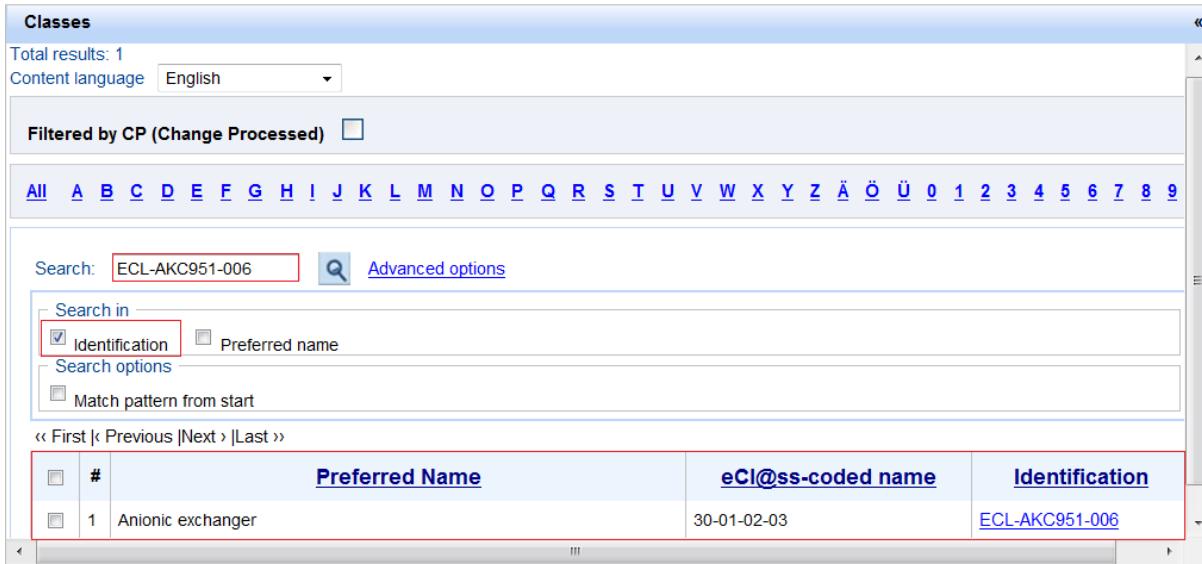


The screenshot shows a search interface with a red box highlighting the 'Identification' checkbox in the search options section. The search input field contains 'ECL-AKC951-006'. The main search results table has columns for #, Preferred Name, eCI@ss-coded name, and Identification. The results show three entries: Auxiliary supply, additive, cleaning agent; Processing material; and Filter aux. mat.

#	Preferred Name	eCI@ss-coded name	Identification
1	Auxiliary supply, additive, cleaning agent	30-00-00-00	<a href="#">ECL-AAC350-004</a>
2	Processing material	30-01-00-00	<a href="#">ECL-AAC351-004</a>
3	Filter aux. mat.	30-01-01-00	<a href="#">ECL-AAC352-004</a>

Figure 100 Search by Identification

The system returns the list of results accordingly:



The screenshot shows a software interface for managing classification classes. At the top, there's a header with 'Classes' and a search bar containing 'ECL-AKC951-006'. Below the search bar is a 'Filtered by CP (Change Processed)' checkbox. A navigation bar at the top has links for 'All', 'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J', 'K', 'L', 'M', 'N', 'O', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X', 'Y', 'Z', 'Ä', 'Ö', 'Ü', and numbers '0' through '9'. A 'Search' button and an 'Advanced options' link are also present. The main area displays a table with one row, where the 'Identification' column is highlighted with a red border.

#	Preferred Name	eCI@ss-coded name	Identification
1	Anionic exchanger	30-01-02-03	ECL-AKC951-006

Figure 101 List of Results

To view the details of the SE, click on the Identification:



The screenshot shows a detailed view of a specific classification entry. The 'Identification' field is highlighted with a red border. Other fields shown include 'Preferred Name' (Anionic exchanger), 'eCI@ss-coded name' (30-01-02-03), 'Type' (Classification Class), and 'Superclass' (Water treatment agent (ECL-AAY365-005)). The 'Superclass' section lists several categories under Water treatment agent, such as 'eCI@ss', '30-00-00-00 - Auxiliary supply, additive, cleaning agent', '30-01-00-00 - Processing material', and '30-01-02-00 - Water treatment agent'. The 'Version date' is listed as 2009-11-28, and the 'Tag' section lists 'PEPPOL1.0', 'eCI@ss6.2', and 'eCI@ss6.2.1'.

Figure 102 SE Details

To return, press [<< Back](#).



## 15 PEPPOL PPS Manage Structure Elements

### 15.1 Introduction

### 15.2 Purpose

The purpose of this Storybook is to provide an overview and to guide the user in handling functions affiliated to searching structural elements.

### 15.3 Scope

In scope of this document:

Out of scope: to propose other functionalities or amendments.

### 15.4 Definitions, Acronyms and Abbreviations

SE - Structural Element

CC - Classification Class

AC - Application Class

PR - Property

VaL - Value List

VL - Value

KW - Keyword

SY - Synonym

### 15.5 References

<http://beta.peppol.paradine.at/portal/info.seam>

<http://www.peppol.eu/peppol-eia1/ict-architecture/pre-award-eprocurement/models/>

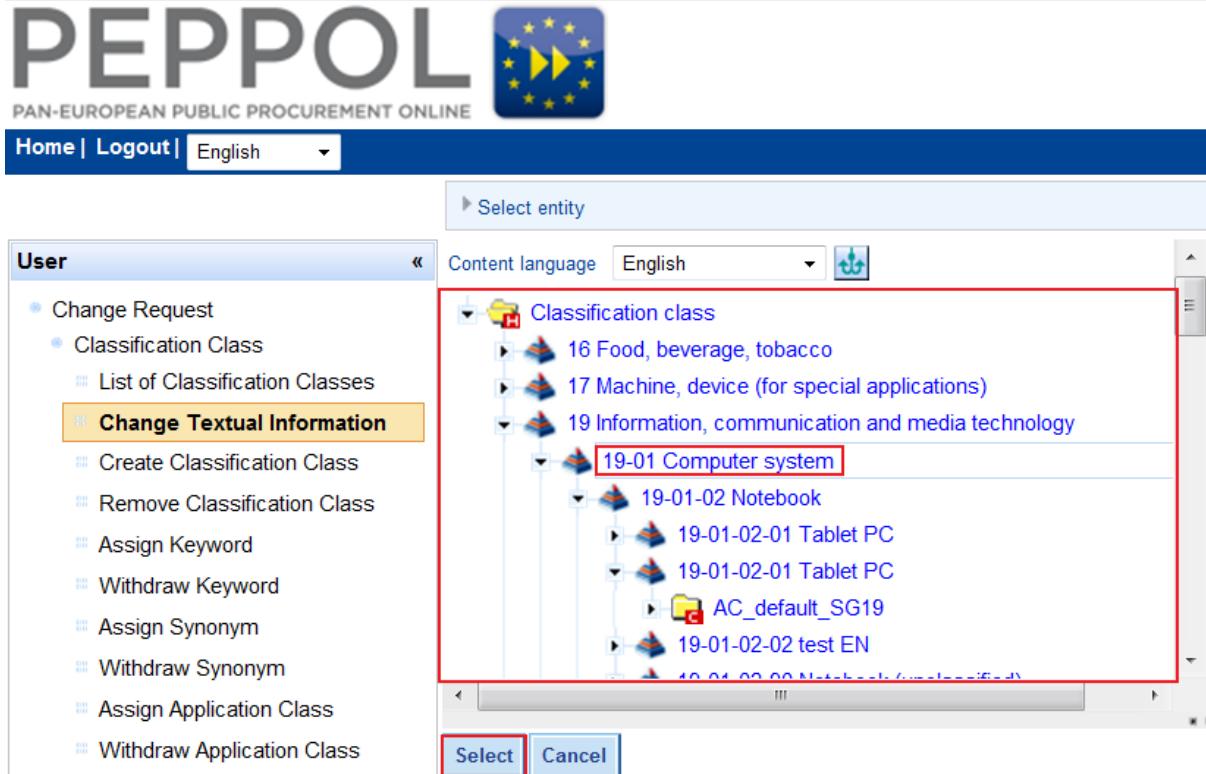
### 15.6 Manage Structure Elements

### 15.7 Change Textual Information of a Structure Element

**Step 1:** To change the textual information of a SE, expand the [User] menu and the respective submenu and click on Change Textual Information.

The starting point is either the ***hierarchy***:





The screenshot shows the 'User' menu on the left with various options like 'Change Request', 'Classification Class', and 'Change Textual Information'. On the right, there's a 'Select entity' dialog. Inside, the 'Content language' is set to English. A tree view shows a classification hierarchy. A red box highlights the '19-01 Computer system' node under '19 Information, communication and media technology'. Below it are '19-01-02 Notebook' and '19-01-02-01 Tablet PC'. At the bottom of the dialog are 'Select' and 'Cancel' buttons.

Figure 103 Hierarchy

or a list of Structural Elements:



The screenshot shows the 'User' menu on the left with various options like 'Change Request', 'Classification Class', and 'Change Textual Information'. The 'Change Textual Information' option is selected. On the right, there's a table titled 'Units' with the following data:

#	Identifier	Name	DIN notation	Short name	ECE name
1	ECL-AAA698-002	⚠️		St	stokes
2	ECL-AAA317-002	⚠️		yd³	cubic yard
3	ECL-AAA575-002	⚠️		V/(l·min)	volt per litre minute

Figure 104 List of SEs

**Step 2:** Select the SE (in lists click on the Identification, in the hierarchy select the SE and click on **Select**). The system opens the edit dialog:

[List of Units](#) > Change textual info

Content language English ▾

Structured naming *	old text stokes	new text stokes	Language 
Short name *	old text St	new text St	Language 
Name *	old text	new text	Language 
DIN notation *	old text	new text	Language 
Definition	old text illegal cgs unit with the kinematic viscosity (labelled after the English mathematician and physician George Gabriel Stokes) with the relation: 1 St = $10^{-4}$ m <sup>2</sup> /s	new text illegal cgs unit with the kinematic viscosity (labelled after the English mathematician George Gabriel Stokes) with the relation: 1 St = $10^{-4}$ m <sup>2</sup> /s	Language 

Figure 105 Edit Dialog

**Step 3:** Edit the textual information and enter the mandatory data:

ECE-Code	old text 91	new text 91	Language 
NIST-Name	old text stokes	new text stokes	Language 
Source	old text NIST Special Publication 811:1995	new text NIST Special Publication 811:1995	Language 
Validity to ICS	old text	new text	Language 

Attachment(s) [Attach new](#)

Reason \*

ENTER REASON HERE

[Save](#) [Cancel](#) [<< Back](#)

Figure 106 Edit Dialog

**Step 4:** Click [Save](#). The system returns to the initial view and displays a confirmation message:



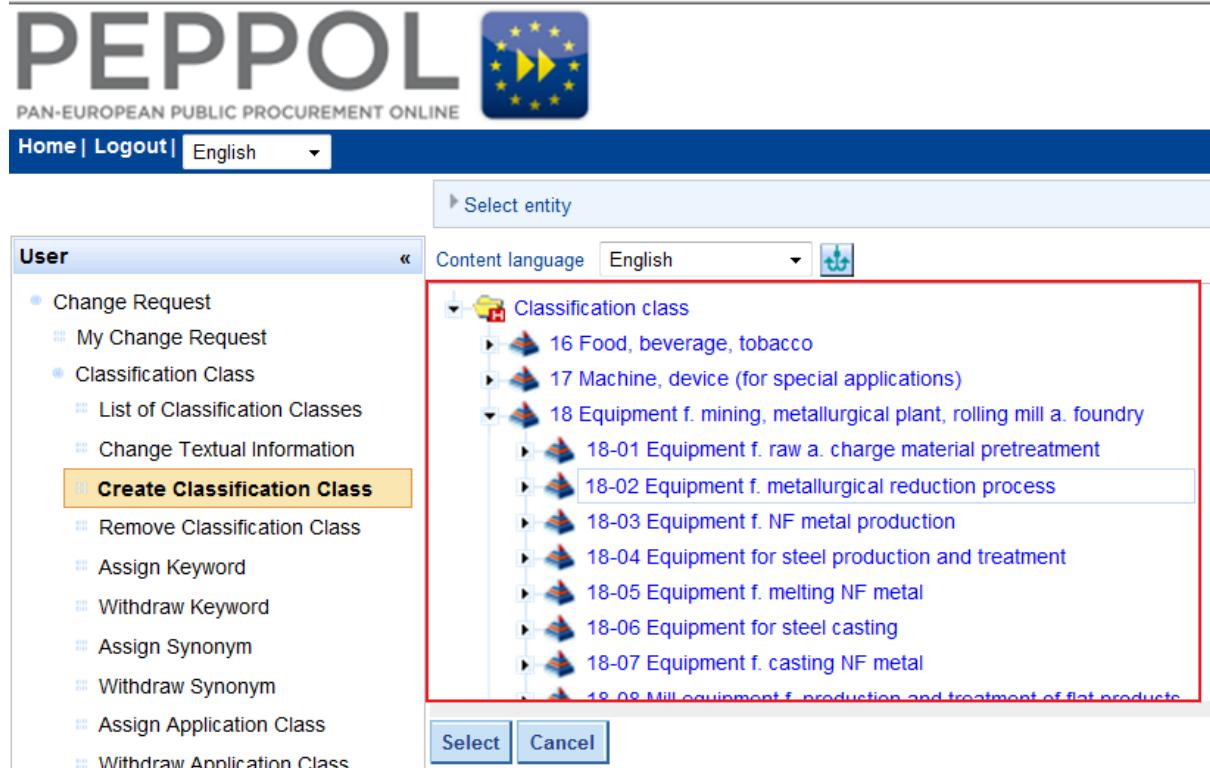


The screenshot shows the PEPPOL interface. On the left, a sidebar titled 'User' lists various options like 'Change Request', 'Classification Class', etc. In the center, a table titled 'Units' displays a list of entries. The first entry is 'ECL-AAA698-002' with a note 'Stokes'. The second entry is 'ECL-AAA317-002' with a note 'cubic yard'. At the top, there's a message 'Change request saved' in a red box.

Figure 107 System Message

## 15.8 Create Structure Element

When creating a structural element, the starting point is either the **hierarchy**, as is the case of the Classification Classes, because a parent must be selected:



The screenshot shows a modal dialog for 'Create Classification Class'. On the left, a sidebar lists actions like 'Create Classification Class' (which is highlighted), 'Remove Classification Class', etc. On the right, a tree view shows a classification hierarchy under 'Classification class'. The path selected is '18 Equipment f. mining, metallurgical plant, rolling mill a. foundry' -> '18-01 Equipment f. raw a. charge material pretreatment'. At the bottom, there are 'Select' and 'Cancel' buttons.

Figure 108 Hierarchy

or a **list of Structural Elements**, e.g. Properties, Values:



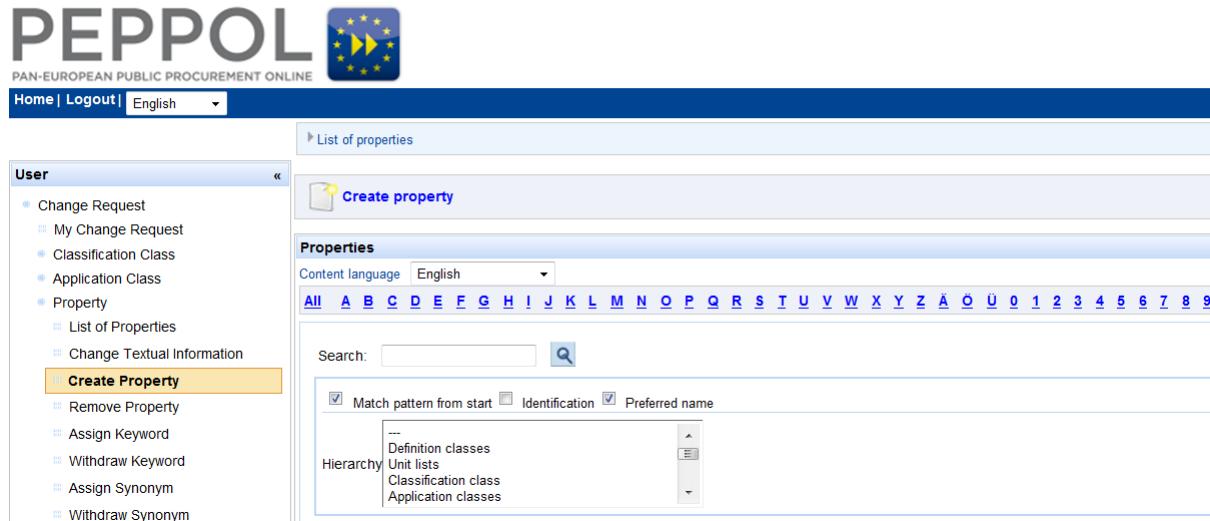


Figure 109 List of SE

**NB:** The creation of Application Classes is somehow special, because these can be created as standalone, or directly assigned to a Classification Class.

If **Create Application Class** is selected, the system will directly open the new AC dialog.

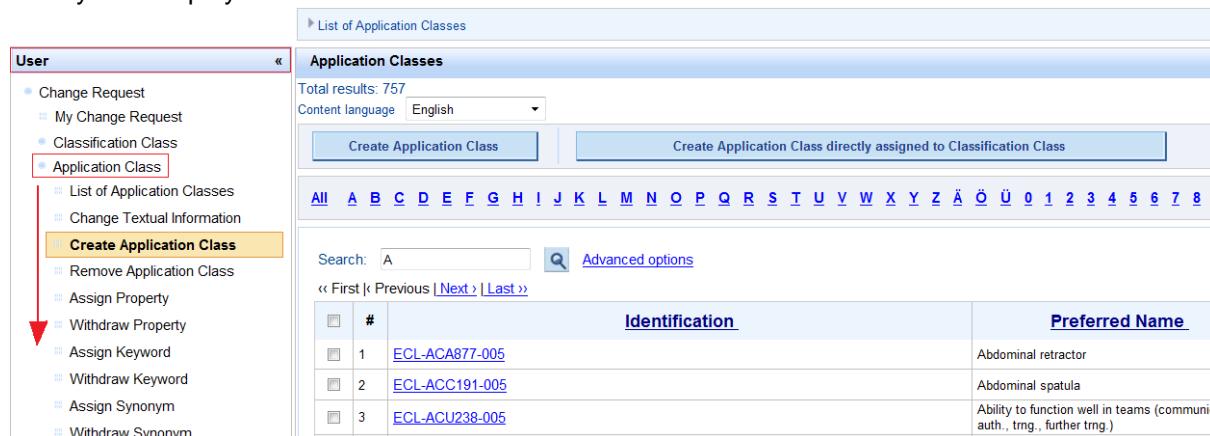
If **Create Application Class directly assigned to Classification Class** is clicked, the hierarchy is displayed first.

Given this particularity, the Application Class will be used in the examples shown below.

## 15.8.1 Create Application Class Directly Assigned to Classification Class

**Step 1:** To create a new AC, expand the [User] menu and the respective submenu and click on Create Application Class:

The system displays the list of ACs:



#	Identification	Preferred Name
1	ECL-ACA877-005	Abdominal retractor
2	ECL-ACC191-005	Abdominal spatula
3	ECL-ACU238-005	Ability to function well in teams (communic auth., trng., further trng.)

Figure 110 List of ACs

**Step 2:** Click **Create Application Class directly assigned to Classification Class** to select the parent class from the hierarchy:

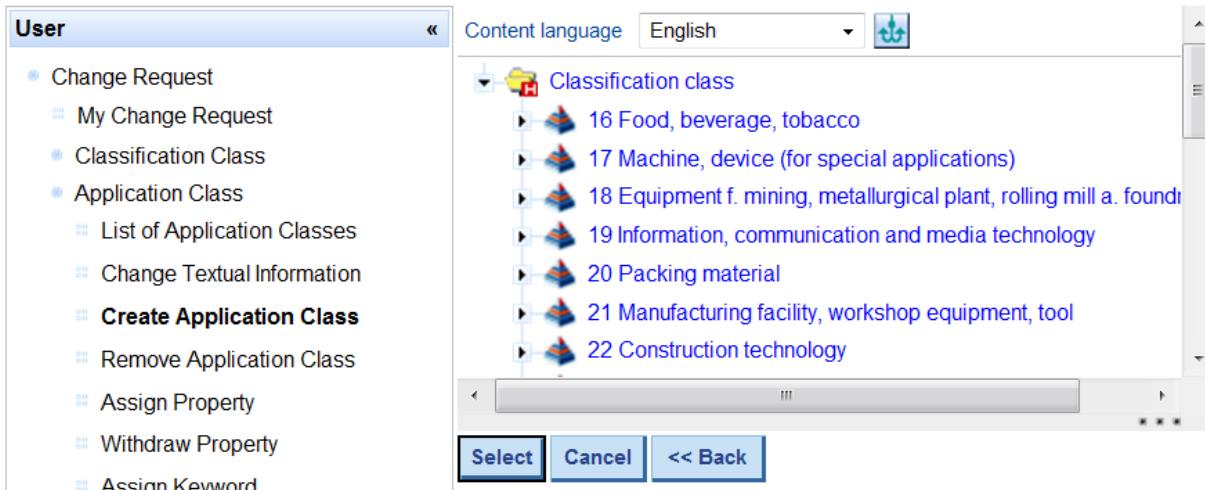


Figure 111 Hierarchy

**Step 3:** Expand the nodes and select a CC on fourth level:



Figure 112 Select CC on Fourth Level

**Step 4:** Click **Select** to open the new AC dialog:



▶ [List of Application Classes](#) ▶ Create Application Class

Content language	English	
Preferred name *	new text	Language
	New AC	
Short name	new text	Language
		
Definition	new text	Language
		
Source of definition	new text	Language
		

Figure 113 New AC Dialog 1

**Step 5:** At least the mandatory data must be entered, e.g. preferred name and reason; otherwise the user will not be able to save the new element:

Definition	new text	Language
		
Source of definition	new text	Language
		
Note	new text	Language
		
Remark	new text	Language
		
Attachment(s)	<a href="#">Attach new</a>	
Reason *		
ENTER REASON HERE		
<a href="#">Save</a>	<a href="#">Cancel</a>	<a href="#">&lt;&lt; Back</a>

Figure 114 New AC Dialog 2

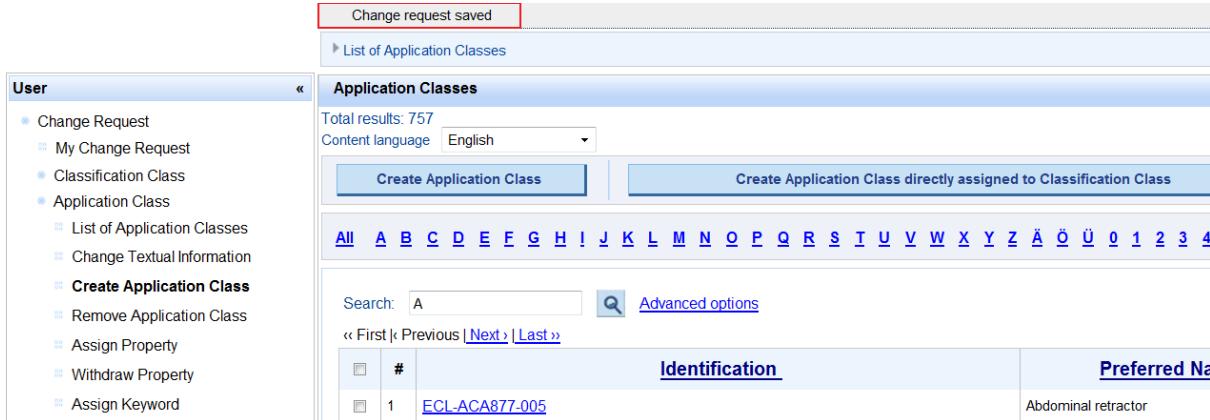
→ As the case may be, the user can attach .Pdf files by clicking [Attach new](#). The system opens a browsing dialog that serves to upload the .Pdf document from the computer.

Attachment(s)	<a href="#">Attach new</a>
<a href="#"> Browse</a>	
Allowed file formats: pdf	

Figure 115 Browse Dialog

**Step 6:** After entering at least the mandatory data in the fields, press [Save](#) to create the new AC. The system returns to the list of ACs and displays a confirmation message.





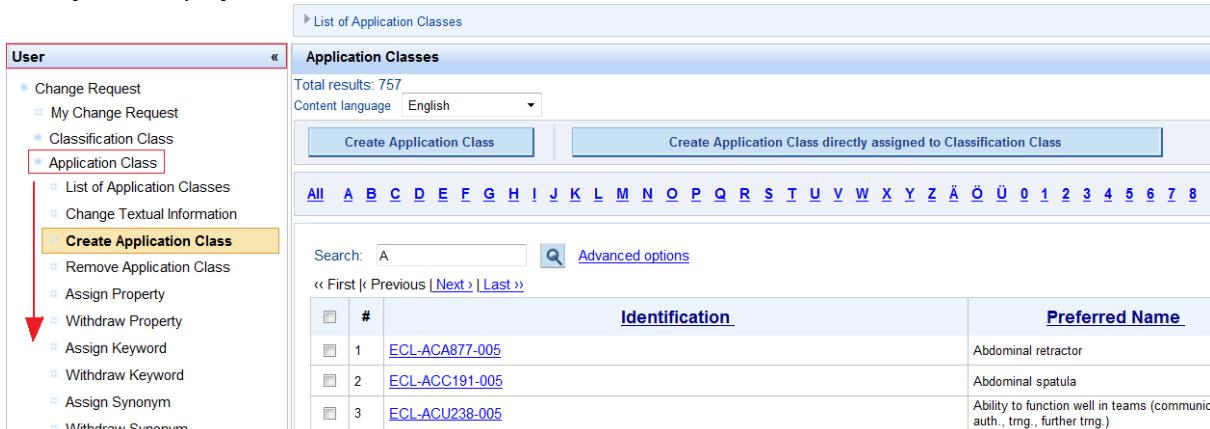
The screenshot shows a user interface for managing application classes. On the left, a sidebar menu under 'User' includes 'Change Request', 'Classification Class', 'Application Class' (which is expanded), and various sub-options like 'List of Application Classes'. The main area is titled 'Application Classes' with a total result count of 757. It features two buttons: 'Create Application Class' and 'Create Application Class directly assigned to Classification Class'. Below these are navigation links for letters A through Z and numbers 0-4. A search bar and advanced options are also present. The table lists application classes with columns for Identification (number and code) and Preferred Name. The first entry is 'ECL-ACA877-005' with the preferred name 'Abdominal retractor'.

Figure 116 System Confirmation Message

## 15.8.2 Create Application Class

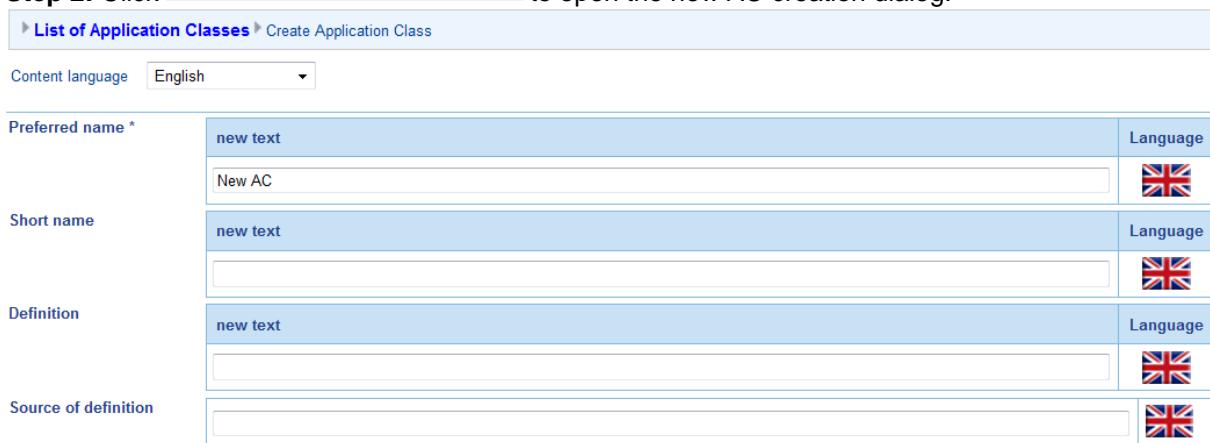
**Step 1:** To create a new AC, expand the [User] menu and the respective submenu and click on Create Application Class:

The system displays the list of ACs:



The screenshot shows the same application classes list as Figure 116, but with a red arrow pointing to the 'Create Application Class' button in the top right of the main content area. The table below shows three existing entries: 'ECL-ACA877-005' (Abdominal retractor), 'ECL-ACC191-005' (Abdominal spatula), and 'ECL-ACU238-005' (Ability to function well in teams (communic auth., trng., further trng)).

**Step 2:** Click **Create Application Class** to open the new AC creation dialog:



The screenshot shows the 'Create Application Class' dialog. It has a 'Content language' dropdown set to 'English'. The form contains several fields: 'Preferred name \*' with value 'new text', 'Short name' with value 'New AC', 'Definition' with value 'new text', and 'Source of definition' with an empty field. Each field has a 'Language' dropdown next to it, currently showing the UK flag.

Figure 117 New AC Dialog

**Step 3:** At least the mandatory data must be entered, e.g. preferred name and reason; otherwise the user will not be able to save the new element:



Note	new text	Language
	<input type="text"/>	
Remark	new text	Language
	<input type="text"/>	
Application Class Type	Basic	
Attachment(s)	<a href="#">Attach new</a>	
Reason *		
enter Reason here		
<input type="button" value="Save"/> <input type="button" value="Cancel"/> <input type="button" value="&lt;&lt; Back"/>		

Figure 118 New AC Dialog 2

→ As the case may be, the user can attach .Pdf files by clicking [Attach new](#). The system opens a browsing dialog that serves to upload the Pdf document from the computer.

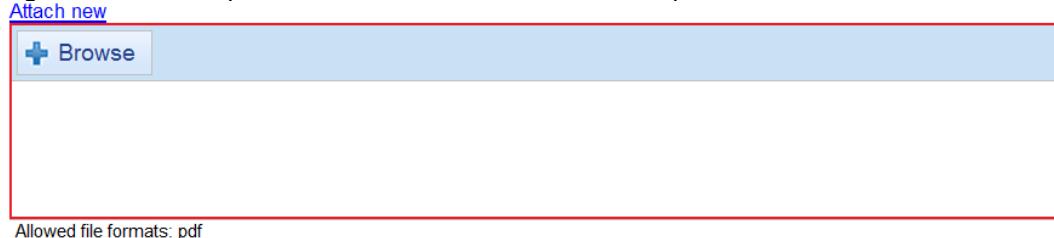


Figure 119 Browse Dialog

**Step 4:** After entering at least the mandatory data in the fields, press  to create the new AC. The system returns to the list of ACs and displays a confirmation message.

Change request saved							
<a href="#">List of Application Classes</a>							
User	Application Classes						
<ul style="list-style-type: none"> <li>Change Request</li> <li>My Change Request</li> <li>Classification Class</li> <li>Application Class</li> <li>List of Application Classes</li> <li>Change Textual Information</li> <li><b>Create Application Class</b></li> <li>Remove Application Class</li> <li>Assign Property</li> <li>Withdraw Property</li> <li>Assign Keyword</li> </ul>	Total results: 757 Content language English <input type="button" value="Create Application Class"/> <input type="button" value="Create Application Class directly assigned to Classification Class"/> <b>All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Ä Ö Ü 0 1 2 3 4</b> Search: A <input type="button" value="Advanced options"/> « First   Previous   <a href="#">Next</a>   Last » <table border="1"> <thead> <tr> <th>#</th> <th>Identification</th> <th>Preferred Na</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ECL-ACA877-005</td> <td>Abdominal retractor</td> </tr> </tbody> </table>	#	Identification	Preferred Na	1	ECL-ACA877-005	Abdominal retractor
#	Identification	Preferred Na					
1	ECL-ACA877-005	Abdominal retractor					

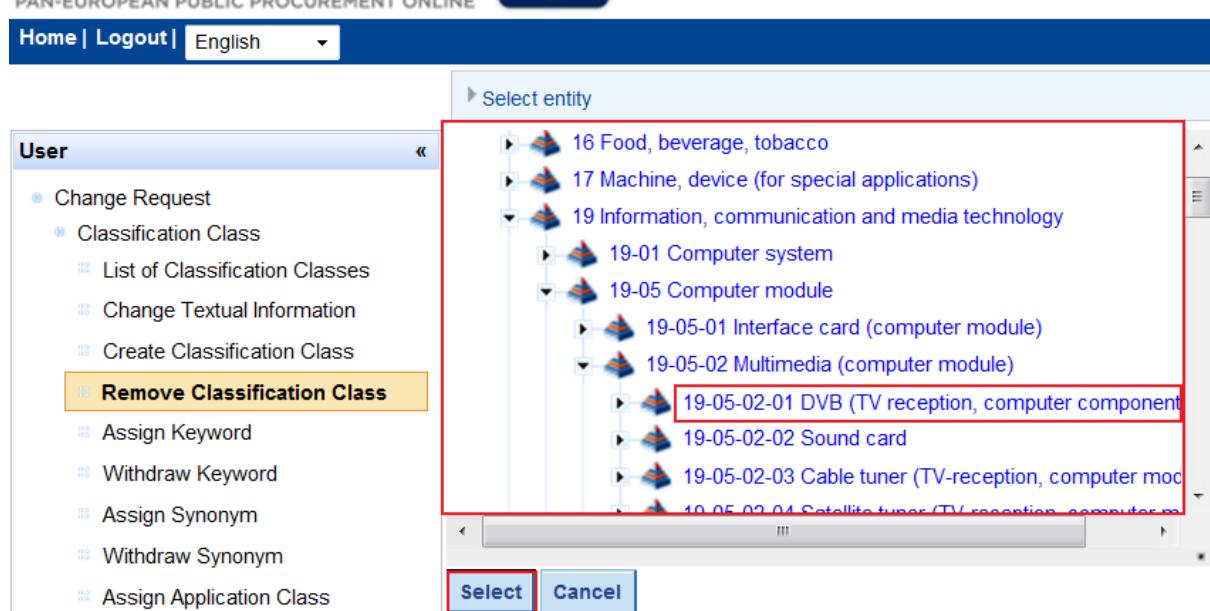
Figure 120 System Confirmation Message

## 15.9 Remove Structure Element

**Step 1:** To remove a Structure Element, expand the [User] menu and the respective submenu and click on Remove.

The starting point is either the **hierarchy**:

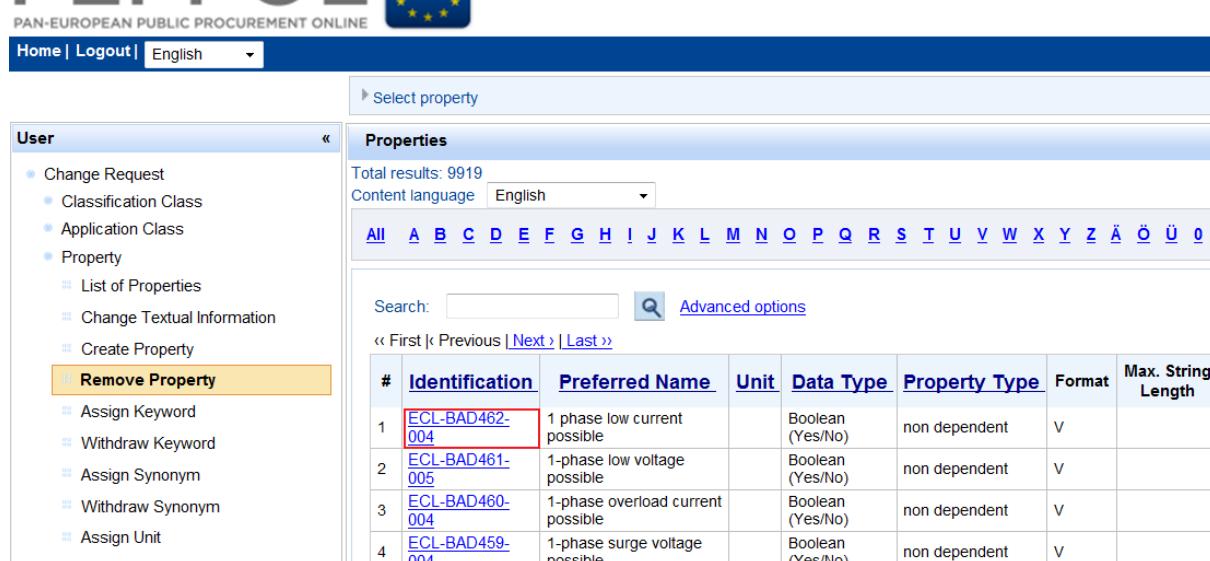




The screenshot shows the 'User' menu on the left with various options like 'Change Request', 'Classification Class', and 'Remove Classification Class'. On the right, a 'Select entity' dialog is open, displaying a hierarchical tree of classification classes. A red box highlights the specific classification code '19-05-02-01 DVB (TV reception, computer component)' under the '19-05 Computer module' category. At the bottom of the dialog are 'Select' and 'Cancel' buttons.

Figure 121 Hierarchy

or a list of Structural Elements:



The screenshot shows the 'User' menu on the left with options like 'Change Request', 'Classification Class', and 'Property'. On the right, a 'Properties' section is displayed with a search bar and a table of SEs. A red box highlights the 'Identification' column of the first row, which contains 'ECL-BAD462-004'. The table has columns for Identification, Preferred Name, Unit, Data Type, Property Type, Format, and Max. String Length. The table data is as follows:

#	Identification	Preferred Name	Unit	Data Type	Property Type	Format	Max. String Length
1	ECL-BAD462-004	1 phase low current possible		Boolean (Yes/No)	non dependent	V	
2	ECL-BAD461-005	1-phase low voltage possible		Boolean (Yes/No)	non dependent	V	
3	ECL-BAD460-004	1-phase overload current possible		Boolean (Yes/No)	non dependent	V	
4	ECL-BAD459-004	1-phase surge voltage possible		Boolean (Yes/No)	non dependent	V	

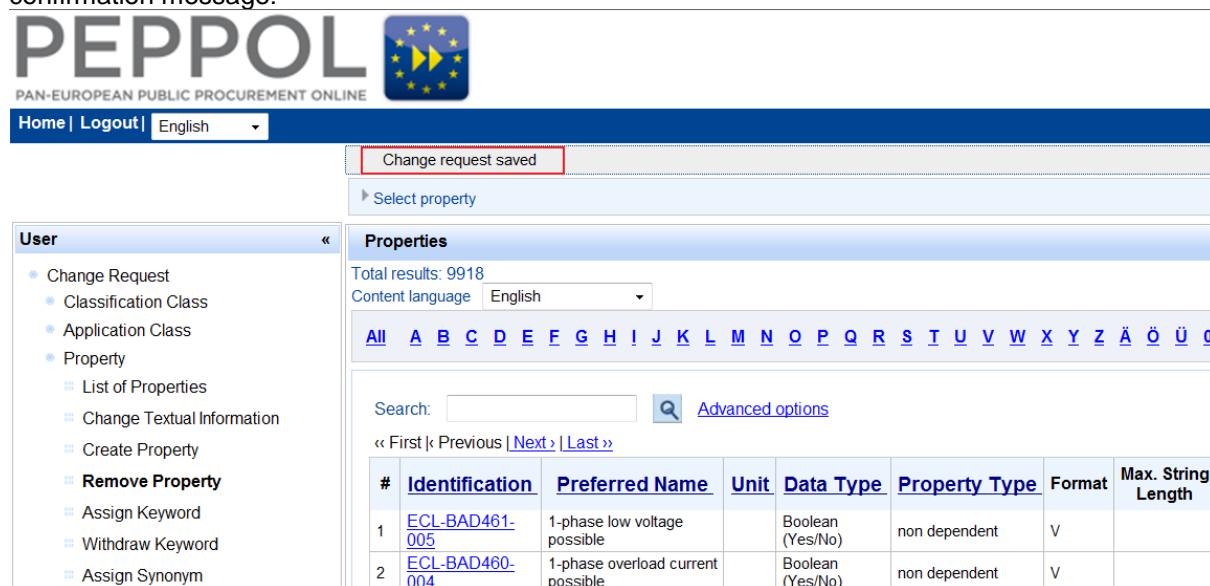
Figure 122 List of SEs

**Step 2:** Select the SE (in lists click on the Identification, in the hierarchy select the SE and click on **Select**). The system opens the removal dialog:

General (Property)	Format	Extended Attr.	Change Requests	Values	Unitlist	Cross- References
Preferred Name	1 phase low current possible					
Identification	ECL-BAD462-004					
Definition	whether current monitoring device is equipped with function 1-phase-low current					
Source of definition						
Short name						
Synonyms						
Unit	<a href="#">(Boolean)</a>					
Value List						
Note to definition						
Remark						
Type of Property	non dependent					
Preferred symbol						
Substitute symbol						
Level types						
Version date	2010-04-13					
Tag	<ul style="list-style-type: none"> <li>• PEPPOL1.0</li> <li>• eCI@ss6.2.1</li> </ul>					
<small>Attachment(s) <a href="#">Attach new</a></small>						
<small>Reason *</small>  <input type="text" value="ENTER REASON HERE"/>						
<input type="button" value="Save"/> <input type="button" value="Cancel"/> <input type="button" value="&lt;&lt; Back"/>						

Figure 123 Remove SE Dialog

**Step 3:** Enter the mandatory data and press **Save**. The system returns to the initial view and displays a confirmation message:



The screenshot shows the PEPPOL SRS interface. The top navigation bar includes links for Home, Logout, and English language selection. A message box at the top right says "Change request saved". Below it, a "Properties" section displays a table of properties. The table has columns for #, Identification, Preferred Name, Unit, Data Type, Property Type, Format, and Max. String Length. Two rows are listed:

#	Identification	Preferred Name	Unit	Data Type	Property Type	Format	Max. String Length
1	ECL-BAD461-005	1-phase low voltage possible		Boolean (Yes/No)	non dependent	V	
2	ECL-BAD460-004	1-phase overload current possible		Boolean (Yes/No)	non dependent	V	

Figure 124 System Message

## 15.10 Assign Structure Element

**Step 1:** To assign a SE to another SE, expand the [User] menu and the respective submenu and click on Assign.

The starting point is either the **hierarchy**:



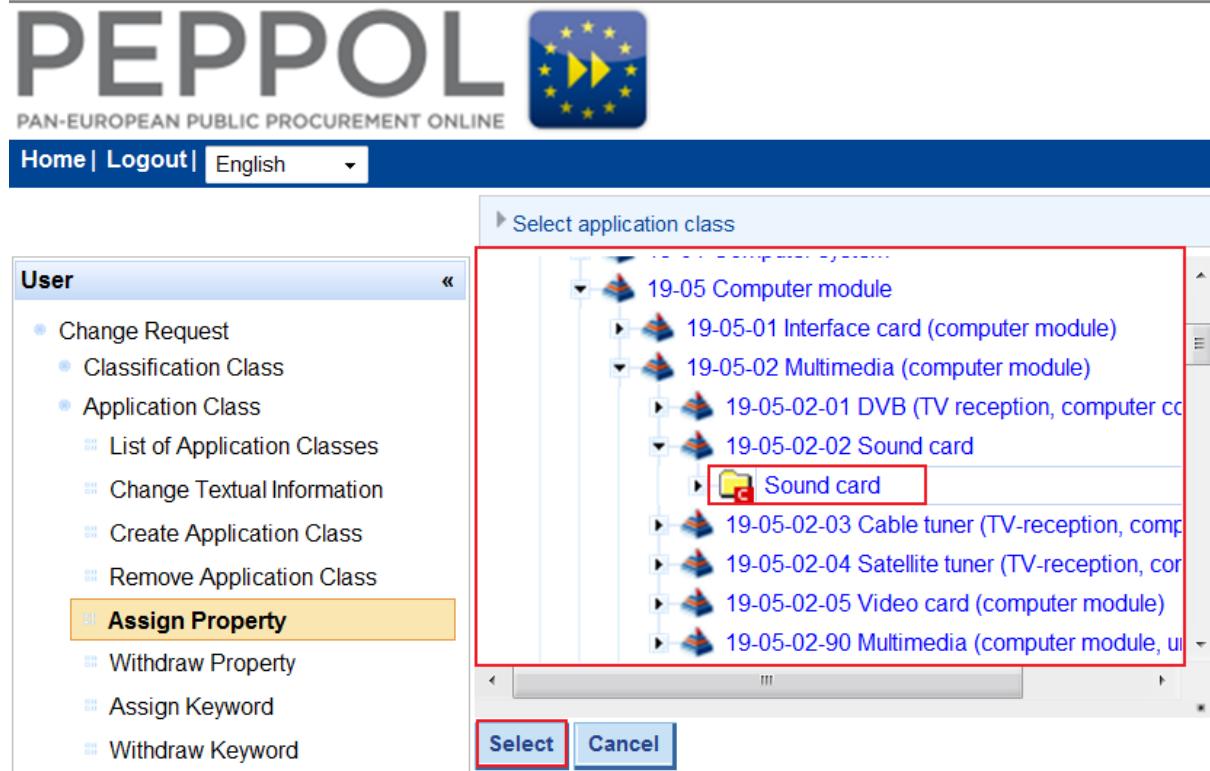


Figure 125 Hierarchy

or a list of Structural Elements:

The screenshot shows a 'List of Value lists' page. On the left, a sidebar menu includes 'Assign Value' (highlighted with an orange box). The main area displays a table of value lists:

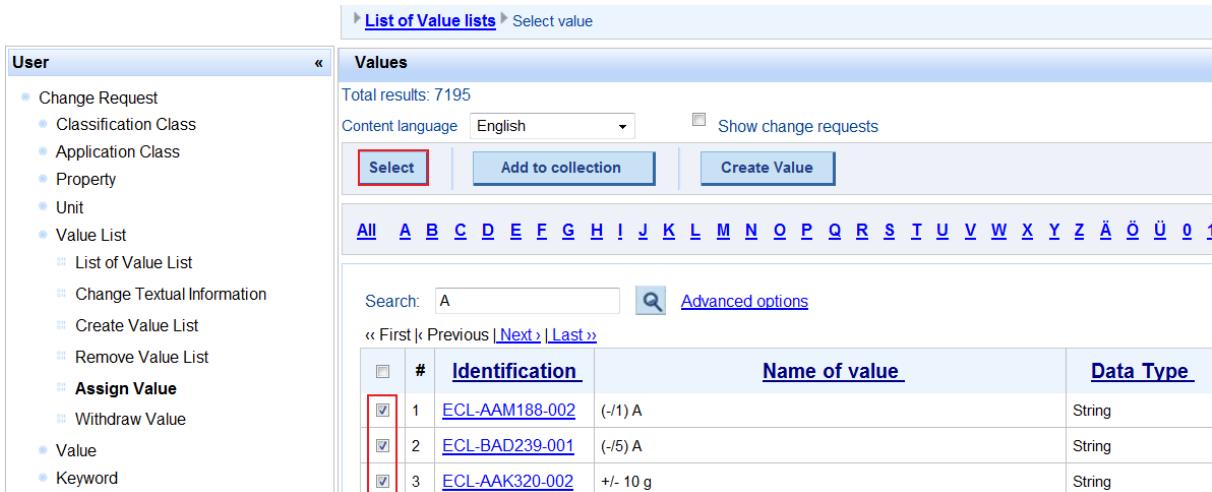
#	Identification	Name of value list	Data Type
1	ECL-AAB486-002	19"-level	String
2	ECL-AAB487-001	19"-profile tracks	String
3	ECL-AAB463-003	AAMI liquid barrier level	String
4	ECL-AAB926-001	AB0 blood group_1	String
5	ECL-AAB475-002	Absorbency of tampon	String

Figure 126 List of SEs

**Step 2:** Select the SE (in lists click on the Identification of the target SE, in the hierarchy select the target SE

and click on ).

The system opens the list of the SEs for assignation:



#	Identification	Name of value	Data Type
1	ECL-AAM188-002	(-/1) A	String
2	ECL-BAD239-001	(-/5) A	String
3	ECL-AAK320-002	+/- 10 g	String

Figure 127 List of SEs for Assigntion

**Step 3:** Tick the checkboxes of the entities that shall be assigned to another SE and click **Select**.  
The system displays the assigntion dialog:

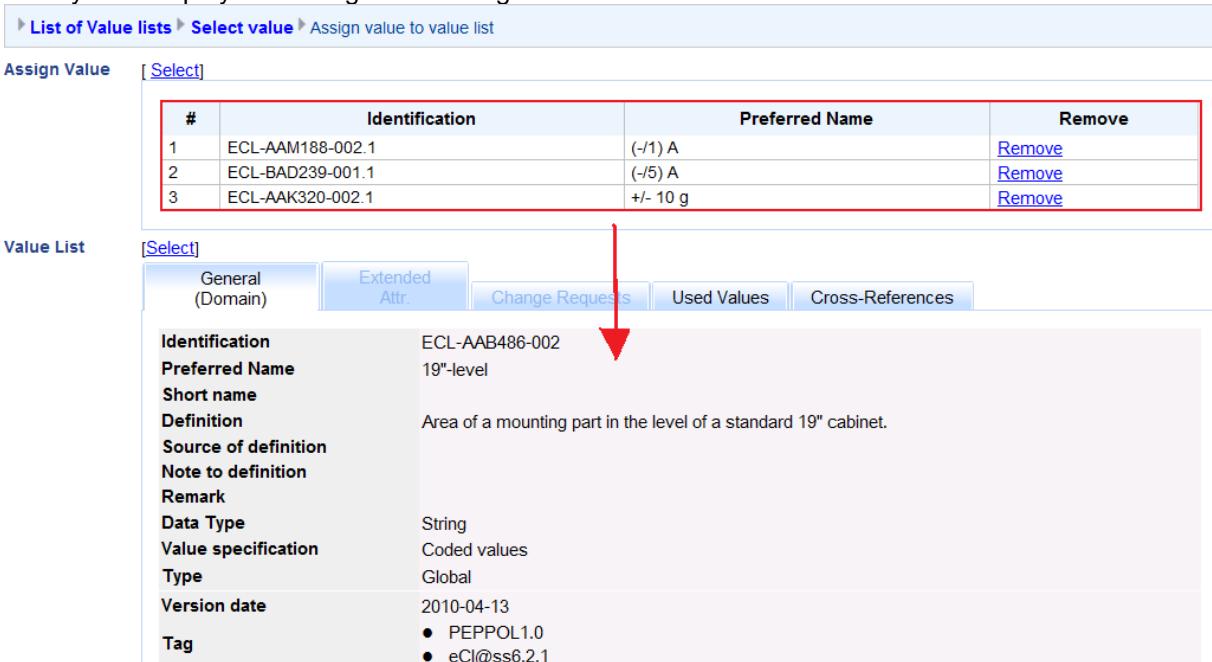


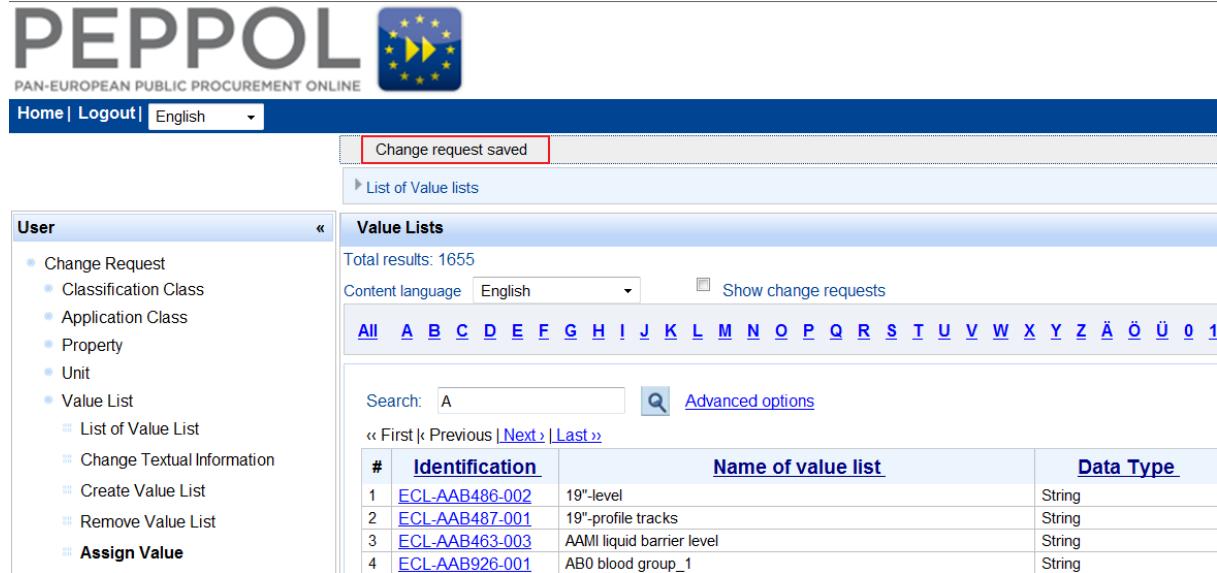
Figure 128 Assigntion Dialog

The SEs that are going to be assigned to another SE are displayed in a list above the details of the target SE.



**Step 4:** Enter the mandatory data and press **Save**. The system returns to the initial view and displays a confirmation message:





The screenshot shows the PEPPOL Value Lists interface. On the left, a sidebar menu under 'User' includes options like Change Request, Classification Class, Application Class, Property, Unit, Value List (with sub-options: List of Value List, Change Textual Information, Create Value List, Remove Value List), and Assign Value. A red box highlights the 'Value Lists' link. The main content area shows a table titled 'Value Lists' with the following data:

#	Identification	Name of value list	Data Type
1	ECL-AAB486-002	19"-level	String
2	ECL-AAB487-001	19"-profile tracks	String
3	ECL-AAB463-003	AAMI liquid barrier level	String
4	ECL-AAB926-001	ABO blood group_1	String

A message at the top says 'Change request saved'.

Figure 129 System Message

## 15.11 Withdraw Structure Element

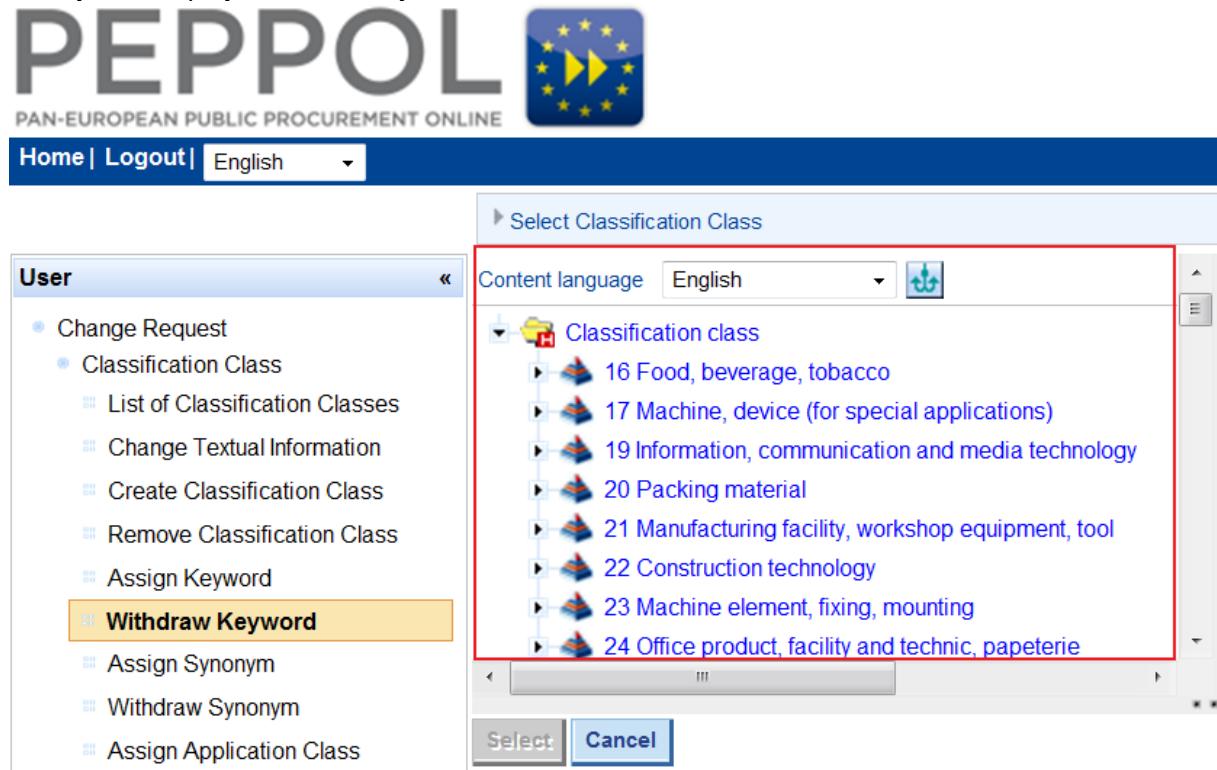
**Precondition:** The envisaged SE must have assigned elements.

The withdrawal of an SE differs from one SE to another. The hierarchy, the lists or a combination of both are used to perform withdrawals.

### 15.11.1 Withdraw KW from CC

**Step 1:** To withdraw a KW from a CC, expand the [User] menu and the CC submenu and click on Withdraw keyword.

The system displays the hierarchy:



The screenshot shows the PEPPOL Classification Class selection dialog. On the left, a sidebar menu under 'User' includes options like Change Request, Classification Class (with sub-options: List of Classification Classes, Change Textual Information, Create Classification Class, Remove Classification Class, Assign Keyword, Withdraw Keyword), Assign Synonym, Withdraw Synonym, and Assign Application Class. A red box highlights the 'Withdraw Keyword' option. The main content area shows a tree view of classification classes:

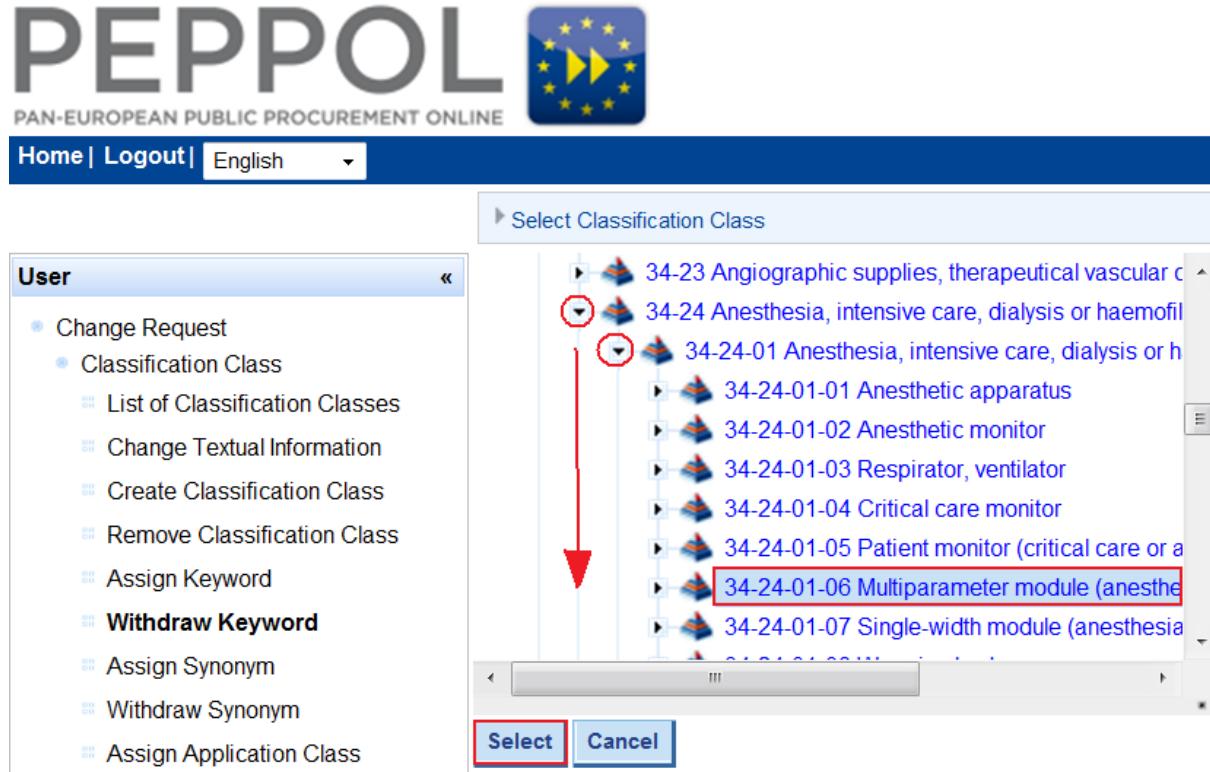
- Classification class
  - 16 Food, beverage, tobacco
  - 17 Machine, device (for special applications)
  - 19 Information, communication and media technology
  - 20 Packing material
  - 21 Manufacturing facility, workshop equipment, tool
  - 22 Construction technology
  - 23 Machine element, fixing, mounting
  - 24 Office product, facility and technic, papeterie

At the bottom are 'Select' and 'Cancel' buttons.



Figure 130 Hierarchy

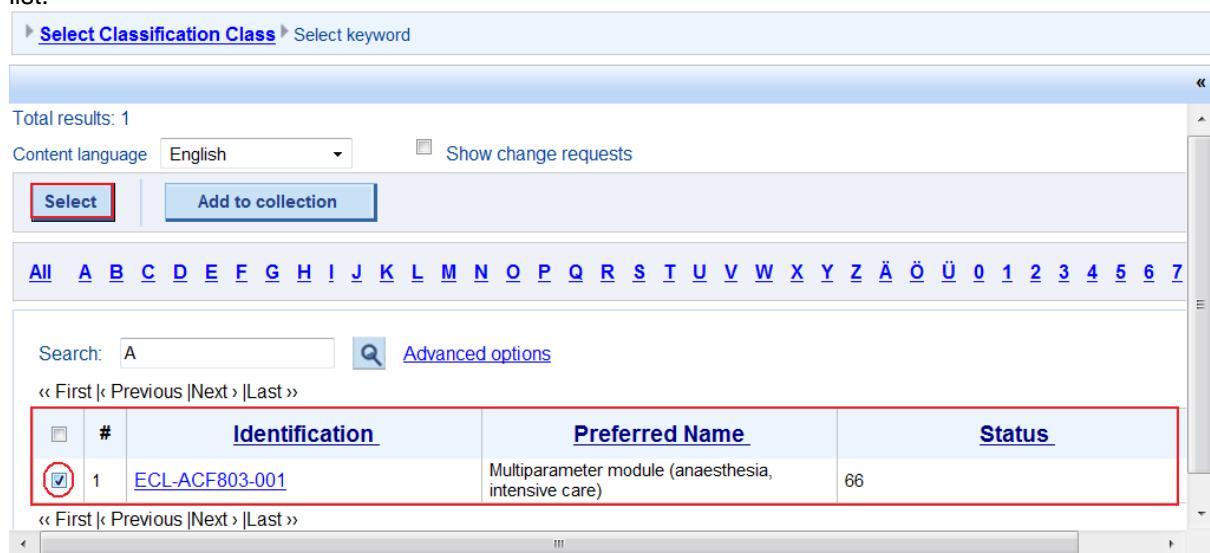
**Step 2:** As the case may be, expand the hierarchical nodes and select the desired CC with the cursor:



The screenshot shows the PEPPOL classification hierarchy. On the left, a sidebar titled 'User' lists various options like 'Change Request', 'Classification Class', and 'Withdraw Keyword'. In the center, a dialog box titled 'Select Classification Class' displays a hierarchical tree. A red arrow points from the 'User' sidebar to this dialog. The tree shows categories such as '34-23 Angiographic supplies, therapeutical vascular c...' and '34-24 Anesthesia, intensive care, dialysis or haemofiltration'. Under '34-24', several sub-categories are listed, including '34-24-01 Anesthesia, intensive care, dialysis or haemofiltration' which is expanded, showing further sub-categories like '34-24-01-01 Anesthetic apparatus', '34-24-01-02 Anesthetic monitor', '34-24-01-03 Respirator, ventilator', '34-24-01-04 Critical care monitor', '34-24-01-05 Patient monitor (critical care or a...)', '34-24-01-06 Multiparameter module (anaesthesia, intensive care)', and '34-24-01-07 Single-width module (anesthesia, intensive care)'. The node '34-24-01-06 Multiparameter module (anaesthesia, intensive care)' is highlighted with a red border. At the bottom of the dialog are 'Select' and 'Cancel' buttons.

Figure 131 Expanded Hierarchy

**Step 3:** Click **Select** and the system displays the withdrawal dialog. The assigned KWs are displayed in a list:



The screenshot shows the 'Select Classification Class' dialog. The 'Select' button is highlighted with a red border. Below it, a list titled 'Select keyword' shows one result: 'ECL-ACF803-001'. The dialog also includes a 'Content language' dropdown set to 'English', a 'Show change requests' checkbox, and 'Select' and 'Add to collection' buttons. At the bottom, there are navigation links for letters (A-Z), a search bar, and advanced options.

	#	Identification	Preferred Name	Status
<input checked="" type="checkbox"/>	1	ECL-ACF803-001	Multiparameter module (anaesthesia, intensive care)	66

Figure 132 List of Assigned KWs

**Step 4:** Tick the checkbox the KW and press **Select**. The system opens the withdrawal dialog:



▶ Select Classification Class ▶ Select keyword ▶ Withdraw keyword

Withdraw Keyword	[Select]										
	<table border="1"> <thead> <tr> <th>#</th> <th>Identification</th> <th>Preferred Name</th> <th>Remove</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ECL-ACF803-001.1</td> <td>Multiparameter module (anaesthesia, intensive care)</td> <td><a href="#">Remove</a></td> </tr> </tbody> </table>	#	Identification	Preferred Name	Remove	1	ECL-ACF803-001.1	Multiparameter module (anaesthesia, intensive care)	<a href="#">Remove</a>		
#	Identification	Preferred Name	Remove								
1	ECL-ACF803-001.1	Multiparameter module (anaesthesia, intensive care)	<a href="#">Remove</a>								
Classification Class	[Select]										
	<table border="1"> <thead> <tr> <th>General (Classification Class)</th> <th>Extended Attr.</th> <th>Change Requests</th> <th>Used Application Classes</th> <th>Cross-References</th> </tr> </thead> <tbody> <tr> <td> <b>Preferred Name</b>  <b>eCI@ss-coded name</b>  <b>Identification</b>  <b>Short name</b>  <b>Type</b>  <b>Definition</b>  <b>Source of definition</b>  <b>Synonyms</b>  <b>Remark</b>  <b>Superclass</b>  <b>Version date</b>  <b>Tag</b> </td> <td colspan="4">           Multiparameter module (anaesthesia, intensive care)            34-24-01-06            ECL-BAE736-005 <a href="#">[Copy to clipboard]</a>            Classification Class  <a href="#">Anesthesia, intensive care, dialysis or haemofiltration supplies (ECL-BAE727-004)</a>            2010-04-12  <ul style="list-style-type: none"> <li>PEPPOL1.0</li> <li>eCI@ss6.2.1</li> </ul> </td> </tr> </tbody> </table>	General (Classification Class)	Extended Attr.	Change Requests	Used Application Classes	Cross-References	<b>Preferred Name</b> <b>eCI@ss-coded name</b> <b>Identification</b> <b>Short name</b> <b>Type</b> <b>Definition</b> <b>Source of definition</b> <b>Synonyms</b> <b>Remark</b> <b>Superclass</b> <b>Version date</b> <b>Tag</b>	Multiparameter module (anaesthesia, intensive care) 34-24-01-06 ECL-BAE736-005 <a href="#">[Copy to clipboard]</a> Classification Class <a href="#">Anesthesia, intensive care, dialysis or haemofiltration supplies (ECL-BAE727-004)</a> 2010-04-12 <ul style="list-style-type: none"> <li>PEPPOL1.0</li> <li>eCI@ss6.2.1</li> </ul>			
General (Classification Class)	Extended Attr.	Change Requests	Used Application Classes	Cross-References							
<b>Preferred Name</b> <b>eCI@ss-coded name</b> <b>Identification</b> <b>Short name</b> <b>Type</b> <b>Definition</b> <b>Source of definition</b> <b>Synonyms</b> <b>Remark</b> <b>Superclass</b> <b>Version date</b> <b>Tag</b>	Multiparameter module (anaesthesia, intensive care) 34-24-01-06 ECL-BAE736-005 <a href="#">[Copy to clipboard]</a> Classification Class <a href="#">Anesthesia, intensive care, dialysis or haemofiltration supplies (ECL-BAE727-004)</a> 2010-04-12 <ul style="list-style-type: none"> <li>PEPPOL1.0</li> <li>eCI@ss6.2.1</li> </ul>										

Figure 133 Withdrawal Dialog

The KW which is going to be withdrawn is displayed above the details of the Classification Class.

Reason \*

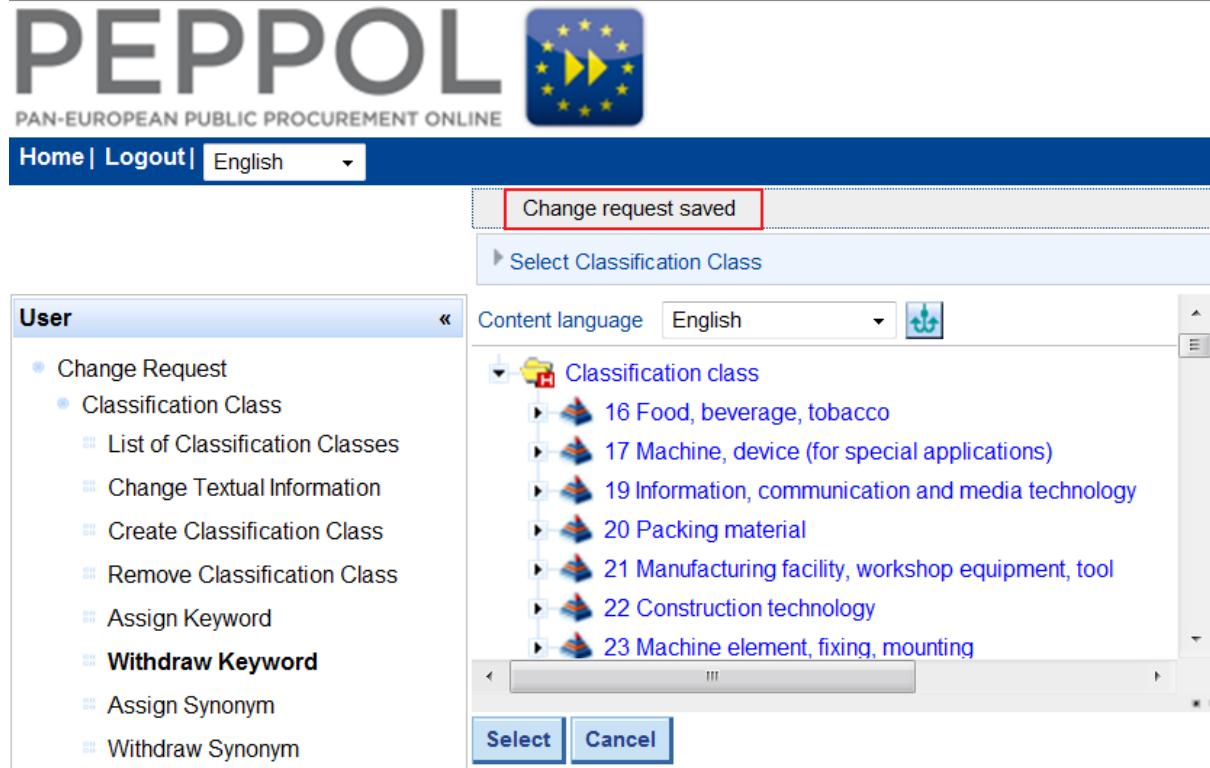


ENTER REASON HERE

[Save](#) [Cancel](#) [<< Back](#)

**Step 5:** Enter the mandatory data and press **Save**. The system returns to the initial view and displays a confirmation message:





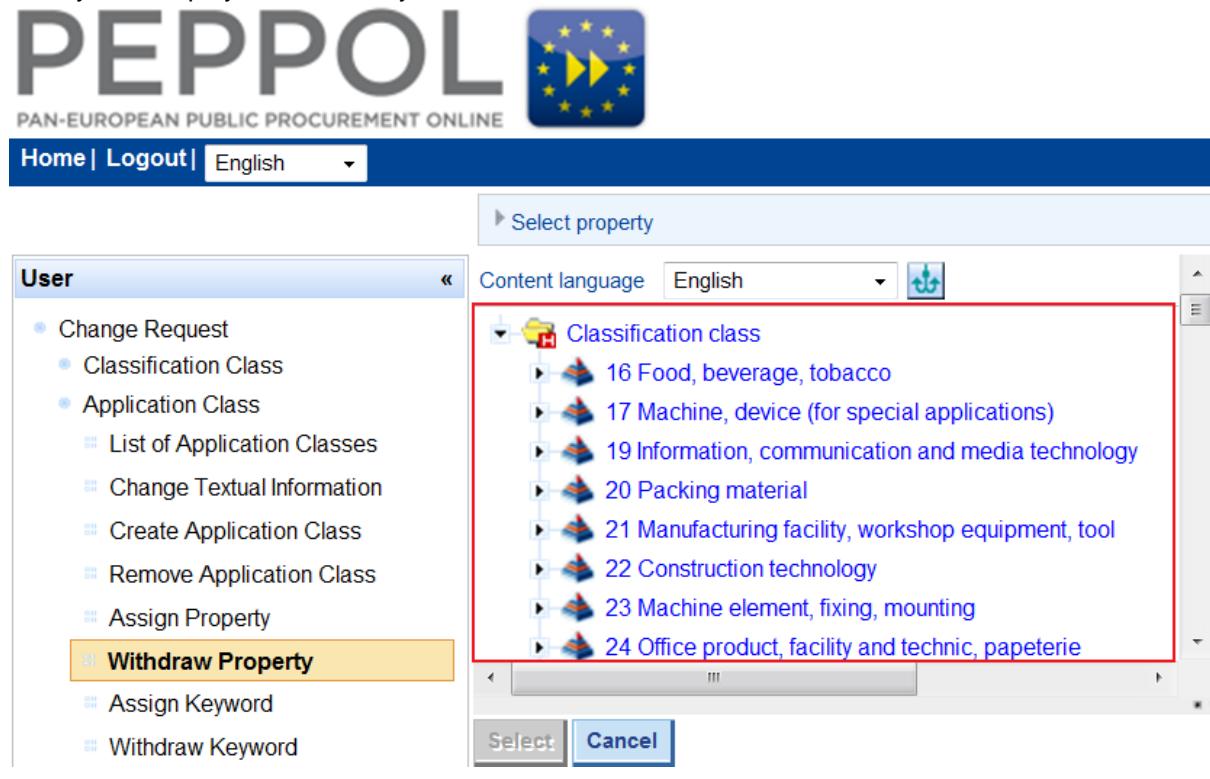
The screenshot shows the PEPPOL software interface. At the top left is the 'User' menu with various options like Change Request, Classification Class, Application Class, etc. A red box highlights the 'Classification Class' option under the 'User' menu. On the right, there is a 'Select Classification Class' dialog box. The dialog has a 'Content language' dropdown set to English. Below it is a tree view of classification classes, with 'Classification class' expanded. Underneath are numbered items from 16 to 23. A red box highlights item 24: '24 Office product, facility and technic, papeterie'. At the bottom of the dialog are 'Select' and 'Cancel' buttons.

Figure 134 System Message

### 15.11.2 Remove PR from AC

**Step 1:** To withdraw a PR from an AC, expand the [User] menu and the AC submenu and click on Withdraw property.

The system displays the hierarchy:



The screenshot shows the PEPPOL software interface. The 'User' menu is open, and the 'Withdraw Property' option under the Application Class submenu is highlighted with a yellow box. On the right, a 'Select property' dialog box is displayed. It has a 'Content language' dropdown set to English. Below it is a tree view of classification classes, with 'Classification class' expanded. Underneath are numbered items from 16 to 24. A red box highlights item 24: '24 Office product, facility and technic, papeterie'. At the bottom of the dialog are 'Select' and 'Cancel' buttons.



Figure 135 Hierarchy

**Step 2:** Expand the hierarchical nodes up to Application Class and select the Property with the cursor:

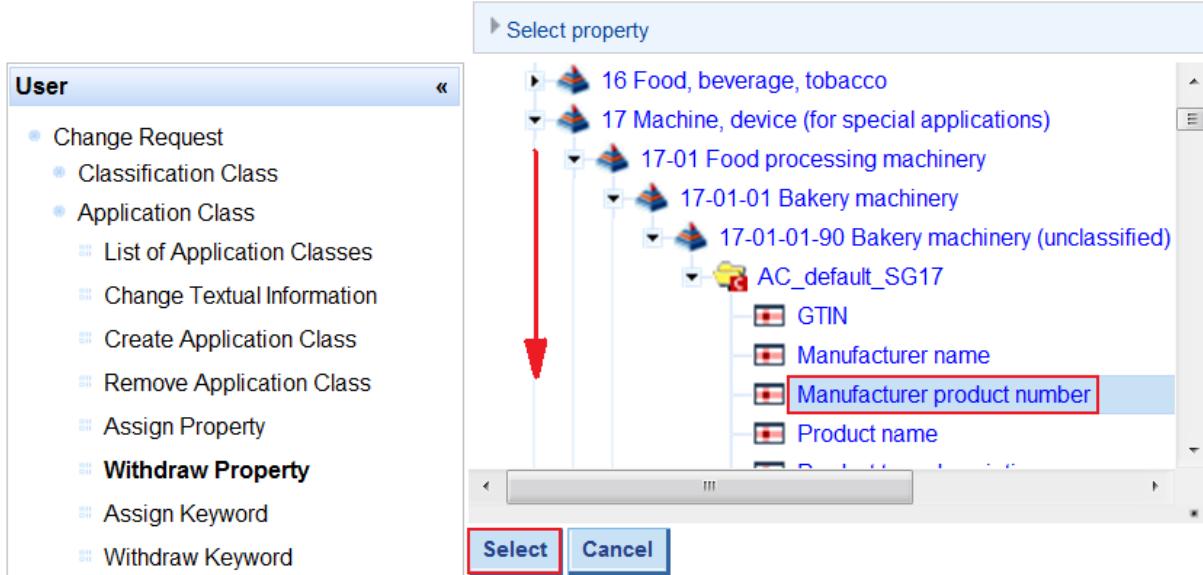


Figure 136 Expanded Hierarchy

**Step 3:** Click **Select**. The system displays the withdrawal dialog:

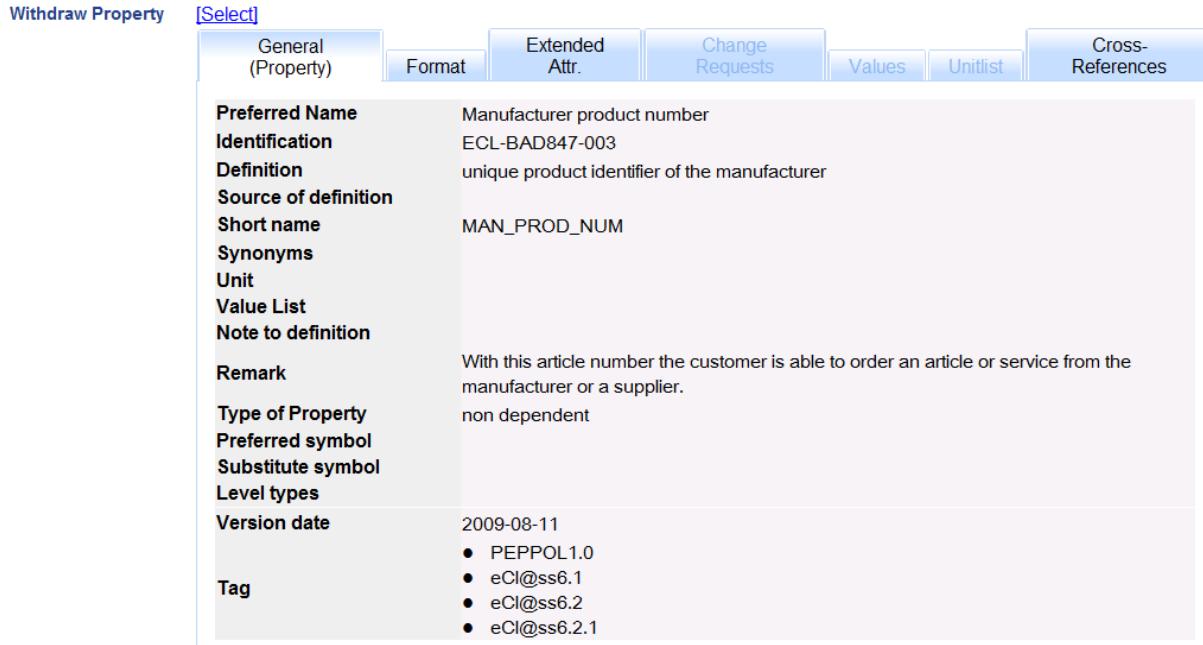


Figure 137 Withdrawal Dialog

Application Class	General (Application Class)	Extended Attr.	Change Requests	Used properties	Cross-References
<b>Preferred Name</b>	AC_default_SG17				
<b>Identification</b>	ECL-DAC017-002				
<b>Short name</b>					
<b>Type</b>	Application Class				
<b>Definition</b>					
<b>Source of definition</b>					
<b>Synonyms</b>					
<b>Remark</b>					
<b>Superclass</b>	eCl@ss (ECL-AAA001-001)				
<b>Version date</b>	2009-11-28				
<b>Tag</b>	<ul style="list-style-type: none"> <li>• PEPPOL1.0</li> <li>• eCl@ss6.2</li> <li>• eCl@ss6.2.1</li> </ul>				

Attachment(s) [Attach new](#)

Reason \* 

ENTER REASON HERE

**Save** **Cancel** **<< Back**

**Step 4:** Enter the mandatory data and press **Save**. The system returns to the initial view and displays a confirmation message:



The screenshot shows the PEPPOL software interface. At the top, there is a logo for "PEPPOL PAN-EUROPEAN PUBLIC PROCUREMENT ONLINE". Below the logo, there is a navigation bar with links for "Home | Logout" and a language dropdown set to "English". A red box highlights the "Change request saved" message in a blue-bordered box. To the right of the message, there is a "Select property" button. On the left, there is a sidebar menu under the heading "User" with several options: "Change Request", "Classification Class", "Application Class", "List of Application Classes", "Change Textual Information", "Create Application Class", "Remove Application Class", "Assign Property", "Withdraw Property", "Assign Keyword", "Withdraw Keyword", and "Assign Synonym". A red box highlights the "Withdraw Property" option. To the right of the sidebar, there is a "Content language" dropdown set to "English" and a "Classification class" tree. The tree shows categories like "16 Food, beverage, tobacco", "17 Machine, device (for special applications)", "17-01 Food processing machinery", "17-01-01 Bakery machinery", "17-01-01-90 Bakery machinery (unclassified)", and "AC\_default\_SG17". Under "AC\_default\_SG17", there are three items: "GTIN", "Manufacturer name", and "Manufacturer product number". At the bottom of the classification tree, there are "Select" and "Cancel" buttons.

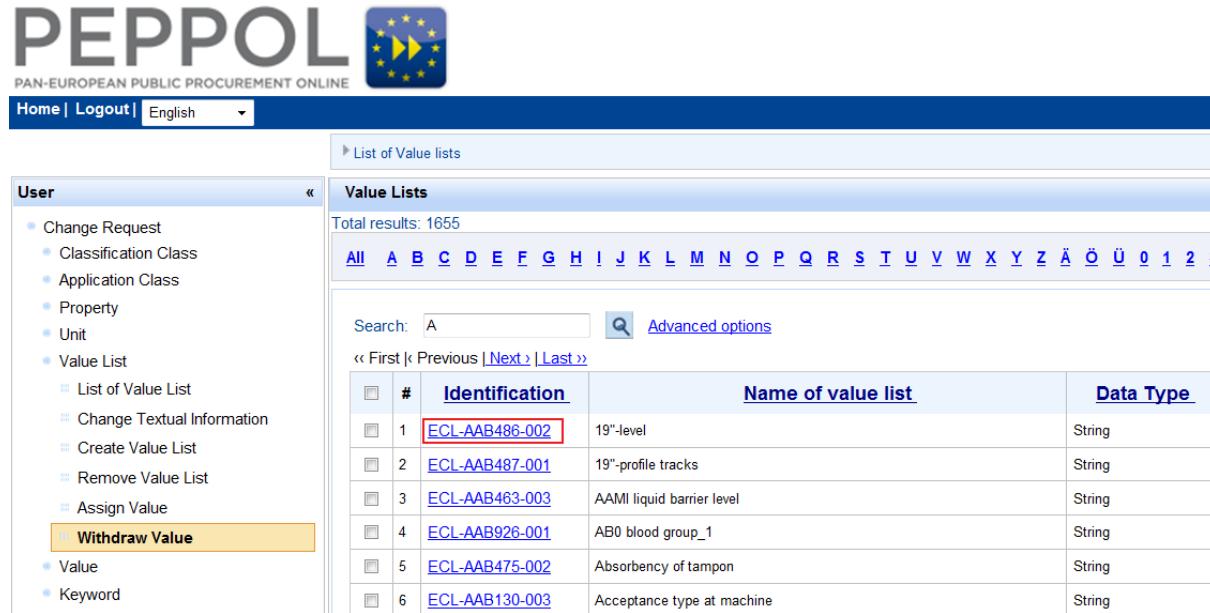
Figure 138 System Message

### 15.11.3 Withdraw VL from VaL

**Step 1:** To withdraw a VL from VaL, expand the [User] menu and the Value List submenu and click on Withdraw value.

The system displays the list of Value List:



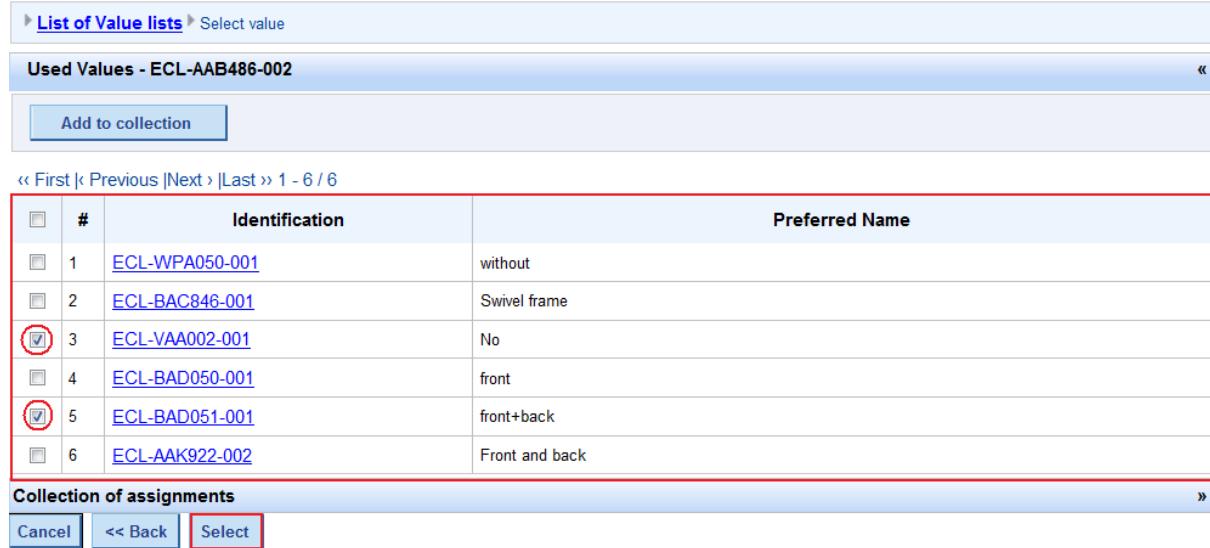


The screenshot shows the PEPPOL Value Lists interface. On the left, a sidebar titled 'User' contains links for Change Request, Classification Class, Application Class, Property, Unit, Value List (with 'Withdraw Value' highlighted), Value, and Keyword. The main area is titled 'Value Lists' and shows a table of value lists. The table has columns for '#', 'Identification', 'Name of value list', and 'Data Type'. The first row, 'ECL-AAB486-002', is selected and highlighted with a red border. The table contains 6 rows of data.

#	Identification	Name of value list	Data Type
1	ECL-AAB486-002	19"-level	String
2	ECL-AAB487-001	19"-profile tracks	String
3	ECL-AAB463-003	AAMI liquid barrier level	String
4	ECL-AAB926-001	AB0 blood group_1	String
5	ECL-AAB475-002	Absorbency of tampon	String
6	ECL-AAB130-003	Acceptance type at machine	String

Figure 139 List of VaLs

**Step 2:** Select the Value List by clicking on the Identification. The system shifts to the list of values contained by this list:



The screenshot shows the 'Used Values - ECL-AAB486-002' interface. It displays a table of values with columns for '#', 'Identification', and 'Preferred Name'. Rows 3 and 5 have checkboxes checked. At the bottom, there is a 'Collection of assignments' section with 'Cancel', '<< Back', and 'Select' buttons. The 'Select' button is highlighted with a red border.

#	Identification	Preferred Name
1	ECL-WPA050-001	without
2	ECL-BAC846-001	Swivel frame
<input checked="" type="checkbox"/> 3	ECL-VAA002-001	No
<input checked="" type="checkbox"/> 4	ECL-BAD050-001	front
<input checked="" type="checkbox"/> 5	ECL-BAD051-001	front+back
6	ECL-AAK922-002	Front and back

**Collection of assignments**

Cancel << Back Select

Figure 140 List of Values

**Step 3:** Tick the affiliated checkboxes and click **Select**. The system displays the withdrawal dialog.

▶ List of Value lists ▶ Select value ▶ Withdraw value to value list

Withdraw Value [Select]

#	Identification	Preferred Name	Remove
1	ECL-BAD051-001.1	front+back	<a href="#">Remove</a>
2	ECL-VAA002-001.1	No	<a href="#">Remove</a>

Value List [Select]

General (Domain)	Extended Attr	Change Requests	Used Values	Cross-References
<b>Identification</b> <b>Preferred Name</b> <b>Short name</b> <b>Definition</b> <b>Source of definition</b> <b>Note to definition</b> <b>Remark</b> <b>Data Type</b> <b>Value specification</b> <b>Type</b> <b>Version date</b> <b>Tag</b>	ECL-AAB486-002 19"-level Area of a mounting part in the level of a standard 19" cabinet.  String Coded values Global 2010-04-13 <ul style="list-style-type: none"> <li>PEPPOL1.0</li> <li>eCl@ss6.2.1</li> </ul>			

Figure 141 Withdrawal Dialog

The Values which are going to be withdrawn are displayed in a list above the Value List details.

Reason \*



ENTER REASON HERE

[Save](#) [Cancel](#) [<< Back](#)

Figure 142 Mandatory Data

**Step 4:** Enter the mandatory data and press **Save**. The system returns to the initial view and displays a confirmation message:

**PEPPOL**  
PAN-EUROPEAN PUBLIC PROCUREMENT ONLINE

Home | Logout | English ▾

Change request saved

List of Value lists

User

- Change Request
- Classification Class
- Application Class
- Property
- Unit
- Value List
  - List of Value List
  - Change Textual Information
  - Create Value List
  - Remove Value List
  - Assign Value
  - Withdraw Value**

Total results: 1655

All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Ä Ö Ü 0 1 2 3

Search: A

« First | Previous | [Next >](#) | Last »

#	Identification	Name of value list	Data Type
1	ECL-AAB486-002	19"-level	String
2	ECL-AAB487-001	19"-profile tracks	String
3	ECL-AAB463-003	AAMI liquid barrier level	String
4	ECL-AAB926-001	AB0 blood group_1	String

Figure 143 System Message



## 16 PEPPOL Manage Structure Templates

### 16.1 Introduction

### 16.2 Purpose

The purpose of this Storybook is to provide an overview and to guide the user in managing structure templates.

### 16.3 Scope

In scope of this document:

Out of scope: to propose other functionalities or amendments.

### 16.4 Definitions, Acronyms and Abbreviations

AC - Application Class

PR - Property

### 16.5 References

[https://sp.paradine.at/sites/Teamsite/Solution/PEPPOL-ePPS/N-Docs/PEPPOL-ePPS-Implementation-0001-SRS-Software\\_Requirements\\_Specification\\_v1.0.pdf](https://sp.paradine.at/sites/Teamsite/Solution/PEPPOL-ePPS/N-Docs/PEPPOL-ePPS-Implementation-0001-SRS-Software_Requirements_Specification_v1.0.pdf)



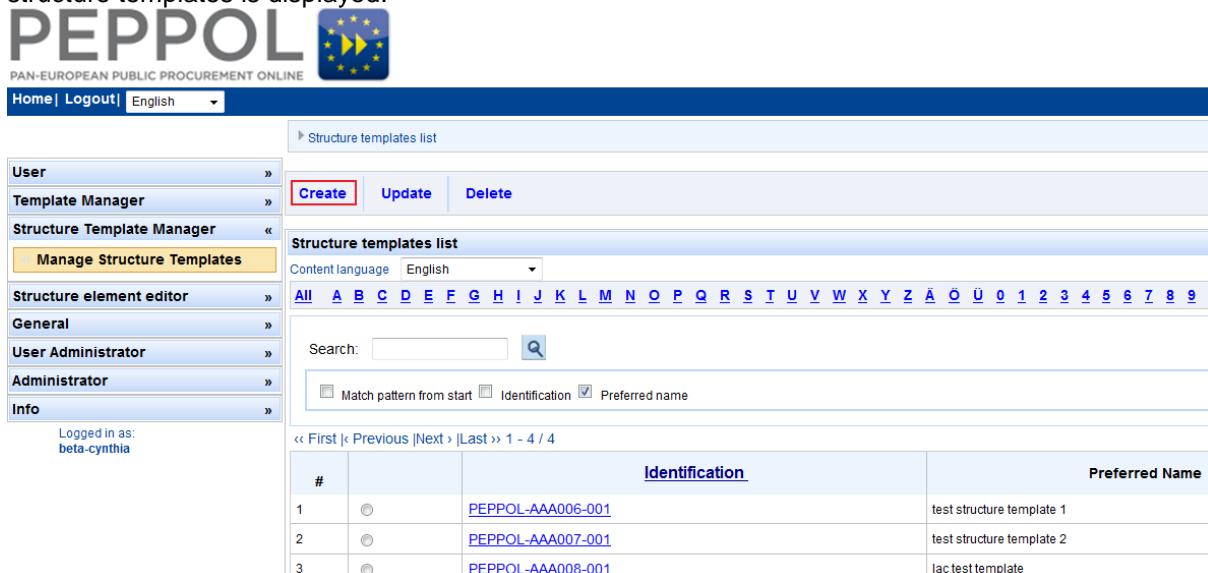
## 16.6 Manage Structure Templates

**Prerequisites:** In order to handle templates, the authenticated user must have the role Template Editor assigned.

## 16.7 Create Structure Template

Templates are created on Application Classes that are selected from the hierarchy.

Expand the menu [Structure Template Manager] and click [Manage Structure Templates]. The list of structure templates is displayed:



#	Identification	Preferred Name
1	PEPPOL-AAA006-001	test structure template 1
2	PEPPOL-AAA007-001	test structure template 2
3	PEPPOL-AAA008-001	Iac test template

Figure 144 List of Structure Templates

Click **Create** and on the screen, the entire hierarchical system displays segments that can be expanded:

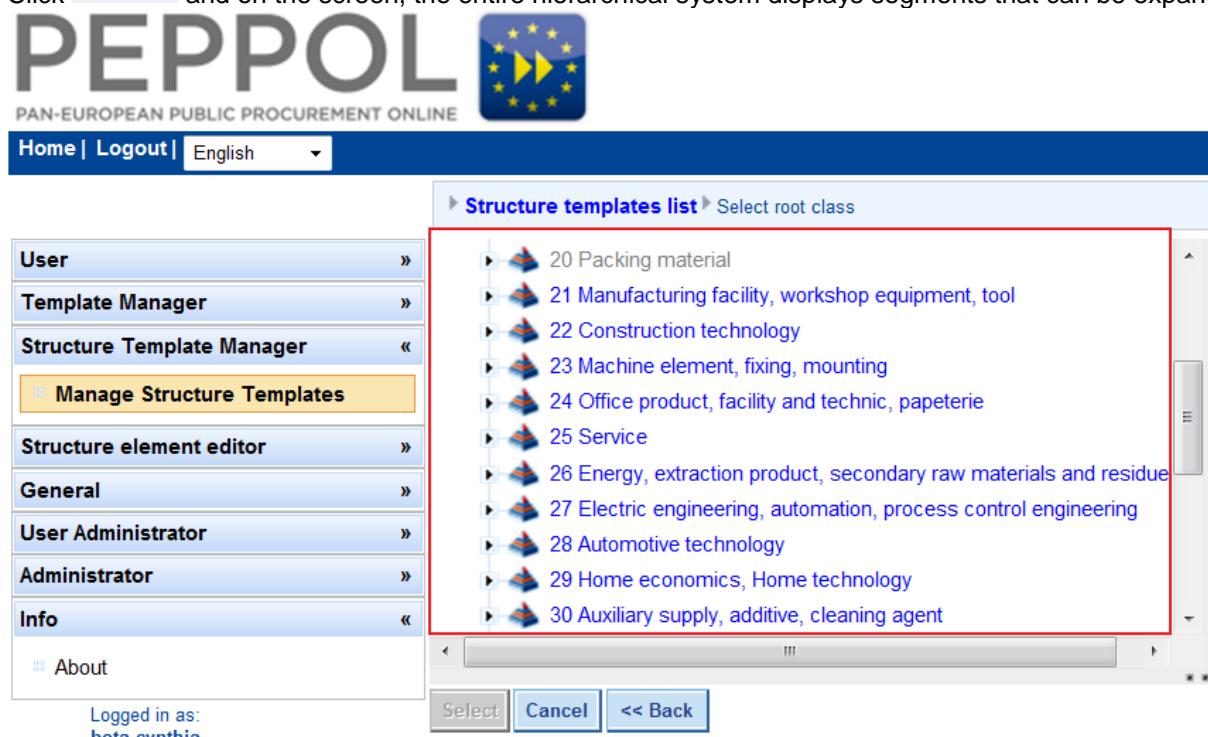
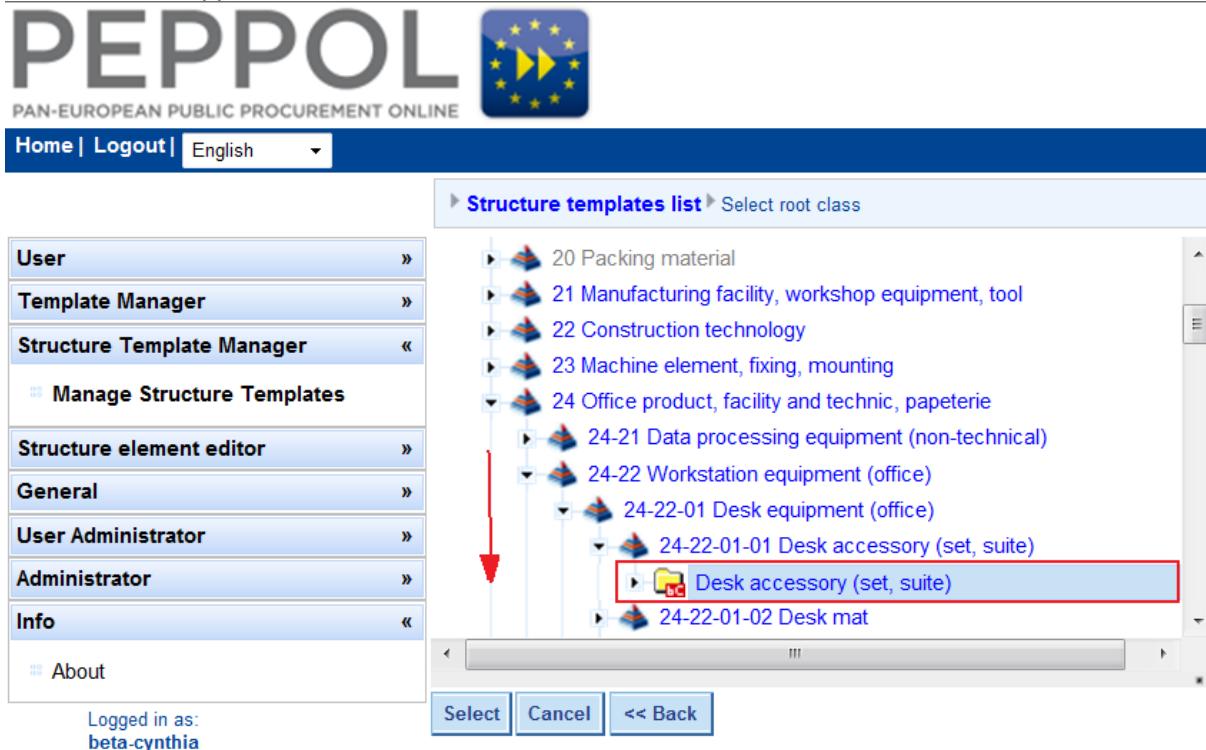


Figure 145 Hierarchy



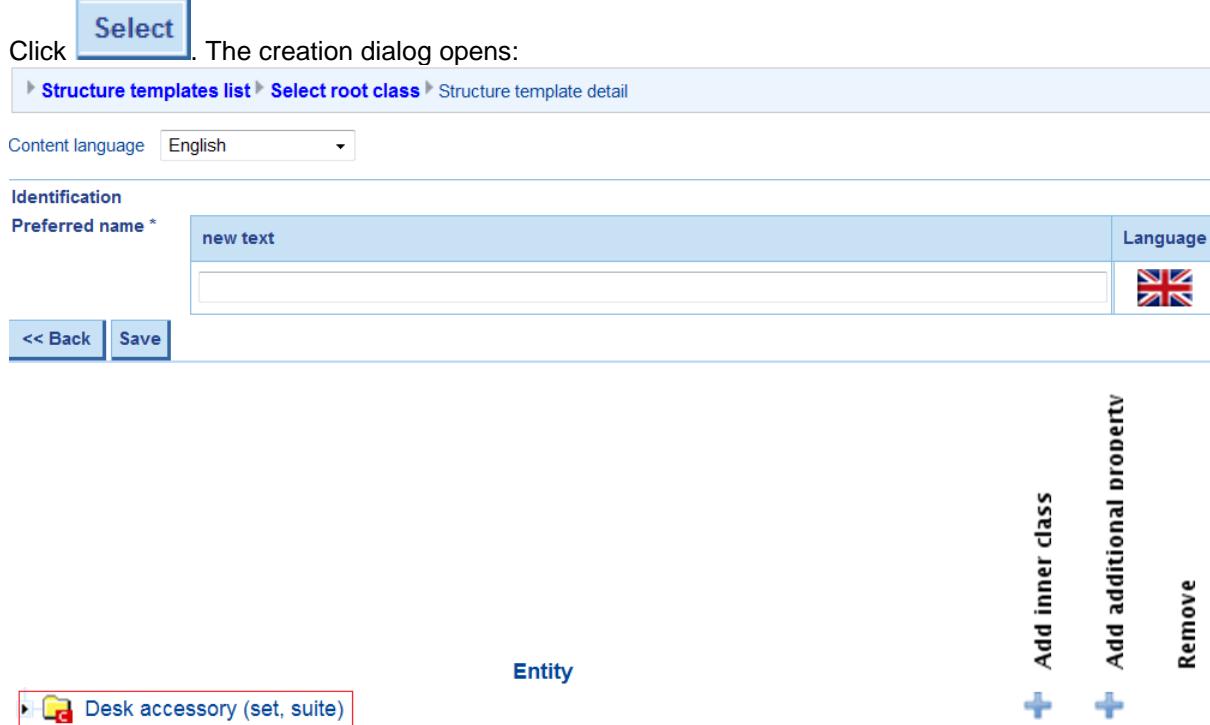
In this view, expand the hierarchy up to the node of the desired Application Class.  
Select the root Application Class with the mouse cursor:



The screenshot shows the 'Structure templates list' interface. On the left is a navigation sidebar with links like User, Template Manager, Structure Template Manager, etc. The main area displays a hierarchical tree of Application Classes (ACs). A red arrow points to the 'Desk accessory (set, suite)' node under '24-22-01 Desk equipment (office)'. The 'Select' button at the bottom is also highlighted with a red border.

Figure 146 Selection of AC

Click **Select**. The creation dialog opens:



Identification	
Preferred name *	Language
new text	

**Entity**

**Add inner class** **Add additional property** **Remove**

**Entity**

**Desk accessory (set, suite)**

Figure 147 Create Structure Template

Enter the preferred name of the template as it is mandatory:



Identification	
Preferred name *	<input type="text" value="new text"/> <div style="margin-top: 10px;"> <input type="text" value="New structure template"/> <span style="float: right;">Language</span> </div>
<input type="button" value="&lt;&lt; Back"/> <input type="button" value="Save"/>	

Figure 148 Preferred Name

The Application Class can be expanded from its node, just like in the hierarchy:

Figure 149 Expand Entity

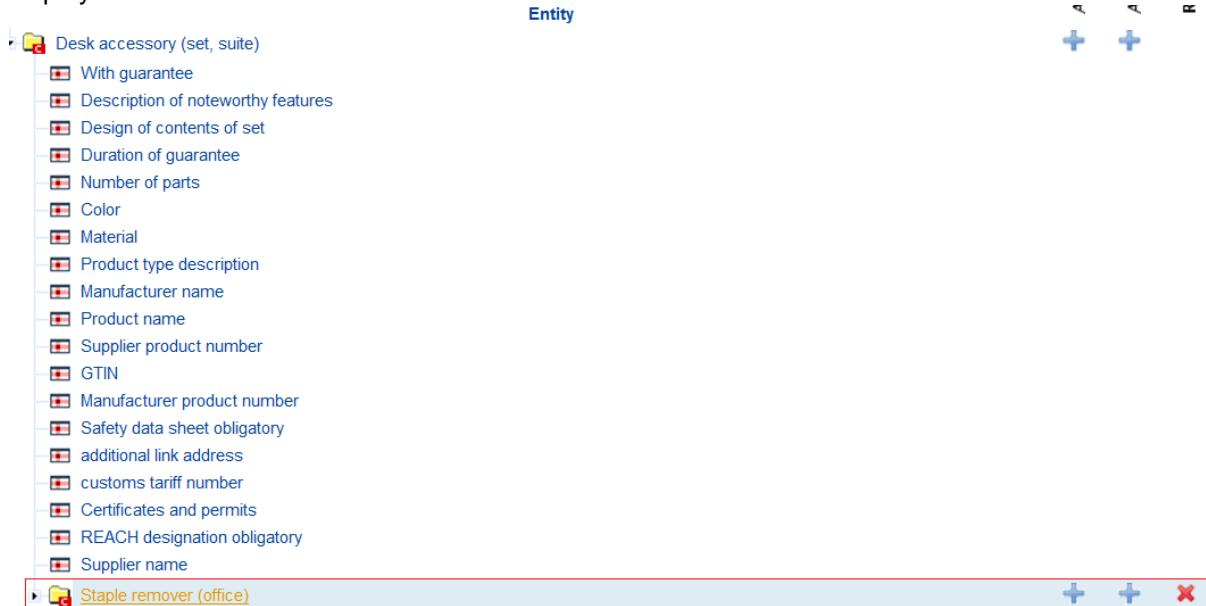
Inner classes and additional properties can be added to the template.

To add an inner class, press  under the column Add inner class and the system opens the hierarchy. As the case may be, expand the nodes and select with the cursor the desired Application Class:

Figure 150 Adding Inner Class



Click **Select**. The system returns to the template details. The Application Class that has been added is displayed within the main AC:

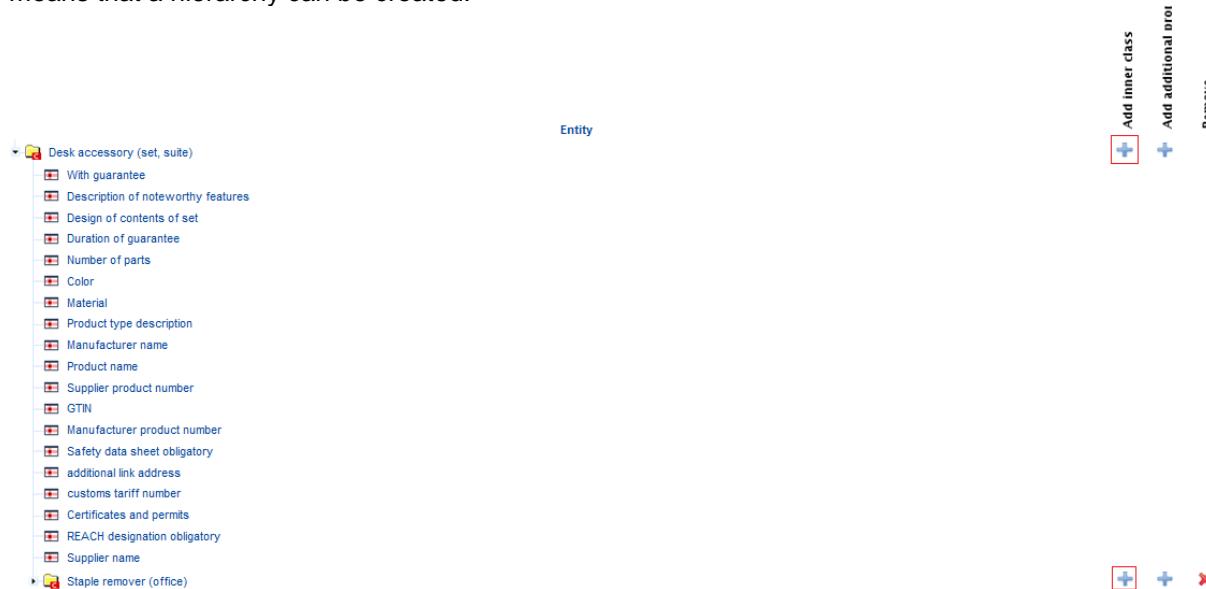


The screenshot shows a software interface for managing application classes. On the left, a tree view displays 'Desk accessory (set, suite)' with various sub-items like 'With guarantee', 'Description of noteworthy features', etc. On the right, there's a panel titled 'Entity' with three buttons: a standard blue plus sign, a blue plus sign with a red border, and a blue minus sign. Below this is a toolbar with a red X, a blue plus sign, and a blue plus sign with a red border.

Figure 151 Inner Class

Button  serves to remove the added element. The main AC cannot be removed.

By using the  button, further inner classes can be added to the main and to the sub-classes as well. This means that a hierarchy can be created:



The screenshot shows the same software interface as Figure 151, but with a different focus. The 'Add Inner class' button (+) is highlighted with a red border. The other buttons ('Add additional info' and 'Remove') are also visible.

Figure 152 Add Further Class

To add further inner classes, click  under the respective column and at the desired AC and the hierarchy opens. Select the AC and press **Select** as described above. The system returns to the template details and displays the newly added inner class:



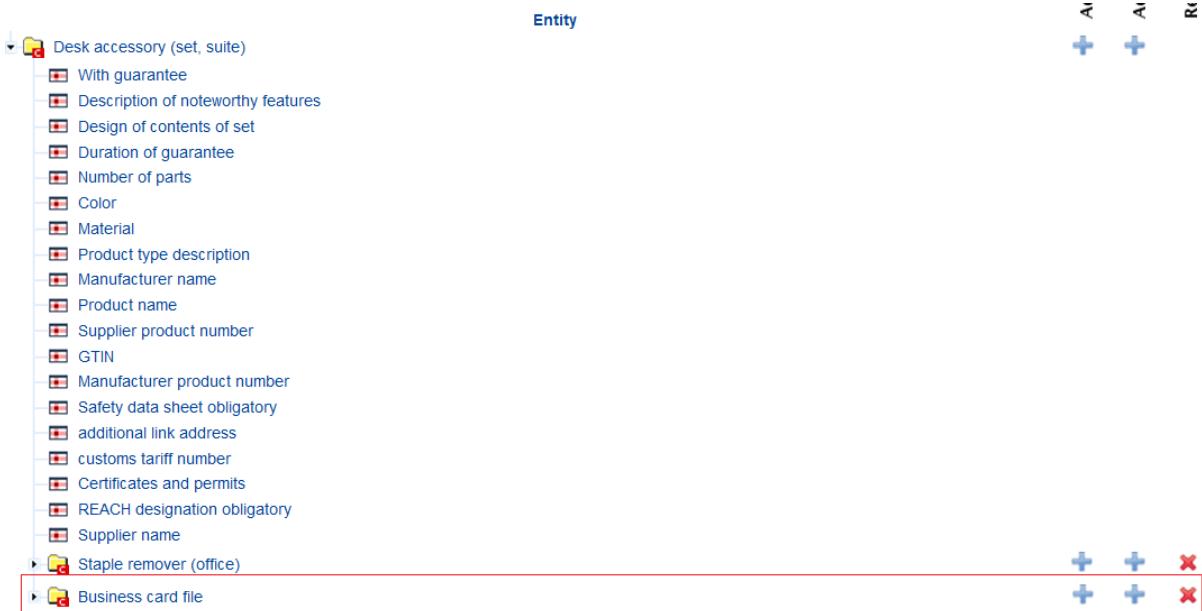


Figure 153 Display of Inner Classes

To add a property, click  under the corresponding column and on the line of the desired AC

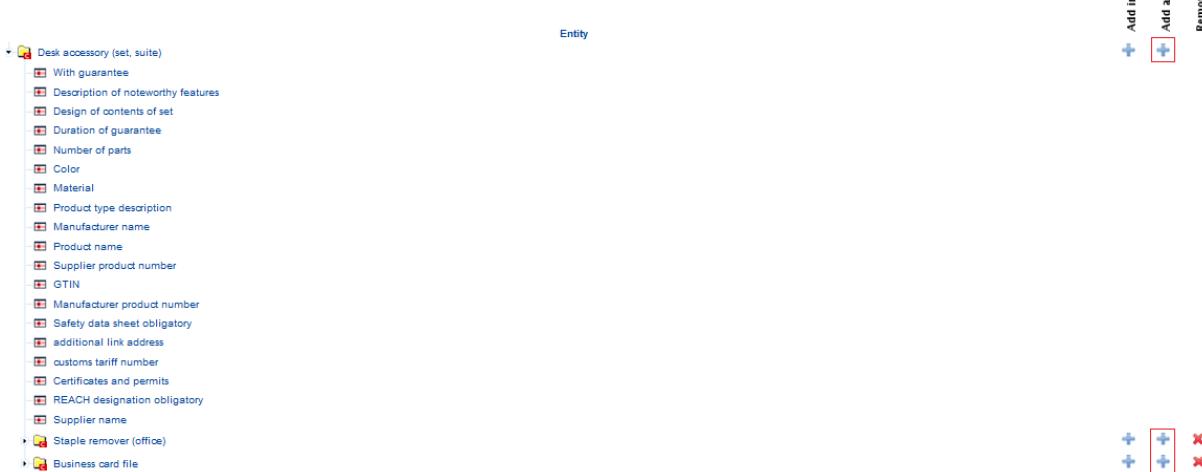
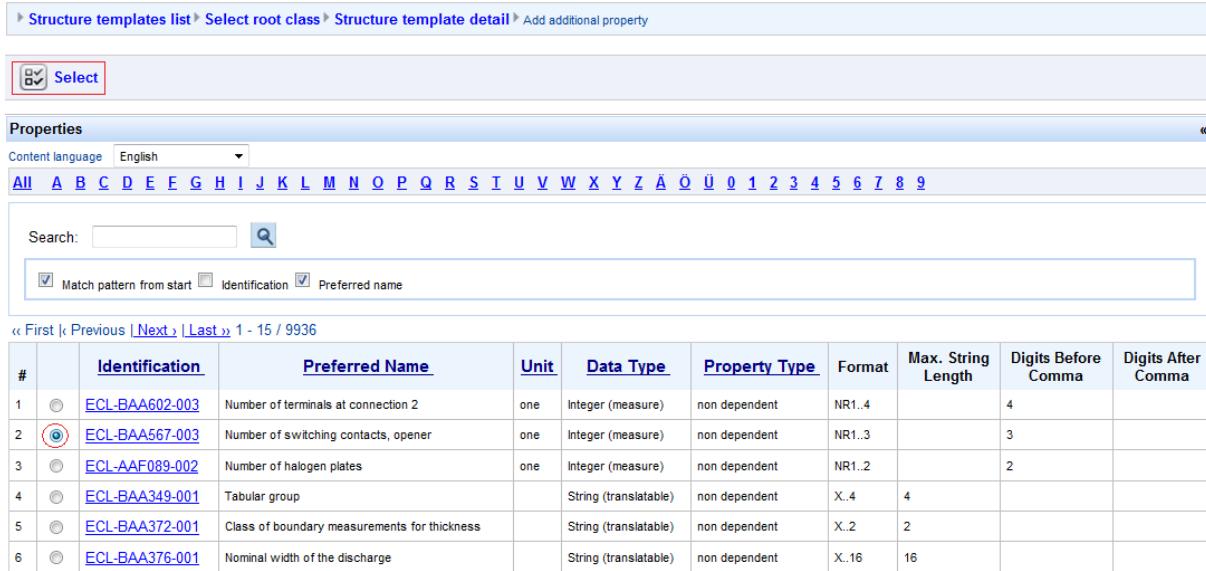


Figure 154 Add Properties

The list of Properties opens:





#	Identification	Preferred Name	Unit	Data Type	Property Type	Format	Max. String Length	Digits Before Comma	Digits After Comma
1	<input type="radio"/> ECL-BAA602-003	Number of terminals at connection 2	one	Integer (measure)	non dependent	NR1..4		4	
2	<input checked="" type="radio"/> ECL-BAA567-003	Number of switching contacts, opener	one	Integer (measure)	non dependent	NR1..3		3	
3	<input type="radio"/> ECL-AAF089-002	Number of halogen plates	one	Integer (measure)	non dependent	NR1..2		2	
4	<input type="radio"/> ECL-BAA349-001	Tabular group		String (translatable)	non dependent	X..4	4		
5	<input type="radio"/> ECL-BAA372-001	Class of boundary measurements for thickness		String (translatable)	non dependent	X..2	2		
6	<input type="radio"/> ECL-BAA376-001	Nominal width of the discharge		String (translatable)	non dependent	X..16	16		

Figure 155 List of Properties

Tick the checkbox of the Property and click . The system return to the template details. The added Property lies at the end of the list of existing properties and has a different icon:

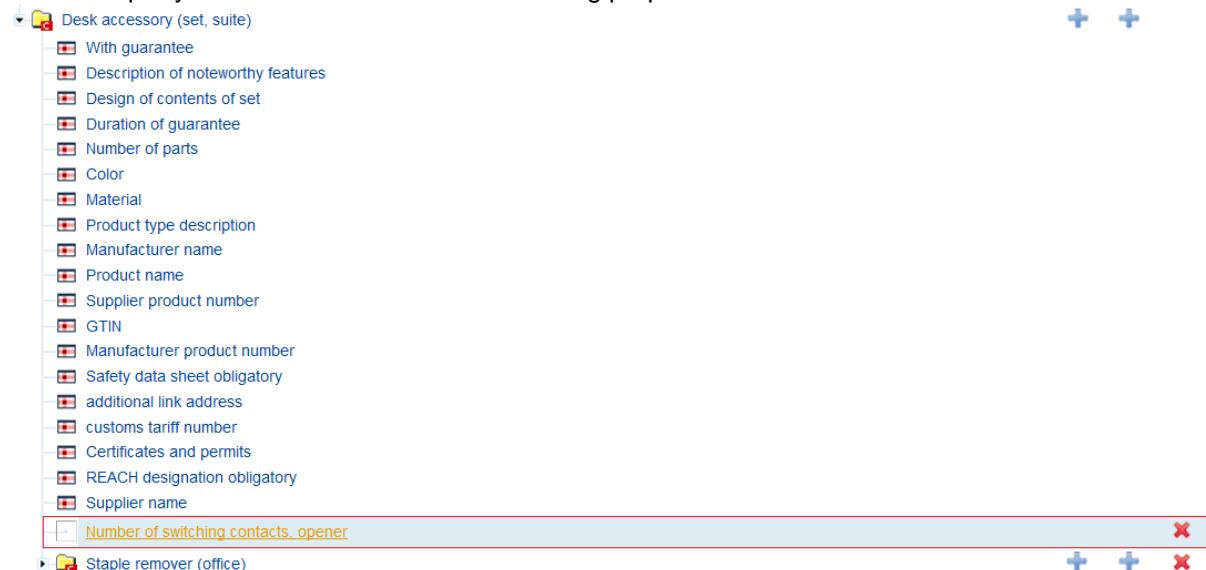


Figure 156 Additional Property

When the editing is finished, the template can be saved:



Structure templates list > Select root class > Structure template detail

Content language English

Identification

Preferred name *	new text	Language
	New structure template	

<< Back **Save**

Entity Add inner class Add additional property Remove

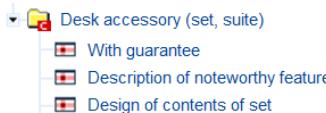


Figure 157 Saving the Template

**Save** Press **Save**. The system displays a confirmation message and returns to the initial view, i.e. the list of templates.

When it is saved, the template receives an Identification:

Structure template created

Structure templates list

Create Update Delete

Structure templates list

Content language English

All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Á Ó Ú Õ 1 2 3 4 5 6 7 8 9

Search:  

Match pattern from start  Identification  Preferred name

« First | Previous | Next » | Last » 1 - 4 / 4

#	Identification	Preferred Name
1	PEPPOL-AAA006-001	test structure template 1
2	PEPPOL-AAA007-001	test structure template 2
3	PEPPOL-AAA008-001	Iac test template
4	PEPPOL-AAA000-001	New structure template

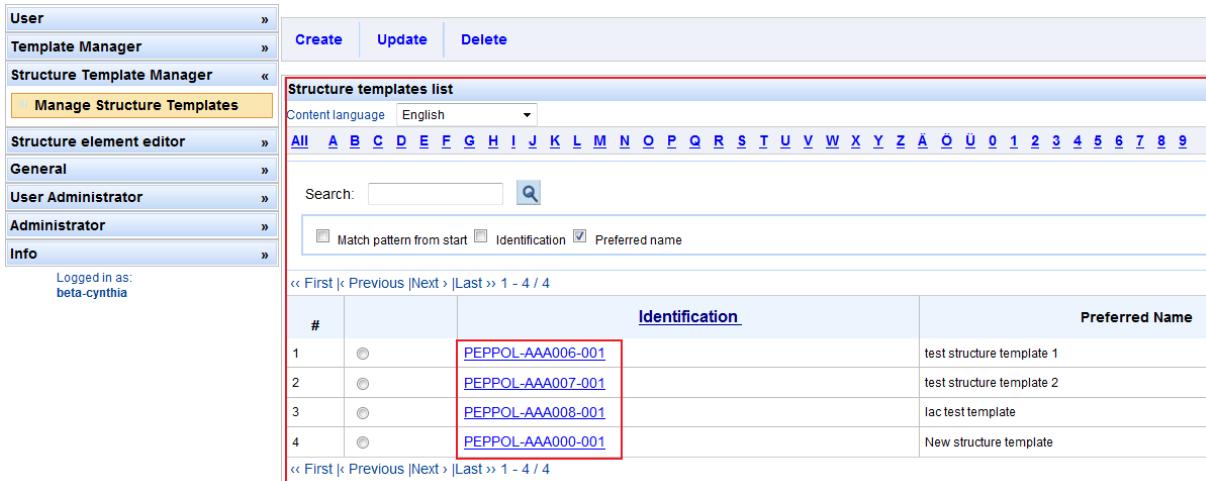
« First | Previous | Next » | Last » 1 - 4 / 4

Figure 158 System Confirmation Message

### 16.7.1 View the Details of a Structure Template

To view the templates details, click on [Manage Structure Template]. The list of templates is displayed:

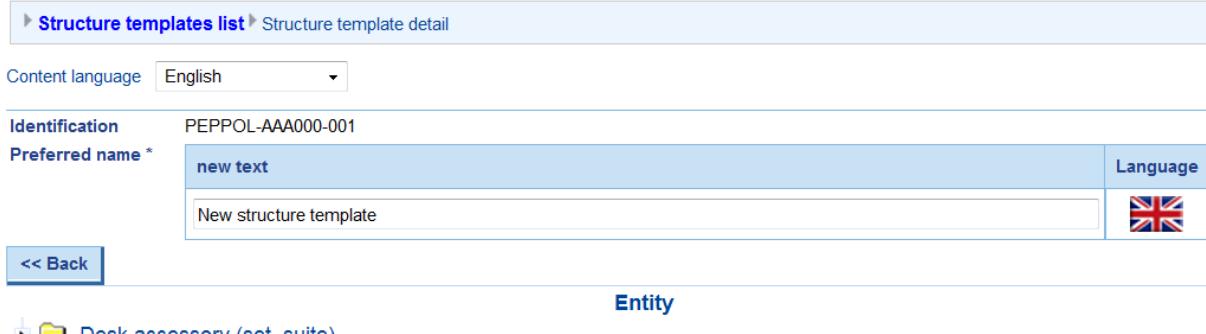




#	Identification	Preferred Name
1	PEPPOL-AAA006-001	test structure template 1
2	PEPPOL-AAA007-001	test structure template 2
3	PEPPOL-AAA008-001	lac test template
4	PEPPOL-AAA000-001	New structure template

Figure 159 List of Templates

Click on the Identification of the desired template and its details are displayed in read-only mode:



Identification	PEPPOL-AAA000-001
Preferred name *	<input type="text" value="new text"/> <input type="text" value="New structure template"/>
Language	

[<< Back](#)

**Entity**

 [Desk accessory \(set, suite\)](#)

Figure 160 Details of Structure Template

Click on the node of the AC to view its contents:





Figure 161 AC Contents

To return to the list of templates, press

## 16.8 Update Structure Template

To change a templates' details, click on [Manage Structure Template]. The list of templates is displayed:

User »

Template Manager »

Structure Template Manager «

**Manage Structure Templates**

Structure element editor »

General »

User Administrator »

Administrator »

Info »

Logged in as:  
beta-cynthia

Create   Update   Delete

**Structure templates list**

Content language English

All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Ä Ö Ü 0 1 2 3 4 5 6 7 8 9

Search:

Match pattern from start  Identification  Preferred name

« First | Previous | Next | Last » 1 - 4 / 4

#	Identification	Preferred Name
1	<a href="#">PEPPOL-AAA006-001</a>	test structure template 1
2	<a href="#">PEPPOL-AAA007-001</a>	test structure template 2
3	<a href="#">PEPPOL-AAA008-001</a>	lac test template
4	<a href="#">PEPPOL-AAA000-001</a>	New structure template

Figure 162 List of Structure Templates



Tick the checkbox of the template to be edited and click **Update**. The template details open in edit mode:

Structure templates list ▶ Structure template detail

Content language	English
Identification	PEPPOL-AAA006-001
Preferred name *	<input checked="" type="checkbox"/> new text <input type="checkbox"/> test structure template 1
	Language 
<input type="button" value="&lt;&lt; Back"/> <input type="button" value="Save"/>	



Figure 163 Structure Template Details

The Preferred name can be edited:

Structure templates list ▶ Structure template detail

Content language	English
Identification	PEPPOL-AAA006-001
Preferred name *	<input checked="" type="checkbox"/> new text <input type="checkbox"/> test structure template 1 - edited
	Language 
<input type="button" value="&lt;&lt; Back"/> <input type="button" value="Save"/>	

Figure 164 Edit Preferred Name

Inner classes and properties can be removed X or/and added +, as the case may be, by using the corresponding buttons

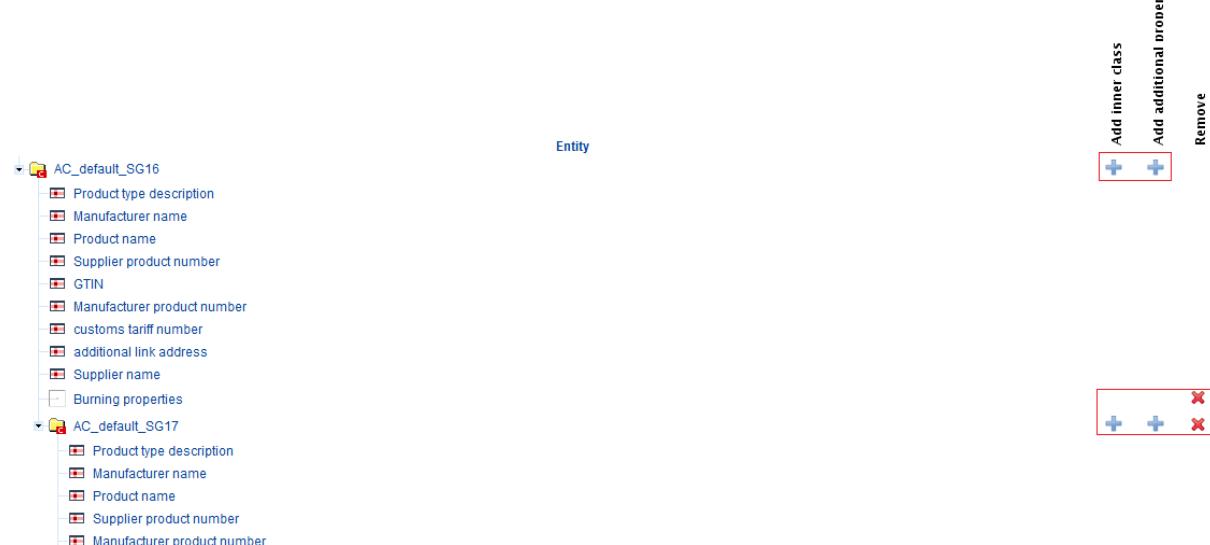
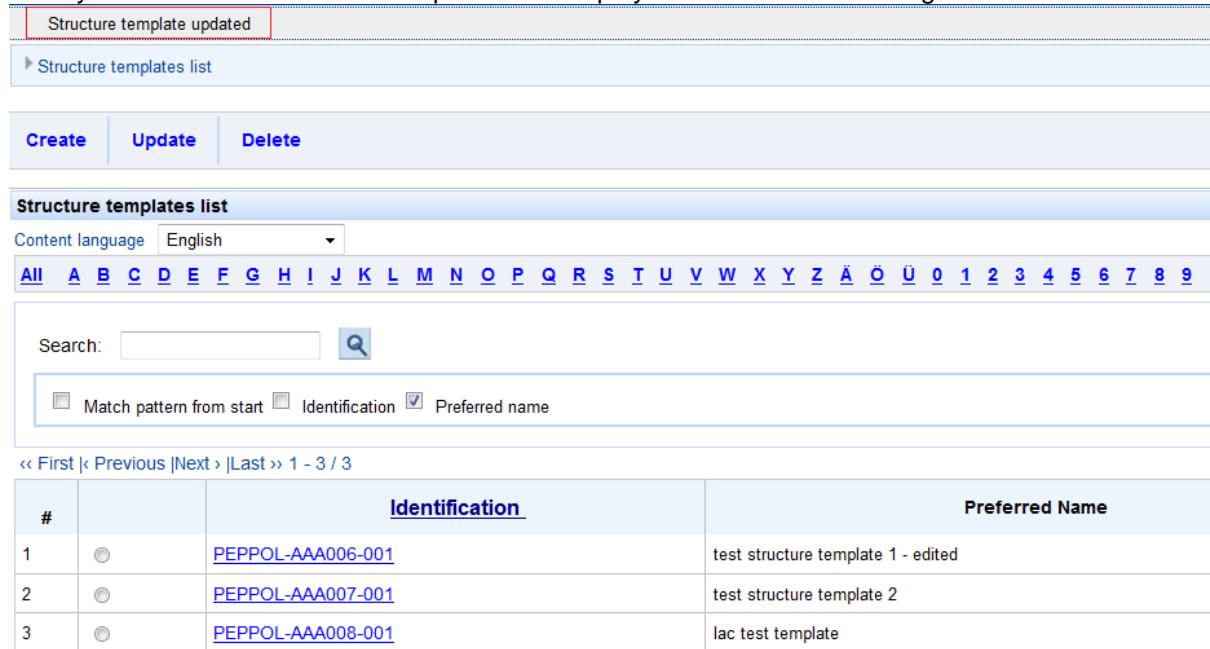


Figure 165 Edit Entity

After finishing, save the changes by pressing **Save**.  
The system returns to the list of templates and displays a confirmation message:



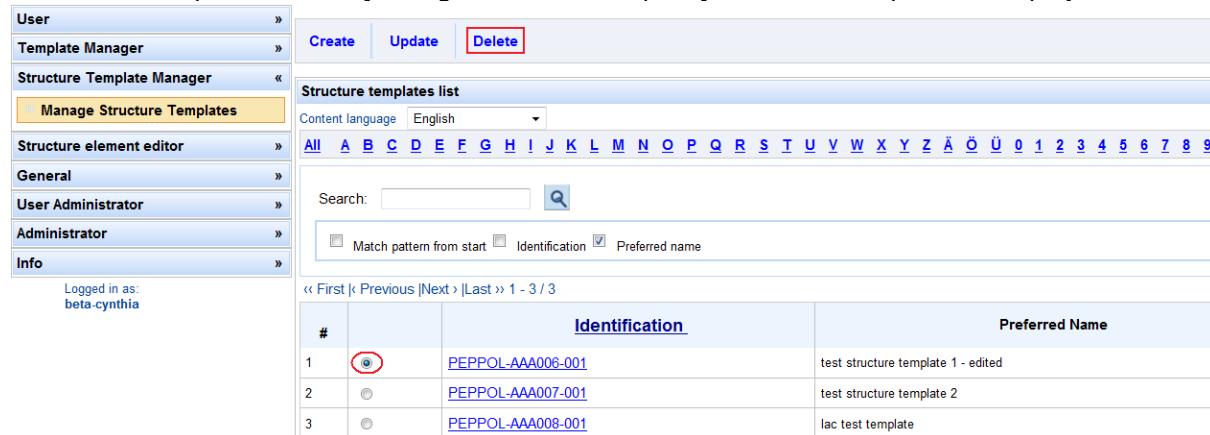
The screenshot shows a software interface for managing structure templates. At the top, a message box says "Structure template updated". Below it is a breadcrumb navigation "Structure templates list". A toolbar at the top has buttons for "Create", "Update", and "Delete". The main area is titled "Structure templates list" with a subtitle "Content language English". It includes a search bar and filters for "Match pattern from start", "Identification", and "Preferred name". A navigation bar below the filters shows pages 1 through 9. The main content is a table with columns "#", "Identification", and "Preferred Name". The table contains three rows:

#	Identification	Preferred Name
1	<a href="#">PEPPOL-AAA006-001</a>	test structure template 1 - edited
2	<a href="#">PEPPOL-AAA007-001</a>	test structure template 2
3	<a href="#">PEPPOL-AAA008-001</a>	lac test template

Figure 166 System Message

## 16.9 Delete Structure Template

To delete a template, click on [Manage Structure Template]. The list of templates is displayed:



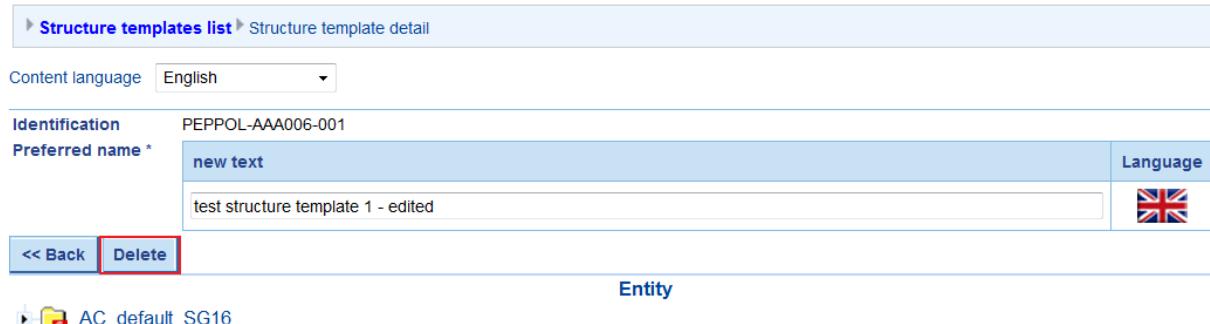
The screenshot shows the "Manage Structure Templates" section of the software. On the left is a sidebar with links like User, Template Manager, Structure Template Manager, etc. The "Manage Structure Templates" link is highlighted. The main area shows a table of structure templates. The first row's checkbox is circled in red. The table has columns "#", "Identification", and "Preferred Name". The data is identical to Figure 166.

#	Identification	Preferred Name
1	<a href="#">PEPPOL-AAA006-001</a>	test structure template 1 - edited
2	<a href="#">PEPPOL-AAA007-001</a>	test structure template 2
3	<a href="#">PEPPOL-AAA008-001</a>	lac test template

Figure 167 List of Structure Templates

Tick the checkbox of the templates to be deleted and click **Delete**. The system opens the template details where the deletion option is available:





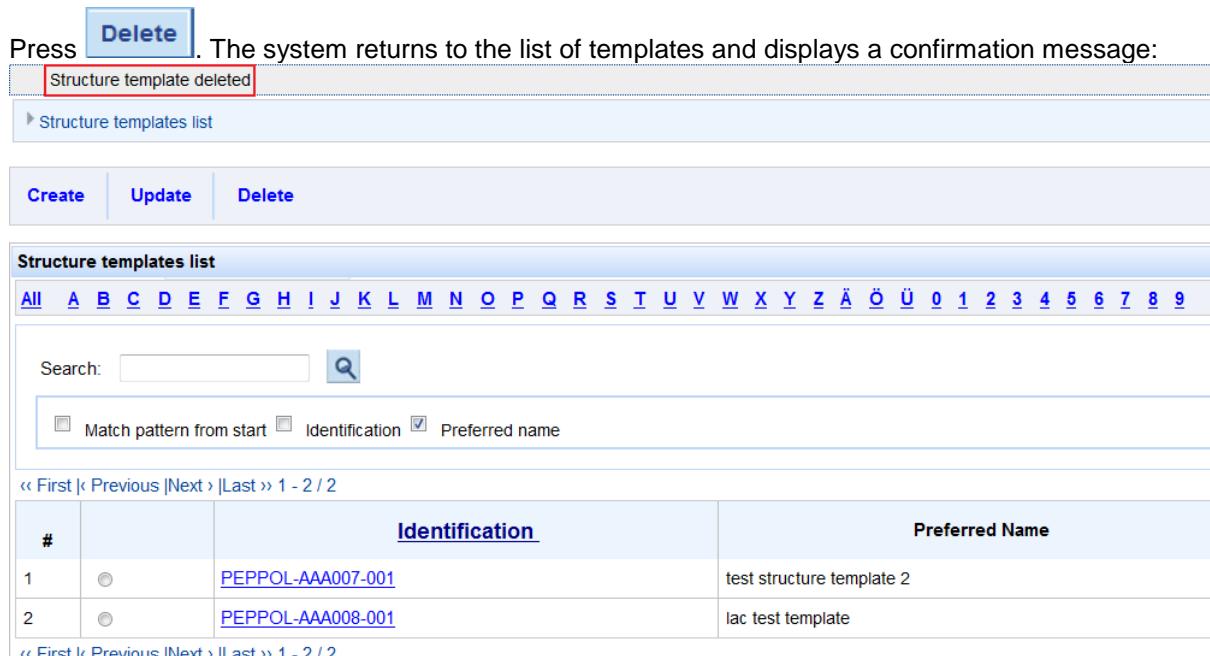
Content language English

Identification	PEPPOL-AAA006-001				
Preferred name *	<table border="1"> <tr> <td>new text</td> <td>Language</td> </tr> <tr> <td>test structure template 1 - edited</td> <td></td> </tr> </table>	new text	Language	test structure template 1 - edited	
new text	Language				
test structure template 1 - edited					

<< Back Delete Entity

AC\_default\_SG16

Figure 168 Delete Structure Template



Press Delete. The system returns to the list of templates and displays a confirmation message:

Structure template deleted

Structure templates list

Create Update Delete

Search:  

Match pattern from start  Identification  Preferred name

« First | Previous | Next » | Last » 1 - 2 / 2

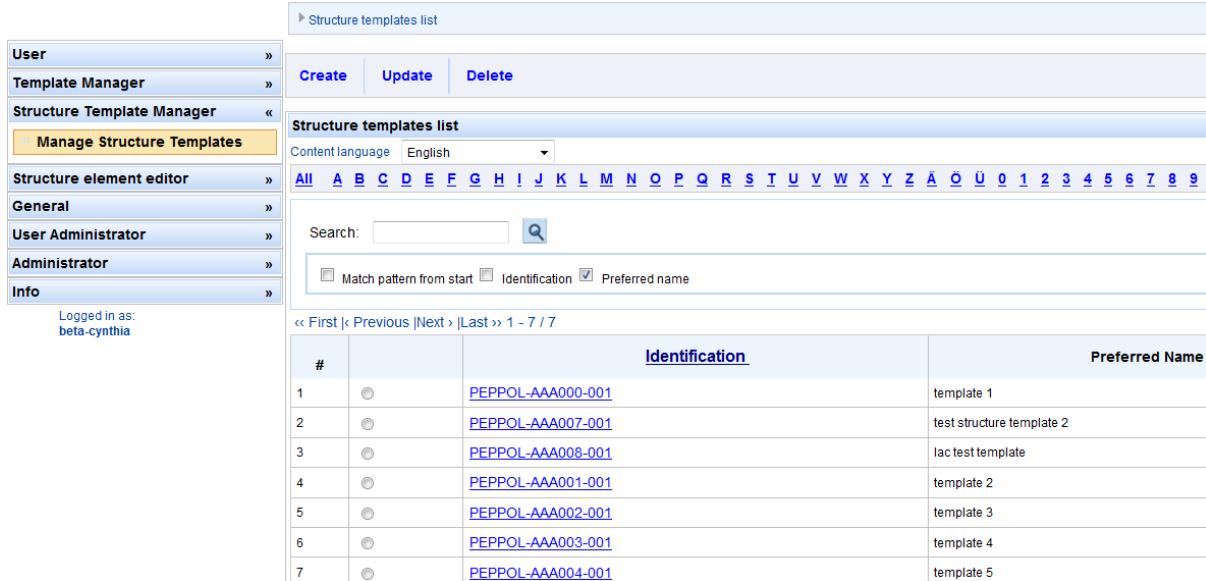
#		Identification	Preferred Name
1	<input type="radio"/>	<a href="#">PEPPOL-AAA007-001</a>	test structure template 2
2	<input type="radio"/>	<a href="#">PEPPOL-AAA008-001</a>	Iac test template

« First | Previous | Next » | Last » 1 - 2 / 2

Figure 169 System Message

## 16.10 Search Structure Template

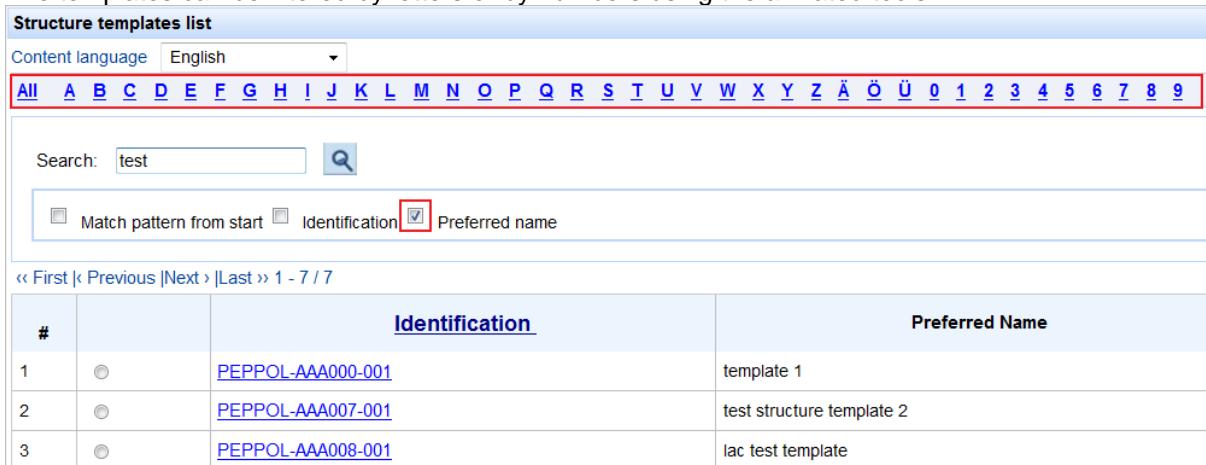
Templates can be searched by their Identification or by their preferred name.  
To search a template, click on [Manage Structure Template]. The list of templates is displayed:



#	Identification	Preferred Name
1	PEPPOL-AAA000-001	template 1
2	PEPPOL-AAA007-001	test structure template 2
3	PEPPOL-AAA008-001	lac test template
4	PEPPOL-AAA001-001	template 2
5	PEPPOL-AAA002-001	template 3
6	PEPPOL-AAA003-001	template 4
7	PEPPOL-AAA004-001	template 5

Figure 170 List of Templates

The templates can be filtered by letters or by numbers using the affiliated tools:



#	Identification	Preferred Name
1	PEPPOL-AAA000-001	template 1
2	PEPPOL-AAA007-001	test structure template 2
3	PEPPOL-AAA008-001	lac test template

Figure 171 List Filtration

If the cursor is placed onto the search field, the system displays a tooltip on search:

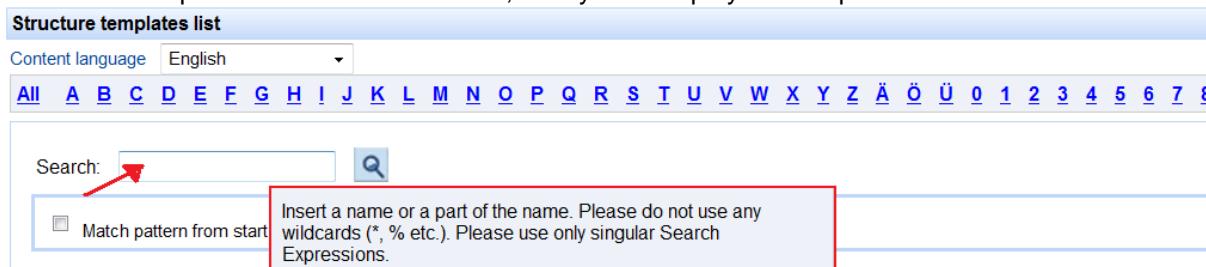


Figure 172 Tooltip

To search by preferred name, enter the search term and tick the affiliated checkbox:





Structure templates list

Content language English

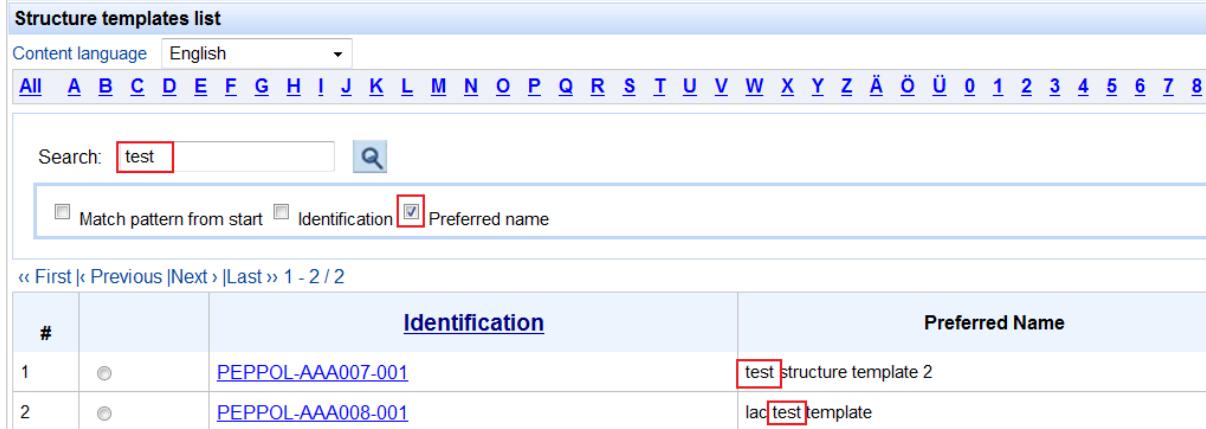
All	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Ä	Ö	Ü	0	1	2	3	4	5	6	7	8	9
-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Search: test

Match pattern from start  Identification  Preferred name

Figure 173 Search by Preferred Name

Click  and the system displays the list of results accordingly:



Structure templates list

Content language English

All	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Ä	Ö	Ü	0	1	2	3	4	5	6	7	8
-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Search: test

Match pattern from start  Identification  Preferred name

« First | Previous | Next > | Last » 1 - 2 / 2

#		Identification	Preferred Name
1	<input type="radio"/>	<a href="#">PEPPOL-AAA007-001</a>	test structure template 2
2	<input type="radio"/>	<a href="#">PEPPOL-AAA008-001</a>	lac test template

Figure 174 List of Results

If you tick the checkbox  Match pattern from start , the only the elements whose names start with the search term will be returned as result:



Structure templates list

Content language English

All	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Ä	Ö	Ü	0	1	2	3	4	5	6	7	8
-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Search: test

Match pattern from start  Identification  Preferred name

« First | Previous | Next > | Last » 1 - 1 / 1

#		Identification	Preferred Name
1	<input type="radio"/>	<a href="#">PEPPOL-AAA007-001</a>	test structure template 2

Figure 175 Match Pattern from Start

To search by Identification, tick the appropriate checkbox and enter the search term:



**Structure templates list**

Content language English

All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Ä Ö Ü 0 1 2 3 4 5

Search:

Match pattern from start  Identification  Preferred name

« First | Previous | Next » | Last » 1 - 7 / 7

#	Identification	Preferred Name
1	<a href="#">PEPPOL-AAA000-001</a>	template 1
2	<a href="#">PEPPOL-AAA007-001</a>	test structure template 2
3	<a href="#">PEPPOL-AAA008-001</a>	lac test template
4	<a href="#">PEPPOL-AAA001-001</a>	template 2
5	<a href="#">PEPPOL-AAA002-001</a>	template 3

Figure 176 Search by ID

Click  and the system displays the list of results accordingly:

**Structure templates list**

Content language English

All A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Ä Ö Ü 0 1 2 3 4 5 6 7

Search:

Match pattern from start  Identification  Preferred name

« First | Previous | Next » | Last » 1 - 1 / 1

#	Identification	Preferred Name
1	<a href="#">PEPPOL-AAA004-001</a>	template 5

Figure 177 Search Results

## 17 PEPPOL PPS Manage Templates

### 17.1 Introduction

### 17.2 Purpose

The purpose of this Storybook is to provide an overview and to guide the user in managing templates.

## 17.3 Scope

In scope of this document:

Out of scope: to propose other functionalities or amendments.

## 17.4 Definitions, Acronyms and Abbreviations

AC - Application Class

PR - Property

## 17.5 References

[https://sp.paradine.at/sites/Teamsite/Solution/PEPPOL-ePPS/N-Docs/PEPPOL-ePPS-Implementation-0001-SRS-Software\\_Requirements\\_Specification\\_v1.0.pdf](https://sp.paradine.at/sites/Teamsite/Solution/PEPPOL-ePPS/N-Docs/PEPPOL-ePPS-Implementation-0001-SRS-Software_Requirements_Specification_v1.0.pdf)



## 18 Manage Templates

**Prerequisites:** In order to handle templates, the authenticated user must have the role Template Editor assigned.

### 18.1 List of Templates - View Template Details

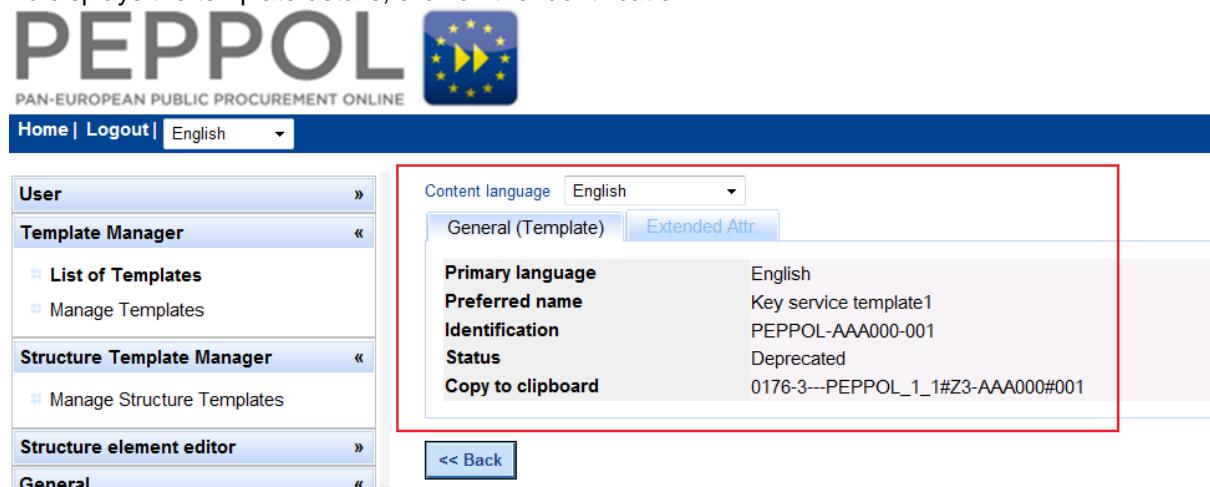
Expand the menu [Template Manager] and click [List of Templates]. The system displays the existing templates:



#	Identification	Preferred Name
1	PEPPOL-AAA000-001	Key service template1
2	PEPPOL-AAA001-001	TEST_AC_default_SC19
3	PEPPOL-AAA002-001	AC_default_SC22 test 2
4	PEPPOL-AAA003-001	AC_default_SC22
5	PEPPOL-AAA004-001	Desk accessory (set, suite) - Template 1 - edited
6	PEPPOL-AAA005-001	Desk accessory (set, suite) - template 2
7	CONSIP-AAA006-001	Copy paper TEST 1
8	PEPPOL-AAA007-001	USB stick TEST
9	CONSIP-AAA008-001	Notebook (unclassified) TEST 1 Consip

Figure 178 List of Templates

To displays the template details, click on the Identification:



Content language	English
General (Template)	Extended Attr.
Primary language	English
Preferred name	Key service template1
Identification	PEPPOL-AAA000-001
Status	Deprecated
Copy to clipboard	0176-3--PEPPOL_1_1#Z3-AAA000#001

Figure 179 Template Details

To return to the list, press .

#### 18.1.1 View Template Details from the Hierarchy

Expand the hierarchy and the AC where the template is located:



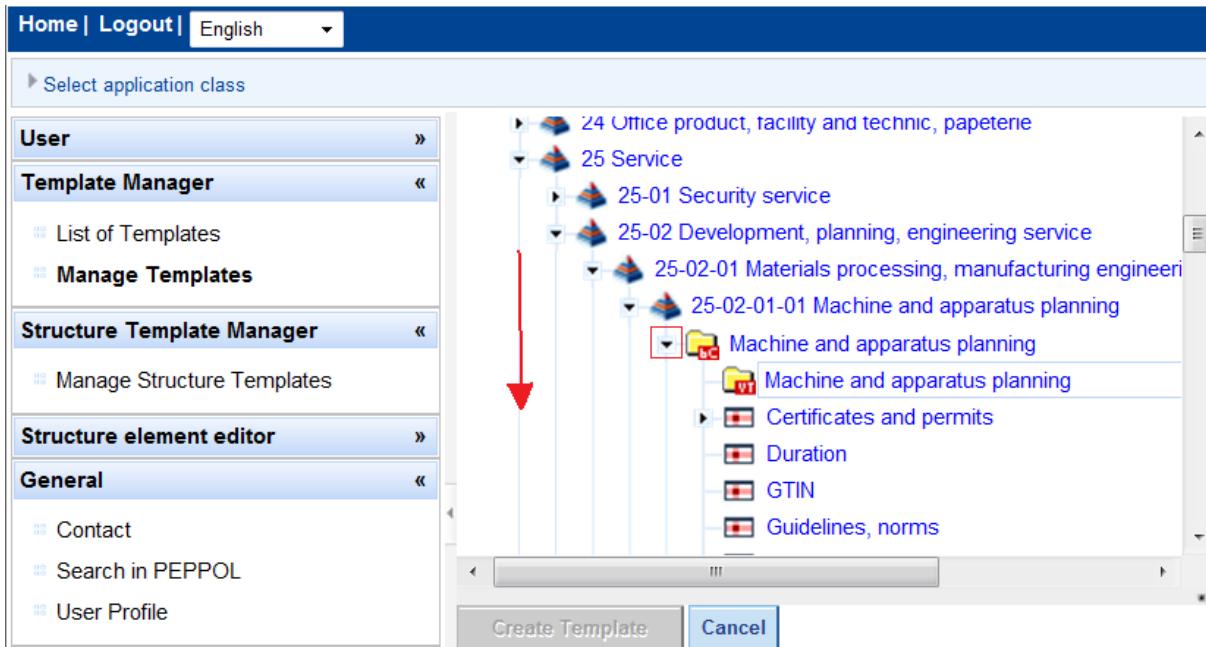


Figure 180 Hierarchy

Select the template with the cursor and the system displays the details on the right-hand panel:

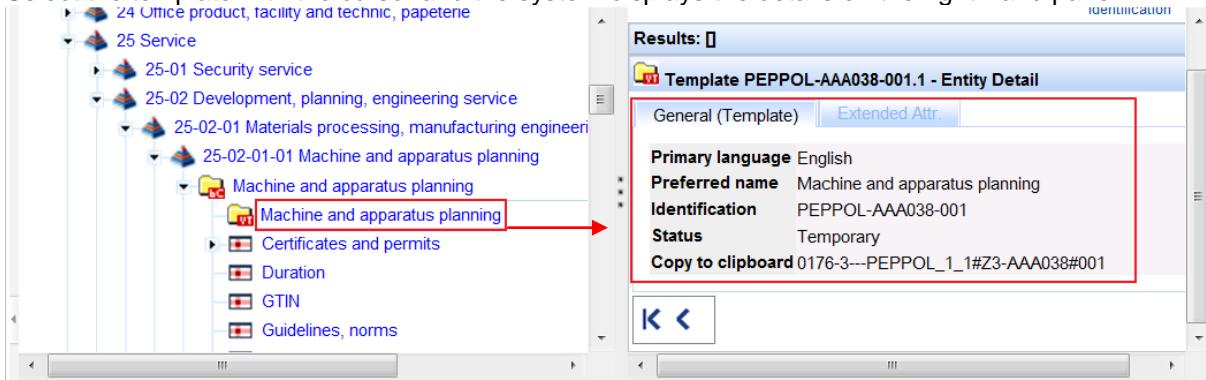


Figure 181 Template Details

## 18.1.2 View Template Details from the Hierarchy via the AC TAB

Expand the hierarchy and select the AC to display its TABs the right-hand panel.

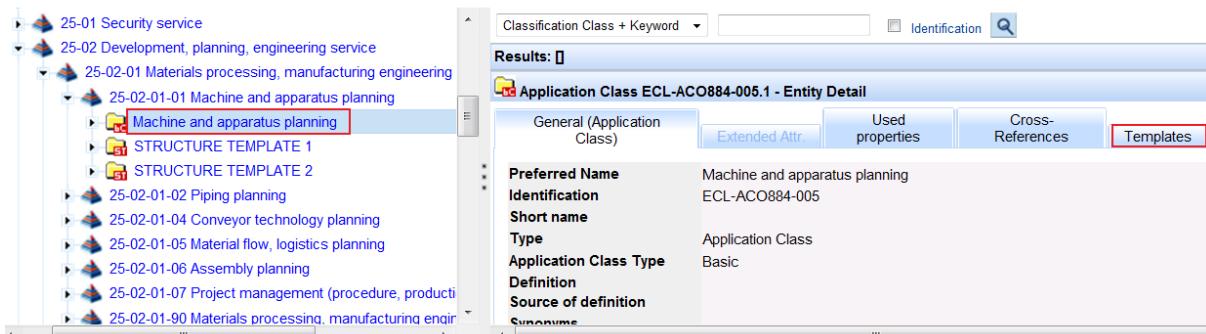
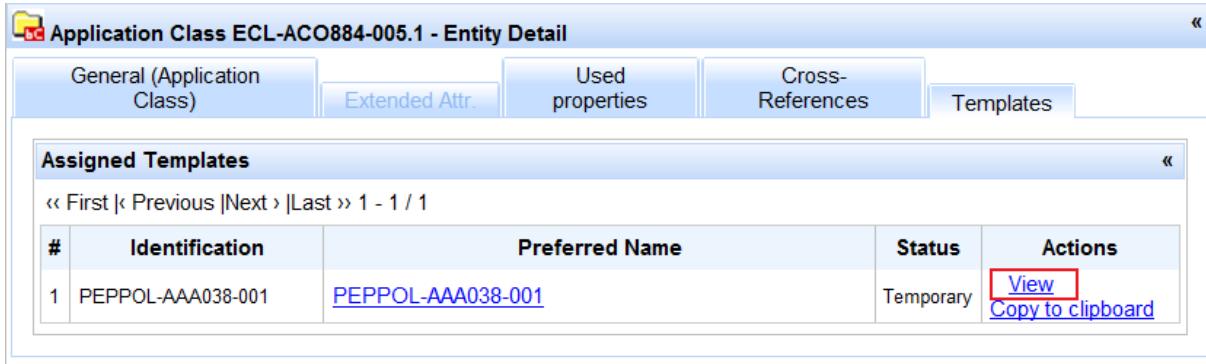


Figure 182 AC TABs

Click on the Templates TAB and the assigned templates are displayed in a list:

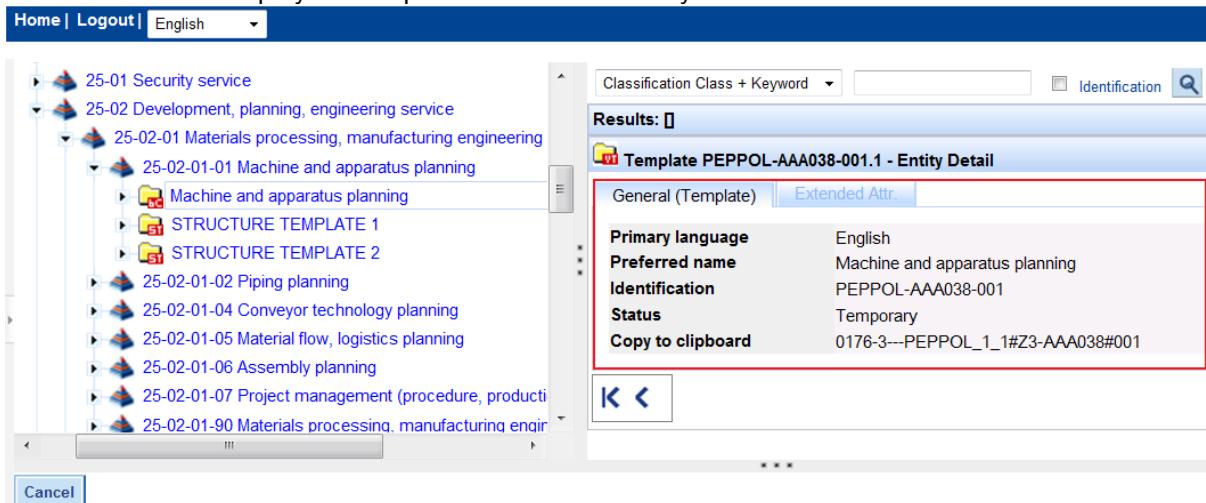




#	Identification	Preferred Name	Status	Actions
1	PEPPOL-AAA038-001	<a href="#">PEPPOL-AAA038-001</a>	Temporary	<a href="#">View</a> <a href="#">Copy to clipboard</a>

Figure 183 Templates TAB

Click on [View](#) to display the template details in read-only mode:

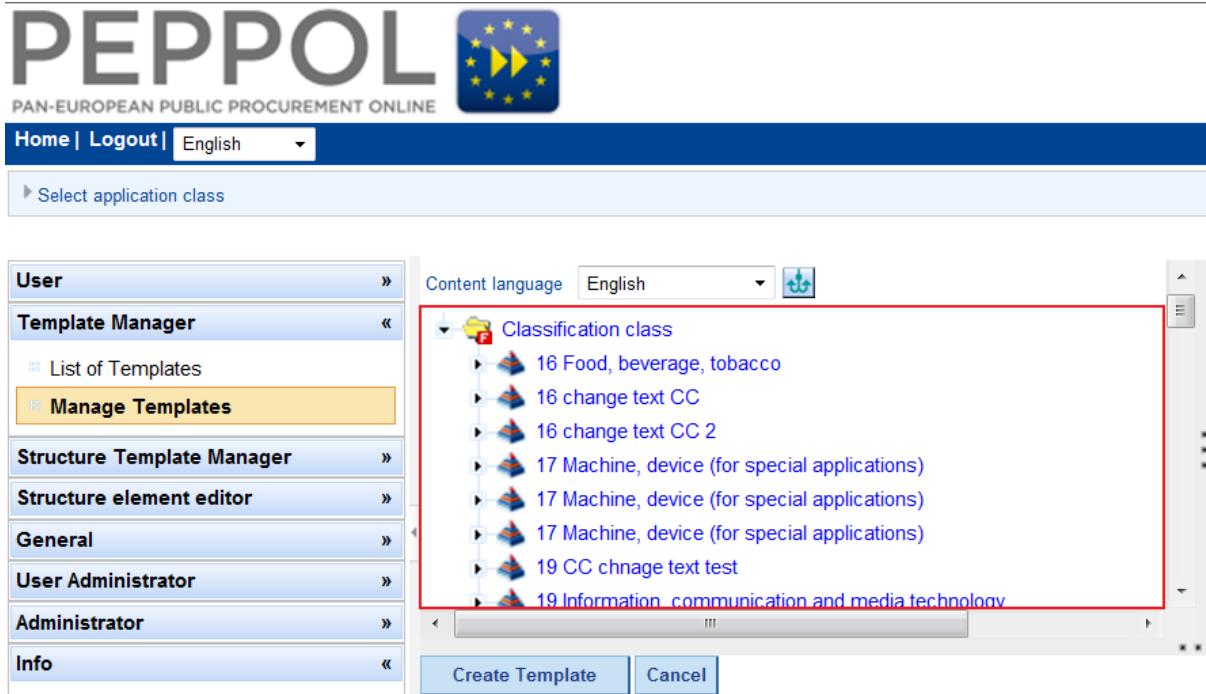


Primary language	English
Preferred name	Machine and apparatus planning
Identification	PEPPOL-AAA038-001
Status	Temporary

Figure 184 View Template Details

## 18.2 Create Template Based on an Application Class

Templates are created on Application Classes and Structure Templates that are selected from the hierarchy. Expand the menu [Template Manager] and click [Manage Templates]. On the screen, the entire hierarchical system displays segments that can be expanded:



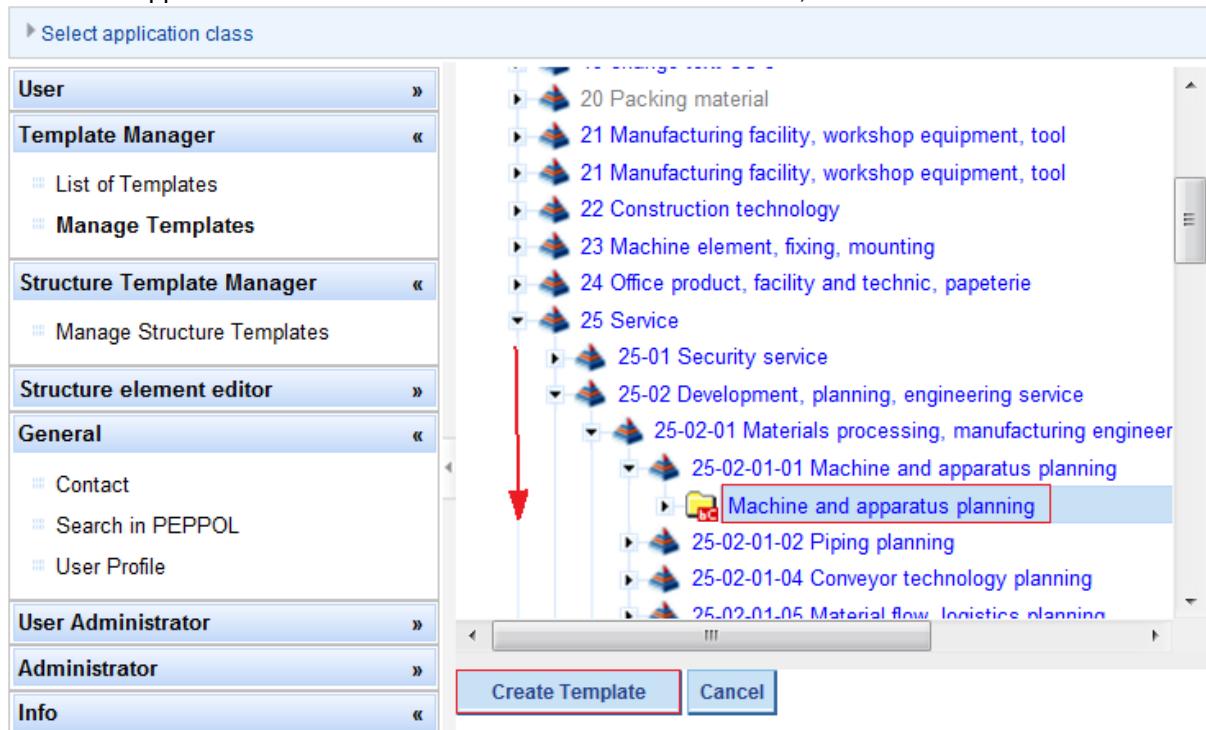
The screenshot shows the PEPPOL Template Manager interface. On the left is a sidebar with navigation links: User, Template Manager (with List of Templates and Manage Templates), Structure Template Manager, Structure element editor, General, User Administrator, Administrator, and Info. The main area displays a tree view of application classes under 'Classification class'. A red box highlights the 'Classification class' node, which has several child nodes listed below it. At the bottom of the main window are 'Create Template' and 'Cancel' buttons.

- Classification class
  - 16 Food, beverage, tobacco
  - 16 change text CC
  - 16 change text CC 2
  - 17 Machine, device (for special applications)
  - 17 Machine, device (for special applications)
  - 17 Machine, device (for special applications)
  - 19 CC chnage text test
  - 19 Information communication and media technology

Figure 185 Hierarchy

In this view, expand the hierarchy up to the node of an Application Class.

Select the Application Class. Once the AC is clicked with the cursor, the **Create Template** button is activated.



This screenshot shows the same interface as Figure 185, but with a specific node selected. A red arrow points from the 'Classification class' node in Figure 185 down to the 'Machine and apparatus planning' node in this screenshot. This node is highlighted with a red box. The 'Create Template' button at the bottom is also highlighted with a red box, indicating it is active due to the selection.

Figure 186 Selection of AC

Click **Create Template** to open the template creation dialog:



Content language English

Identification																																																																																																											
Preferred name		new text																																																																																																									
		Machine and apparatus planning																																																																																																									
Strict	<input type="checkbox"/>																																																																																																										
Flat	<input type="checkbox"/>																																																																																																										
Partitions of groups		<a href="#">Manage partitions...</a>																																																																																																									
<a href="#">Save</a>		<a href="#">Cancel</a>																																																																																																									
<a href="#">&lt;&lt; Back</a>																																																																																																											
<table border="1"> <thead> <tr> <th colspan="2">Entity</th> <th colspan="2">Template functions</th> </tr> <tr> <th>Groups</th> <th>Manage values</th> <th>Override names</th> <th>Order</th> </tr> <tr> <th>Required</th> <th></th> <th></th> <th>Hidden</th> </tr> </thead> <tbody> <tr><td><input type="checkbox"/> Product type description</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Manufacturer name</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Product name</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> additional link address</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Supplier product number</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Manufacturer product number</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Quality level</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Offerer/supplier ID</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Personnel qualification</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Supplier name</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Object of provision</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Material for rendition of service</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Short description of performance</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Performance documentation</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Offerer/supplier</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Duration</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Rotation</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Information and communication technology</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> GTIN</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Reaction time</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Guidelines, norms</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Unit of power/performance</td><td></td><td></td><td></td></tr> <tr><td><input type="checkbox"/> Certificates and permits</td><td></td><td></td><td></td></tr> </tbody> </table>				Entity		Template functions		Groups	Manage values	Override names	Order	Required			Hidden	<input type="checkbox"/> Product type description				<input type="checkbox"/> Manufacturer name				<input type="checkbox"/> Product name				<input type="checkbox"/> additional link address				<input type="checkbox"/> Supplier product number				<input type="checkbox"/> Manufacturer product number				<input type="checkbox"/> Quality level				<input type="checkbox"/> Offerer/supplier ID				<input type="checkbox"/> Personnel qualification				<input type="checkbox"/> Supplier name				<input type="checkbox"/> Object of provision				<input type="checkbox"/> Material for rendition of service				<input type="checkbox"/> Short description of performance				<input type="checkbox"/> Performance documentation				<input type="checkbox"/> Offerer/supplier				<input type="checkbox"/> Duration				<input type="checkbox"/> Rotation				<input type="checkbox"/> Information and communication technology				<input type="checkbox"/> GTIN				<input type="checkbox"/> Reaction time				<input type="checkbox"/> Guidelines, norms				<input type="checkbox"/> Unit of power/performance				<input type="checkbox"/> Certificates and permits			
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<input type="checkbox"/> Quality level																																																																																																											
<input type="checkbox"/> Offerer/supplier ID																																																																																																											
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<input type="checkbox"/> Performance documentation																																																																																																											
<input type="checkbox"/> Offerer/supplier																																																																																																											
<input type="checkbox"/> Duration																																																																																																											
<input type="checkbox"/> Rotation																																																																																																											
<input type="checkbox"/> Information and communication technology																																																																																																											
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<input type="checkbox"/> Reaction time																																																																																																											
<input type="checkbox"/> Guidelines, norms																																																																																																											
<input type="checkbox"/> Unit of power/performance																																																																																																											
<input type="checkbox"/> Certificates and permits																																																																																																											

Figure 187 Create Template Dialog

As per default, the name of the selected Application Class is prefilled in the new text field. This field is editable:

<b>Identification</b>	
<b>Preferred name</b>	<input type="text" value="new text"/> 
	<input type="text" value="Machine and apparatus planning"/> 
<b>Strict</b>	<input type="checkbox"/>
<b>Flat</b>	<input type="checkbox"/>
<b>Partitions of groups</b>	<a href="#">Manage partitions...</a>
<b>Save</b>	<b>Cancel</b>
<a href="#">&lt;&lt; Back</a>	

Figure 188 Preferred Name

Edit the template functions, as the case may be:



Entity	Template functions					
	Groups	Manage values	Overwrite names	Order	Required	Hidden
Product type description						
Manufacturer name						
Product name						
additional link address						
Supplier product number						
Manufacturer product number						
Quality level						
Offerer/supplier ID						
Personnel qualification						

Figure 189 Edit Template Functions

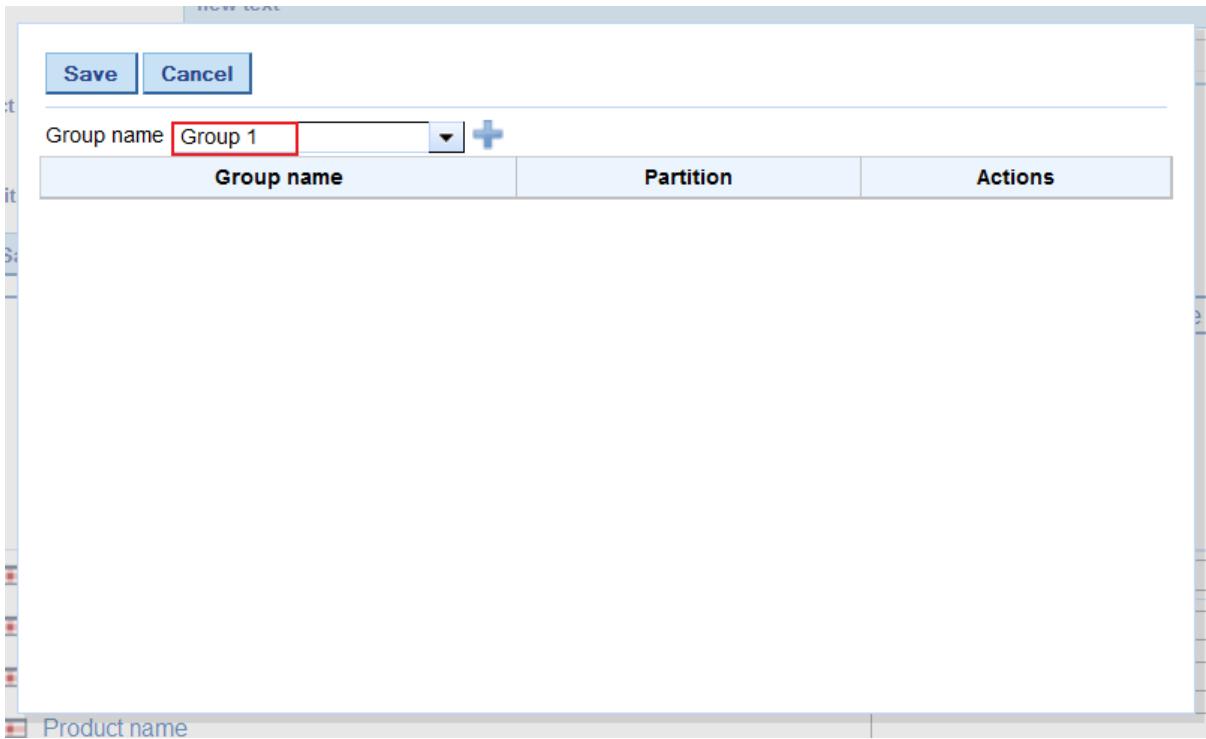
To edit groups, press :

Entity	Template functions					
	Groups	Manage values	Overwrite names	Order	Required	Hidden
Product type description						
Manufacturer name						
additional link address						
Product name						
Supplier product number						

Figure 190 Edit Groups

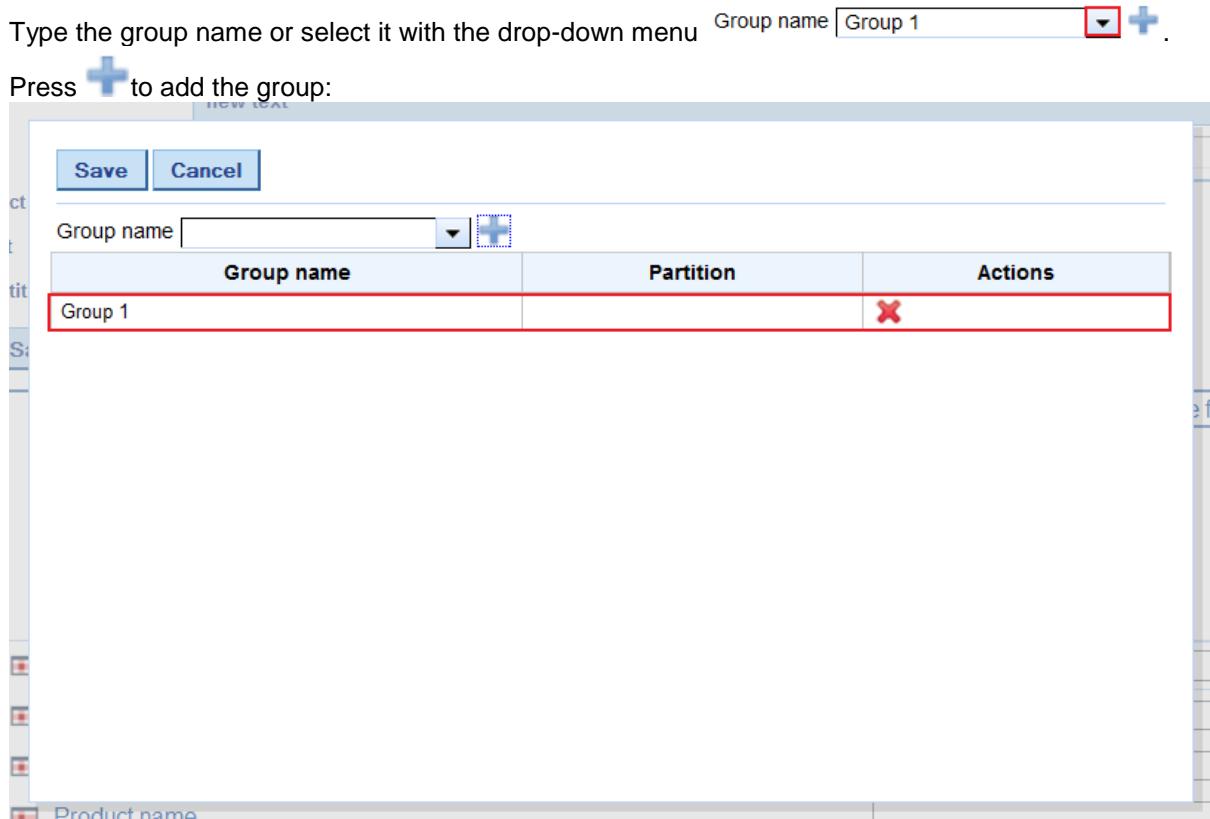
The system opens a pop-up editor:





The screenshot shows a software interface for managing groups. At the top, there are 'Save' and 'Cancel' buttons. Below them is a dropdown menu labeled 'Group name' containing 'Group 1', which is highlighted with a red border. To the right of the dropdown is a blue plus sign button. The main area is a table with three columns: 'Group name', 'Partition', and 'Actions'. A single row is visible in the table, corresponding to the selected group. At the bottom of the interface is a 'Product name' field.

Figure 191 Edit Groups



The screenshot shows a software interface for listing groups. At the top, it says 'Type the group name or select it with the drop-down menu' and 'Press + to add the group:'. Below this is a dropdown menu labeled 'Group name' with 'Group 1' selected. To the right of the dropdown is a blue plus sign button. The main area is a table with three columns: 'Group name', 'Partition', and 'Actions'. A single row is visible in the table, corresponding to the selected group. The 'Actions' column contains a red 'X' icon. At the bottom of the interface is a 'Product name' field.

Figure 192 List of Groups

The group is added to the list. To remove it, press .

To save the changes and return to the template creation dialog, press **Save**. The group is displayed:

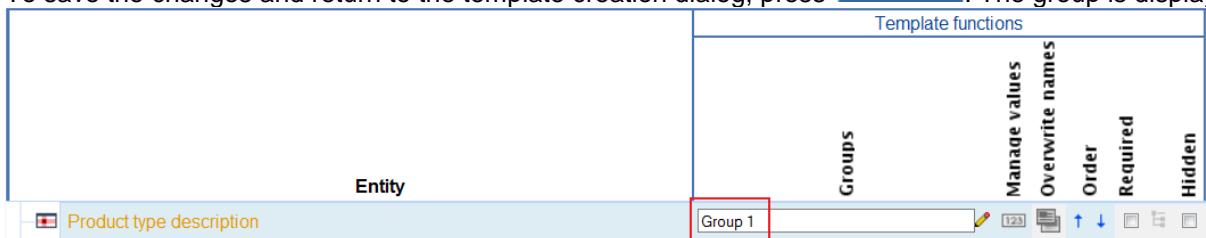


Figure 193 Added Group

The values of the properties to be managed:



Figure 194 Manage Values

The edit dialog is popped up:

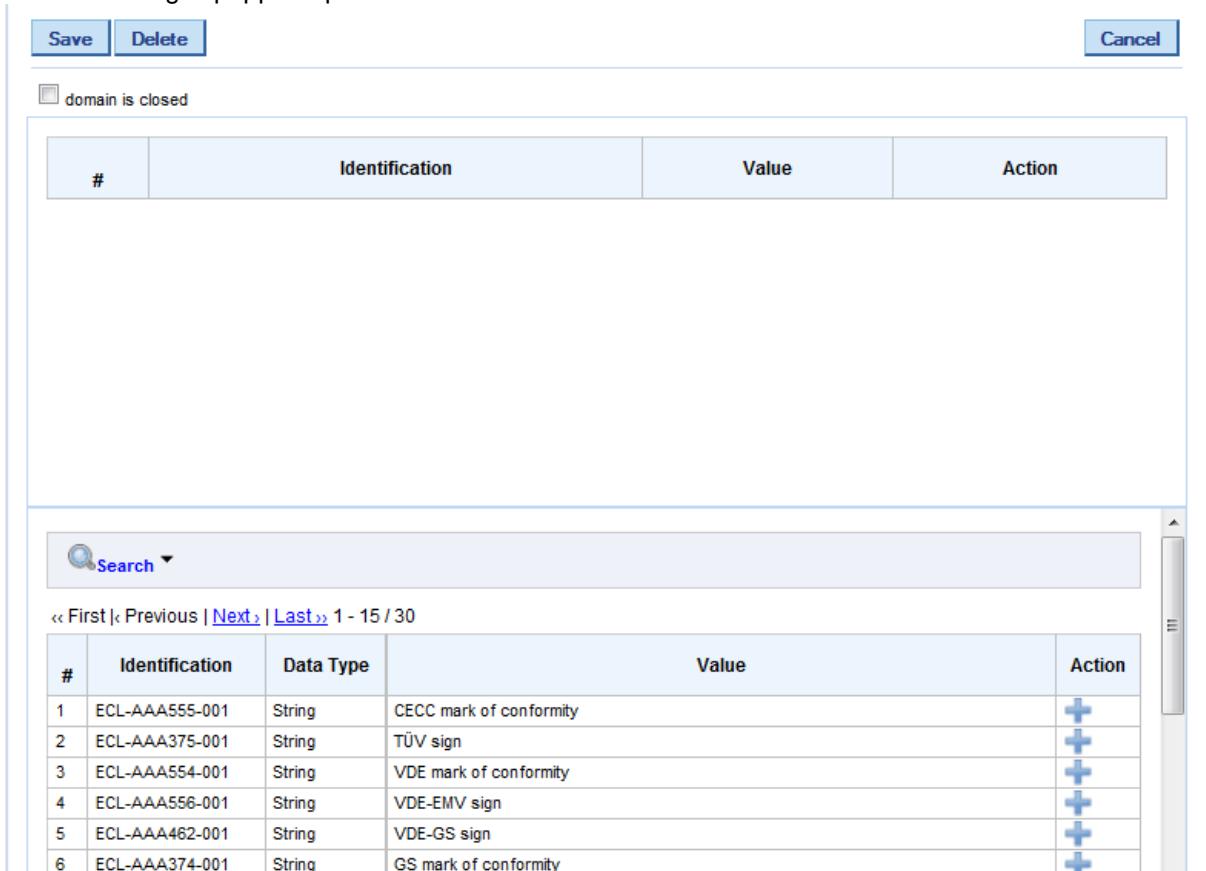
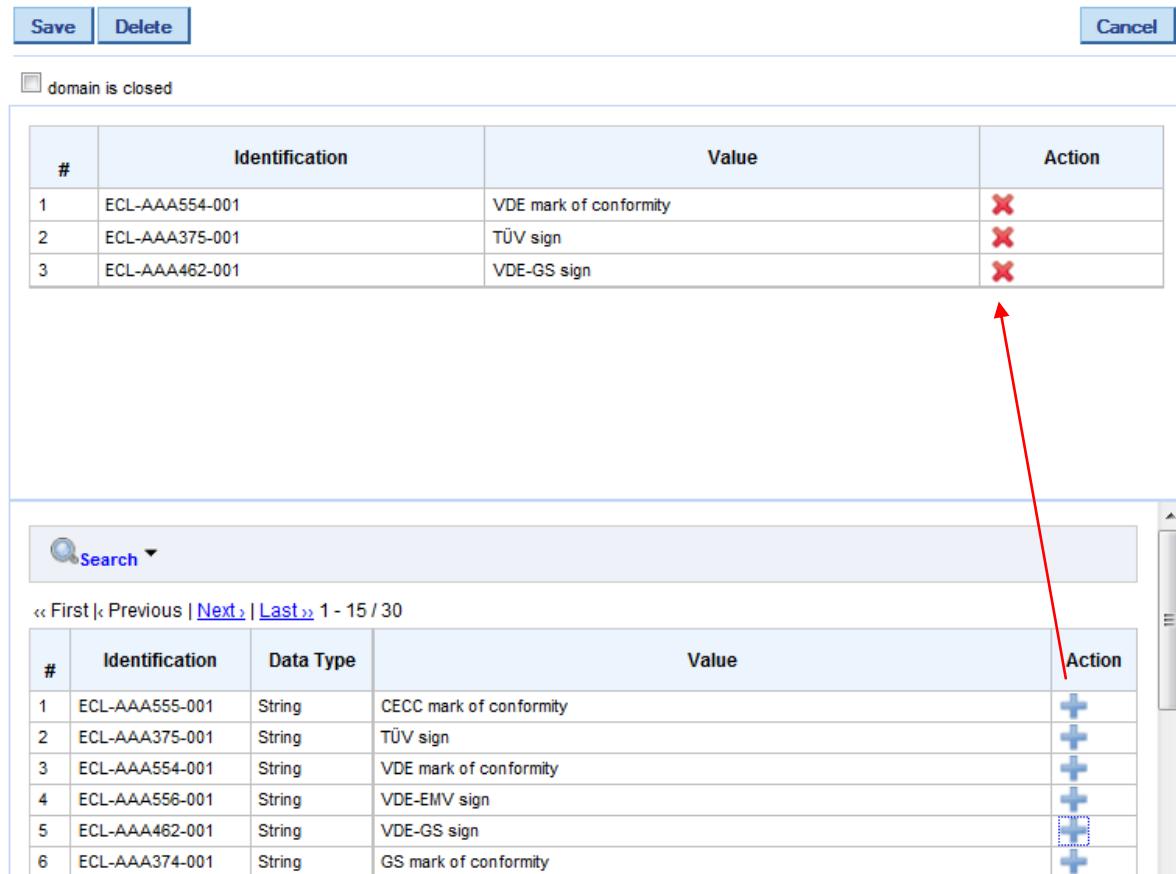


Figure 195 Management Dialog

The list of values is displayed. To add the values to be restricted, click . The respective values are shifted in the upper list:





#	Identification	Value	Action
1	ECL-AAA554-001	VDE mark of conformity	X
2	ECL-AAA375-001	TÜV sign	X
3	ECL-AAA462-001	VDE-GS sign	X

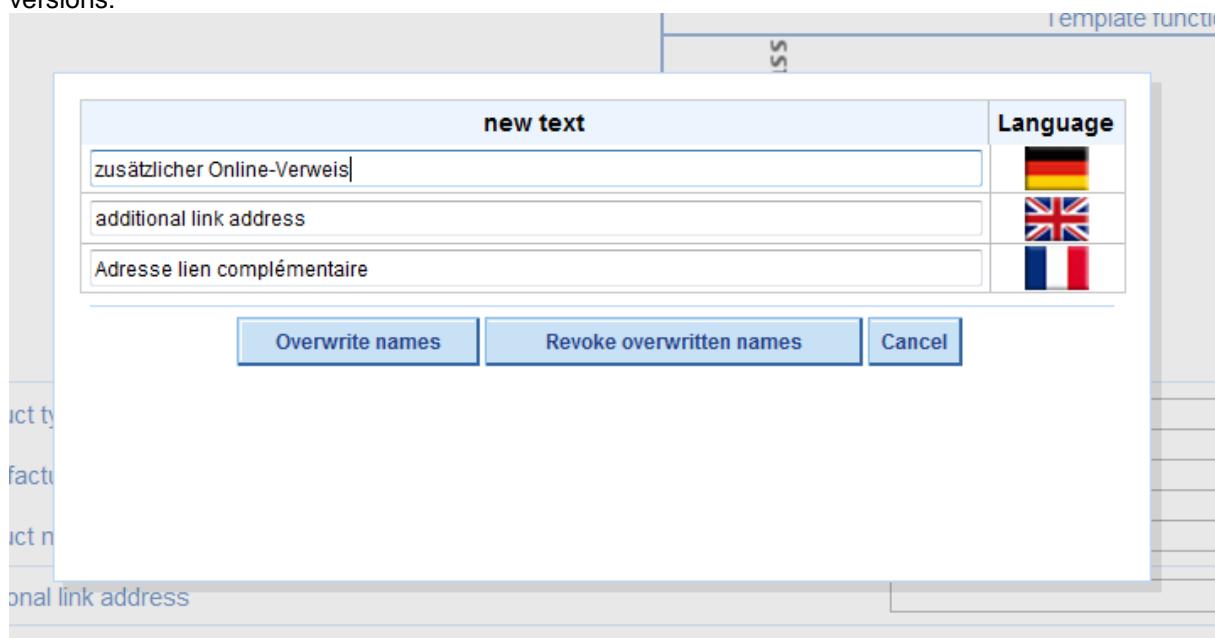
  

#	Identification	Data Type	Value	Action
1	ECL-AAA555-001	String	CECC mark of conformity	+
2	ECL-AAA375-001	String	TÜV sign	+
3	ECL-AAA554-001	String	VDE mark of conformity	+
4	ECL-AAA556-001	String	VDE-EMV sign	+
5	ECL-AAA462-001	String	VDE-GS sign	+
6	ECL-AAA374-001	String	GS mark of conformity	+

Figure 196 Select Values

To save the changes, press . The system returns to the create template dialog.

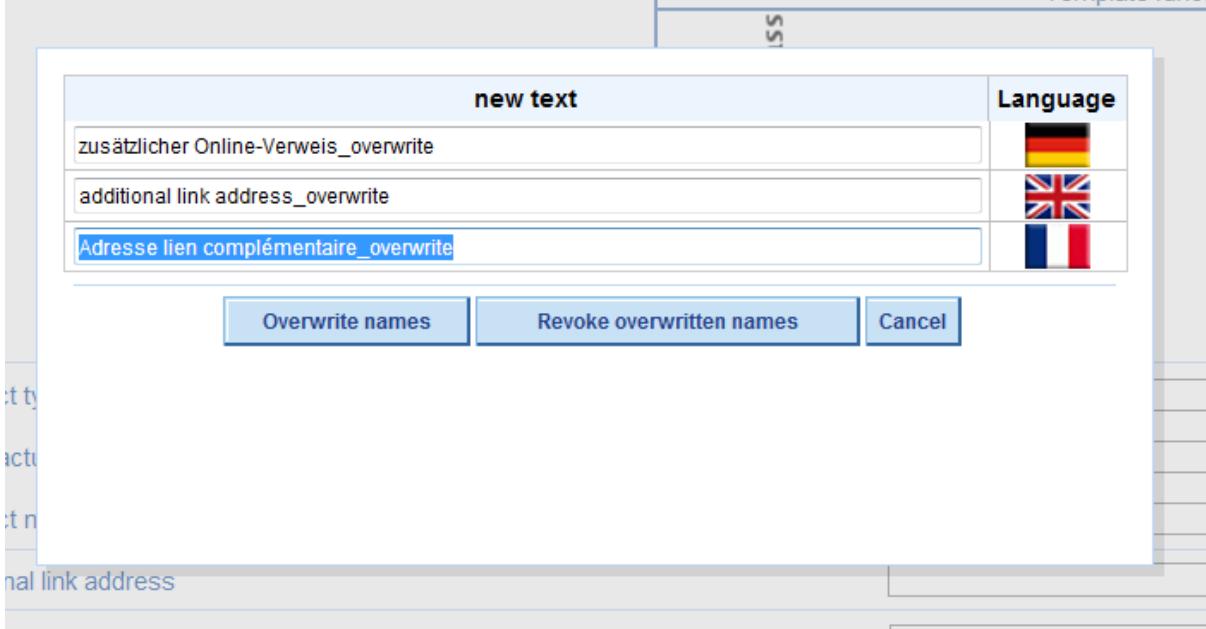
The names of the properties can be overwritten by pressing **Overwrite names** . The system pops up an input dialog displaying the name of the respective entity in editable mode and in the available language versions:



new text	Language
zusätzlicher Online-Verweis	  
additional link address	
Adresse lien complémentaire	

Figure 197 Overwrite Names

New text can be entered:



new text	Language
zusätzlicher Online-Verweis_overwrite	
additional link address_overwrite	
Adresse lien complémentaire_overwrite	

**Overwrite names**    **Revoke overwritten names**    **Cancel**

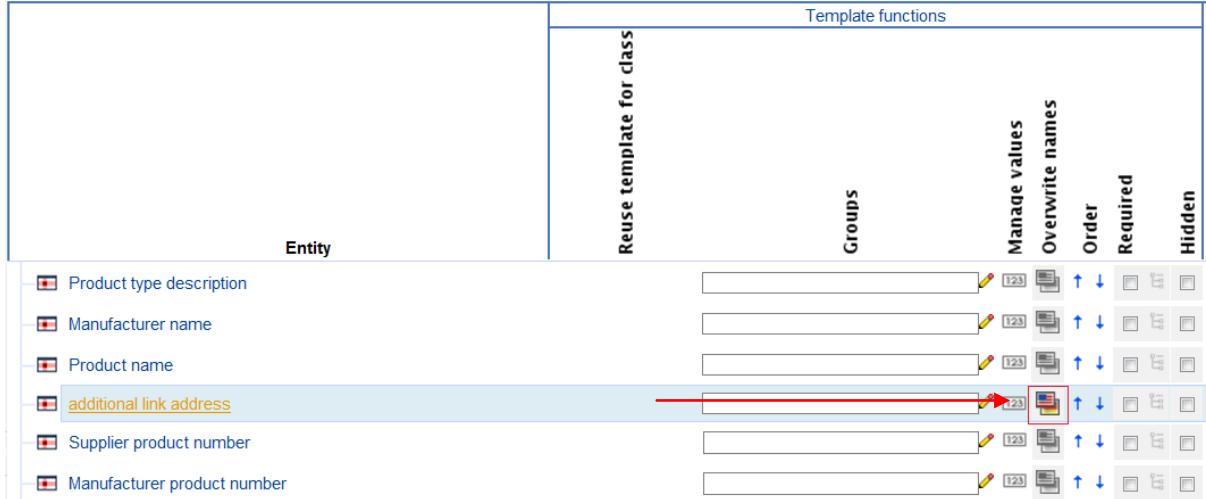
Figure 198 Input Field

**Revoke overwritten names**

To reset the text to the initial state, press **Revoke overwritten names**. Thus, the names remain unchanged.

**Overwrite names**

To save the changes, press **Overwrite names**. The system returns to the template creation dialog. The icon of the entity that underwent changes is displayed in colour, so as to indicate that names have been overridden:



Entity	Reuse template for class	Groups	Manage values
Product type description			
Manufacturer name			
Product name			
additional link address			Overwritten names
Supplier product number			
Manufacturer product number			

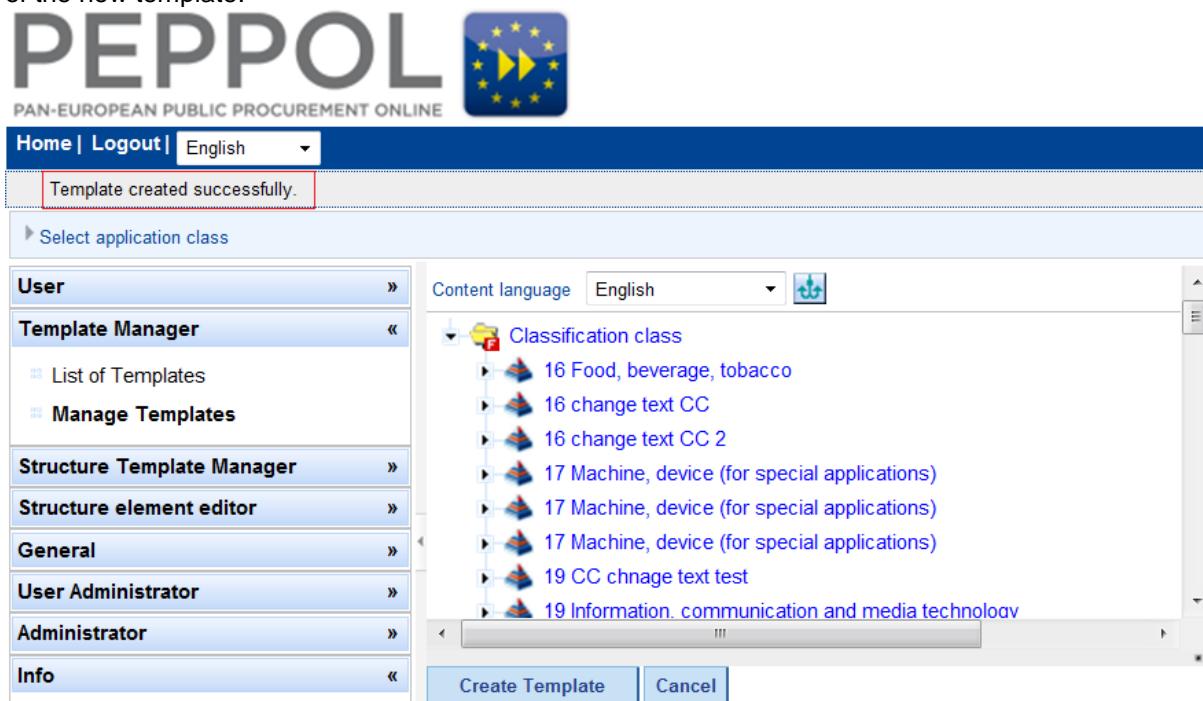
Figure 199 Icon

Entities can be shifted up and down in the list by using the affiliated **slide-up ↑** and **slide-down ↓** arrows:

Entity		Template functions						
		Groups	Manage values	Overwrite names	Order	Required	Hidden	
<input type="checkbox"/> Product type description								
<input type="checkbox"/> Manufacturer name								
<input type="checkbox"/> additional link address								
<input type="checkbox"/> Product name								
<input type="checkbox"/> Supplier product number								

Figure 200 Sliding the Order

To save the new Template click on . The system returns to the hierarchy and confirms that the creation of the new template:



The screenshot shows the PEPPOL Template Manager interface. At the top, there is a navigation bar with links for Home, Logout, and English language selection. A success message 'Template created successfully.' is displayed in a red-bordered box. Below this, a sidebar lists various management options like User, Template Manager, Structure Template Manager, etc. The main content area shows a hierarchical tree of application classes under 'Classification class'. The tree includes nodes such as '16 Food, beverage, tobacco', '16 change text CC', '16 change text CC 2', '17 Machine, device (for special applications)', '17 Machine, device (for special applications)', '17 Machine, device (for special applications)', '19 CC change text test', and '19 Information, communication and media technology'. At the bottom of the main window are 'Create Template' and 'Cancel' buttons.

Figure 201 System Message

## 18.3 Create Template Based on a Structural Template

Templates are created on Application Classes and Structure Templates that are selected from the hierarchy. Expand the menu [Template Manager] and click [Manage Templates]. On the screen, the entire hierarchical system displays segments that can be expanded:



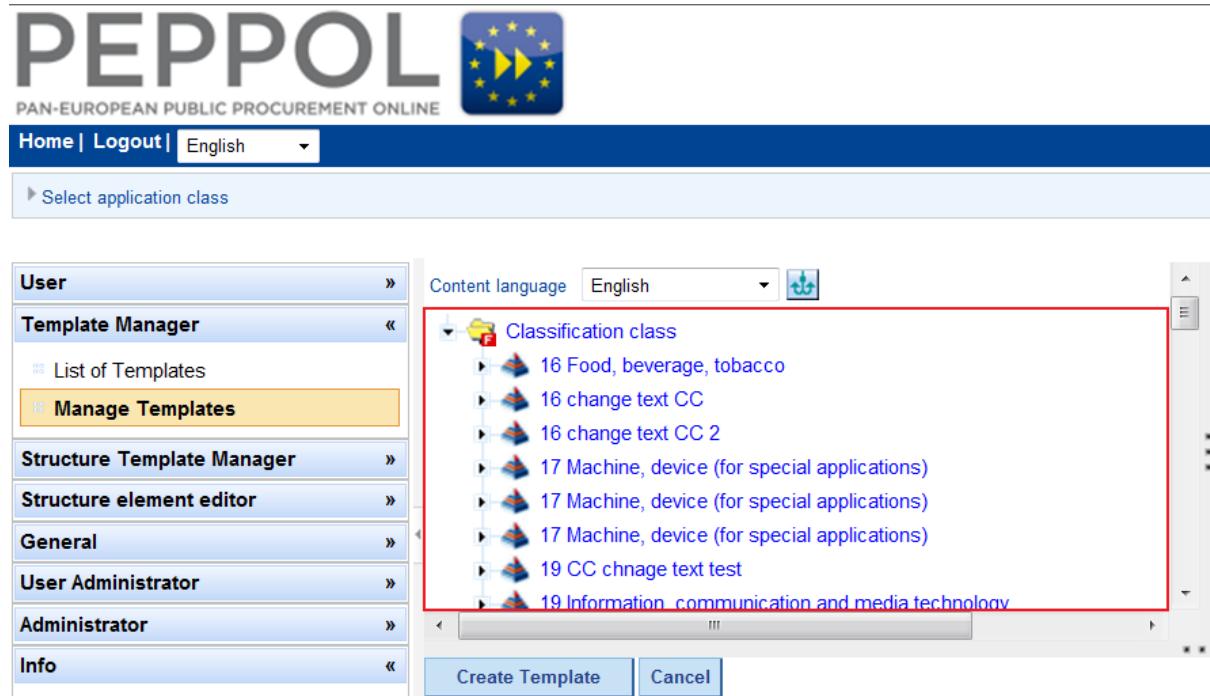


Figure 202 Hierarchy

In this view, expand the hierarchy and select the Structure Template.

Select the structure template. Once the template is clicked with the cursor, the **Create Template** button is activated.

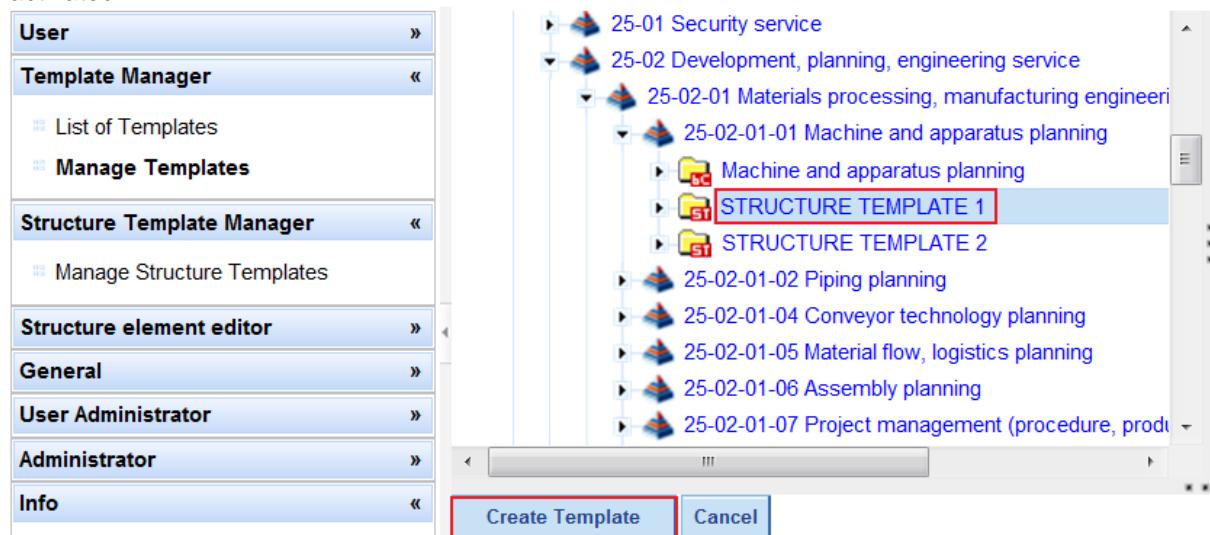


Figure 203 Select Template

Click **Create Template** to open the template creation dialog.  
In order to edit the template details, please follow the steps as described in Chapter 2.1.

## 18.4 Edit Templates

**Step 1:** Expand the menu [Template Manager] and click [Manage Templates]. On the screen, the entire hierarchical system displays segments that can be expanded:



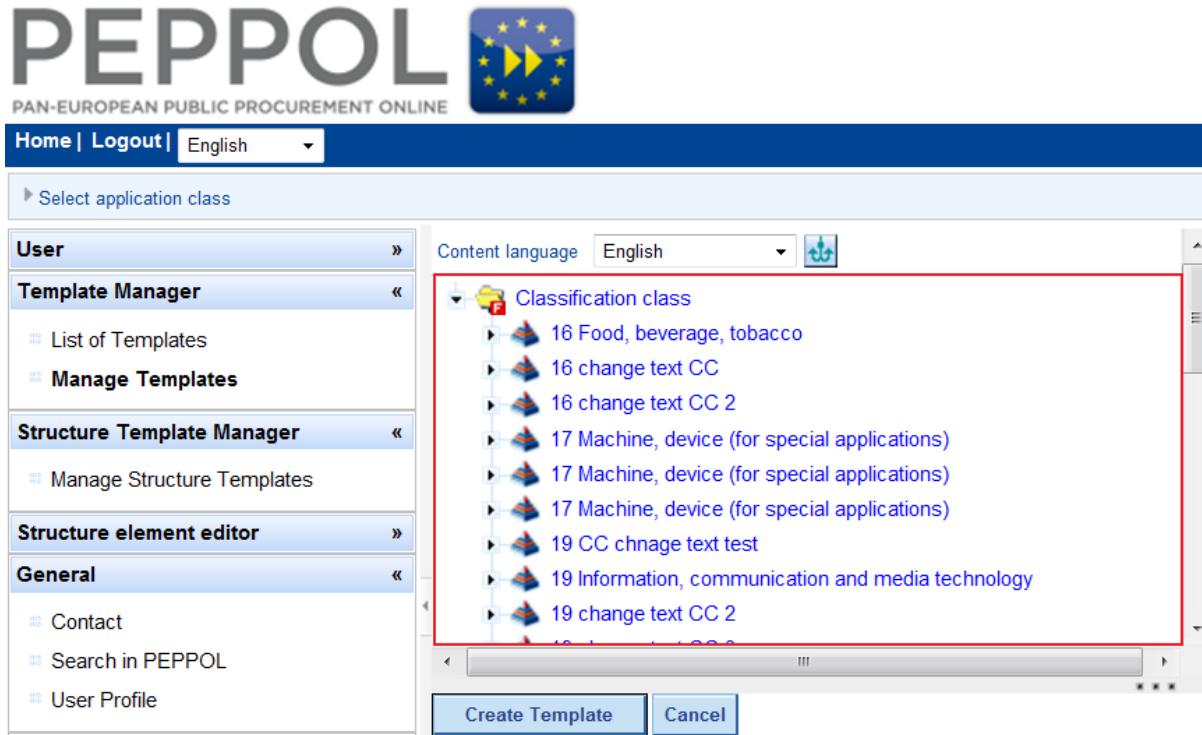


Figure 204 Hierarchy

**Step 2:** In this view, expand the hierarchy up to the node of an Application Class.  
Select the Application Class:

Figure 205 Selection of AC

Once the AC is clicked with the cursor, TABs are displayed on the right-hand panel.

**Step 2:** Click on the [Templates] TAB:

Figure 206 Templates TAB

**Step 3:** Click [Edit](#) and the system displays the Template details in editable mode:

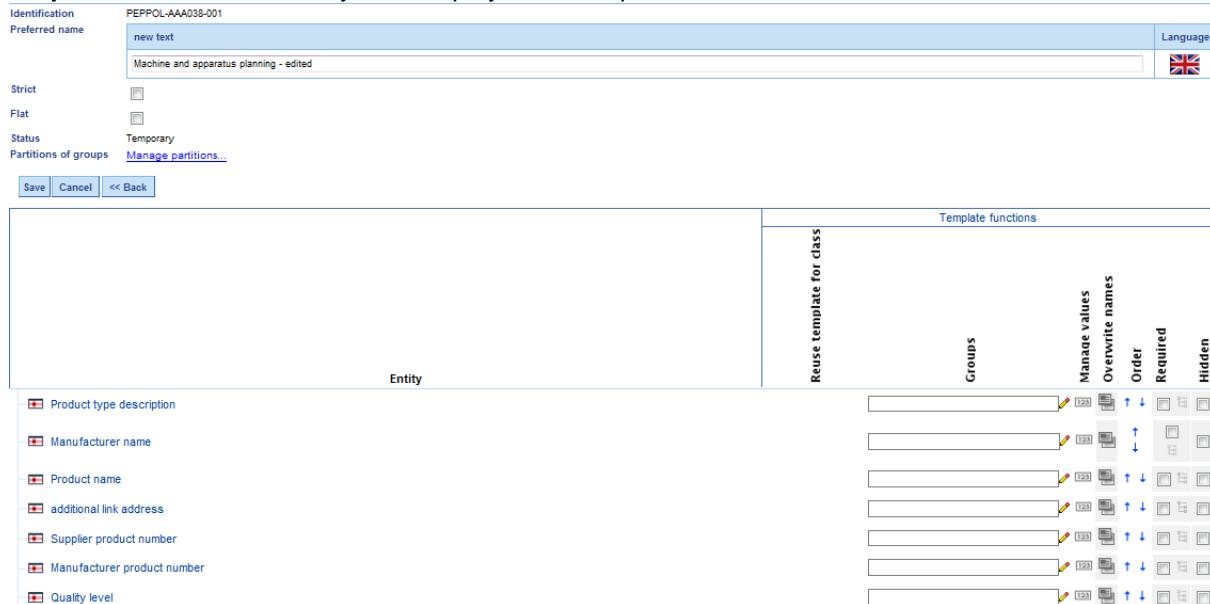


Figure 207 Edit Template

**Step 4:** Make the desired changes and press [Save](#). The system returns to the hierarchy and confirms that the changes have been saved:

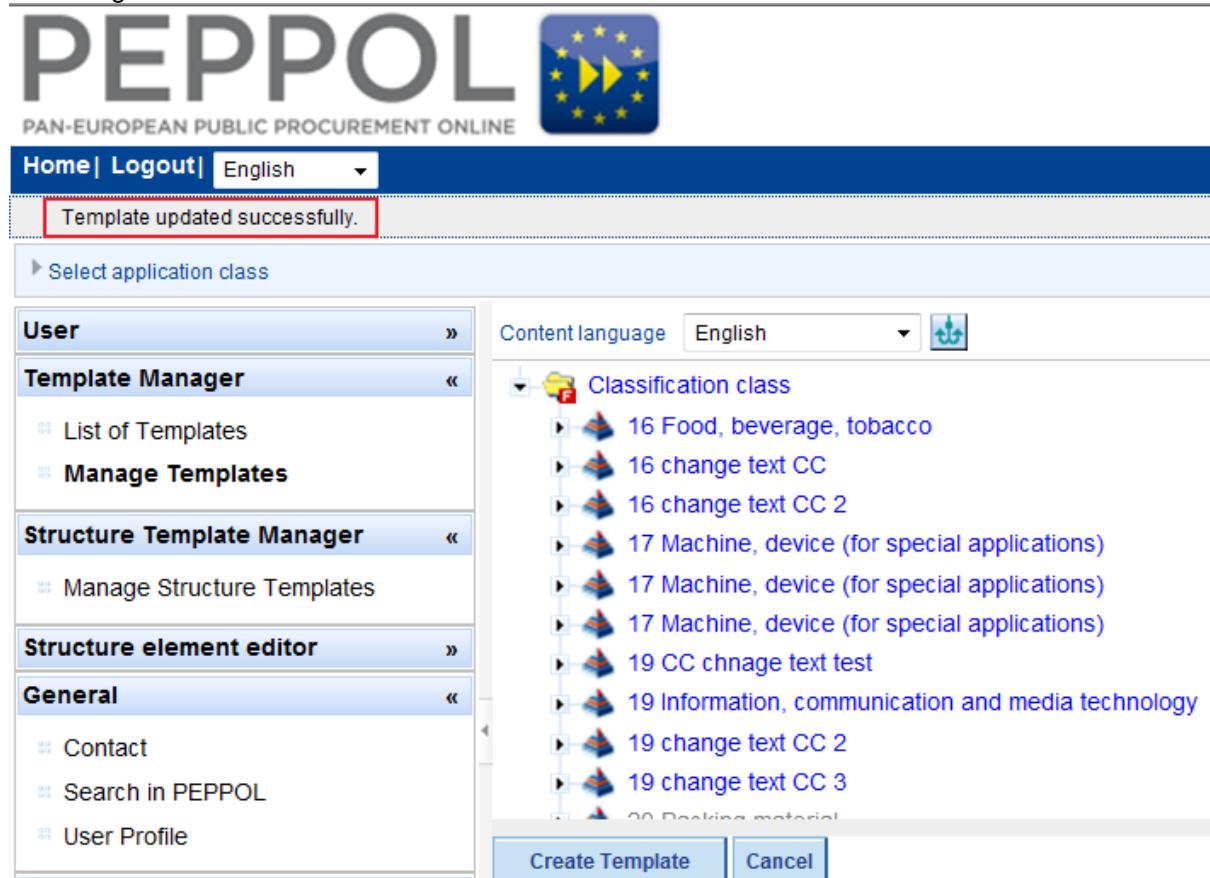


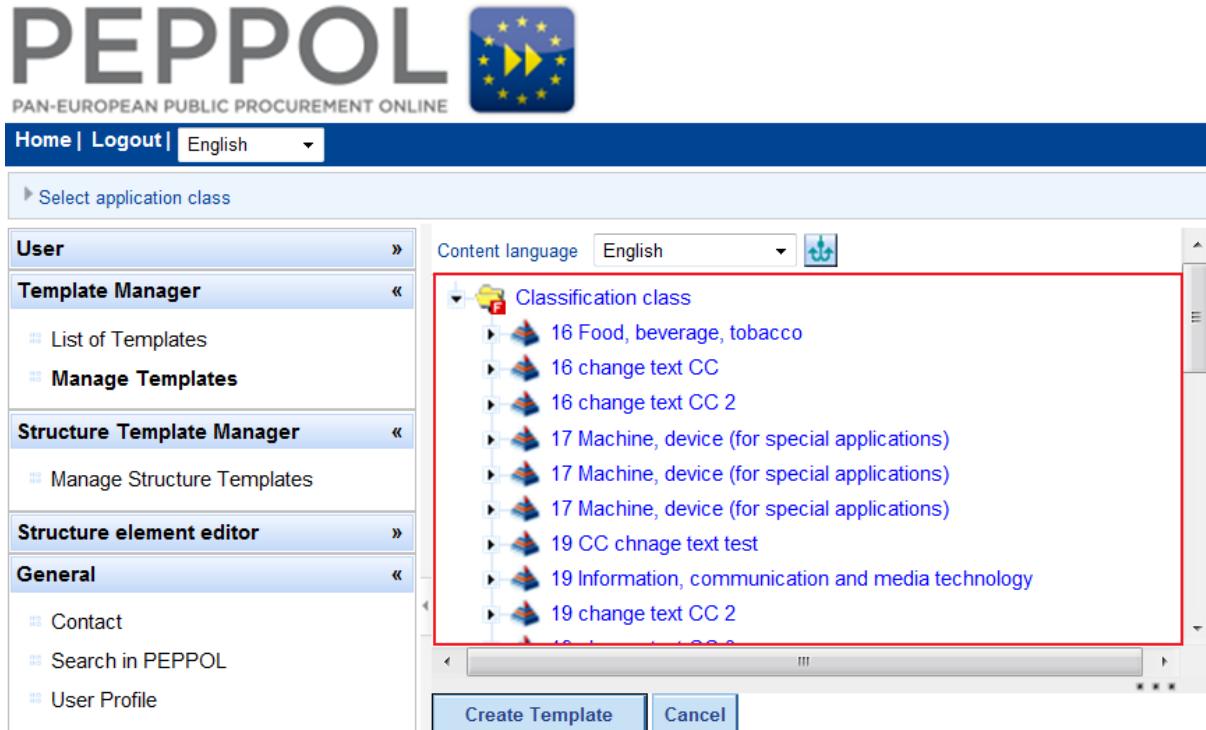
Figure 208 System Message



## 18.5 Delete Template

The deletion process sets a template to status DEPRECATED.

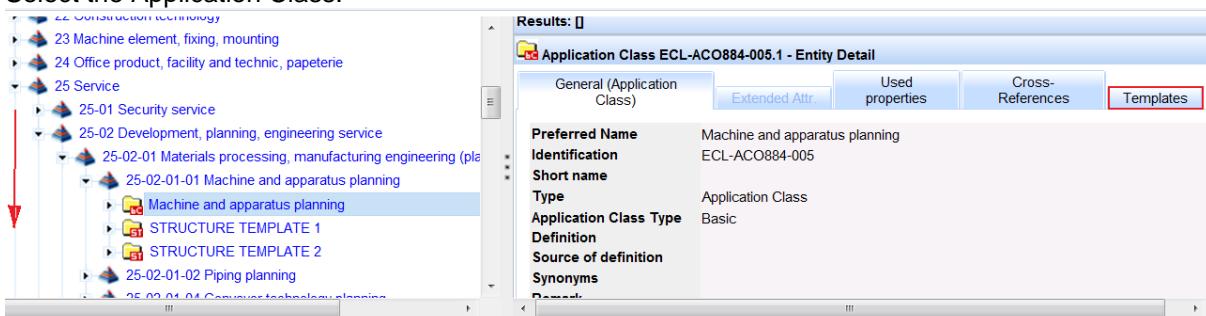
**Step 1:** Expand the menu [Template Manager] and click [Manage Templates]. On the screen, the entire hierarchical system displays segments that can be expanded:



The screenshot shows the PEPPOL Template Manager interface. The left sidebar contains navigation links for User, Template Manager (with Manage Templates selected), Structure Template Manager, Structure element editor, and General. The main area shows a tree view of application classes under Content language English. A red box highlights the 'Classification class' node, which has several sub-nodes listed below it. At the bottom of the main window are 'Create Template' and 'Cancel' buttons.

Figure 209 Hierarchy

**Step 2:** In this view, expand the hierarchy up to the node of an Application Class.  
Select the Application Class:



The screenshot shows the PEPPOL Application Class Entity Detail view for ECL-ACO884-005.1. The 'Templates' tab is selected in the top right. The left pane shows a detailed tree view of the application class structure, with a red arrow pointing to the 'Machine and apparatus planning' node under '25-02-01-01 Machine and apparatus planning'. The right pane displays the entity details for this application class, including its preferred name, identification, short name, type, and other properties.

Figure 210 Selection of AC

Once the AC is clicked with the cursor, TABS are displayed on the right-hand panel.  
Click on the [Templates] TAB. The templates are in status TEMPORARY.

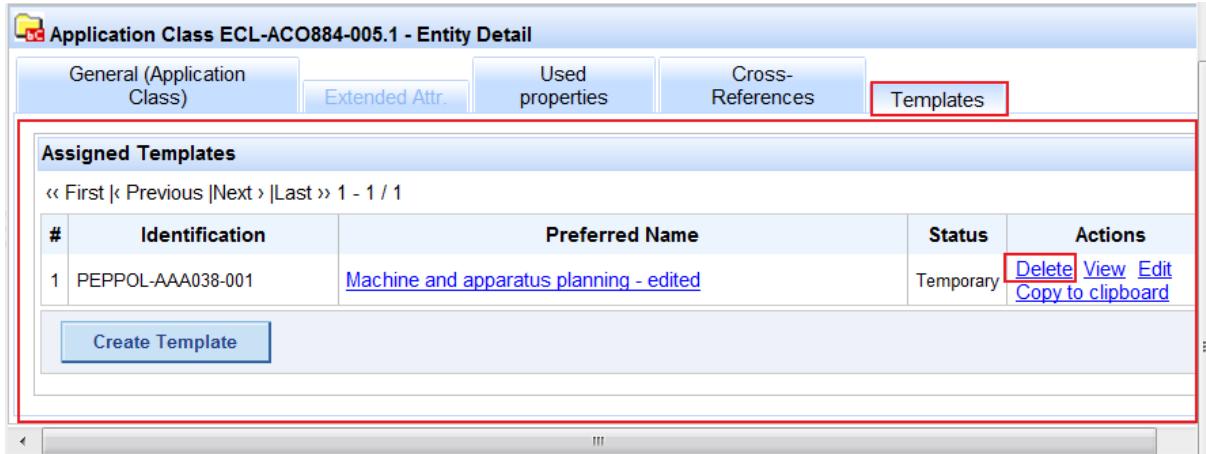


Figure 211 Templates TAB

Click **Delete** and the system displays the template details:

Identification: PEPPOL-AAA038-001

Preferred name: new text

Language: English

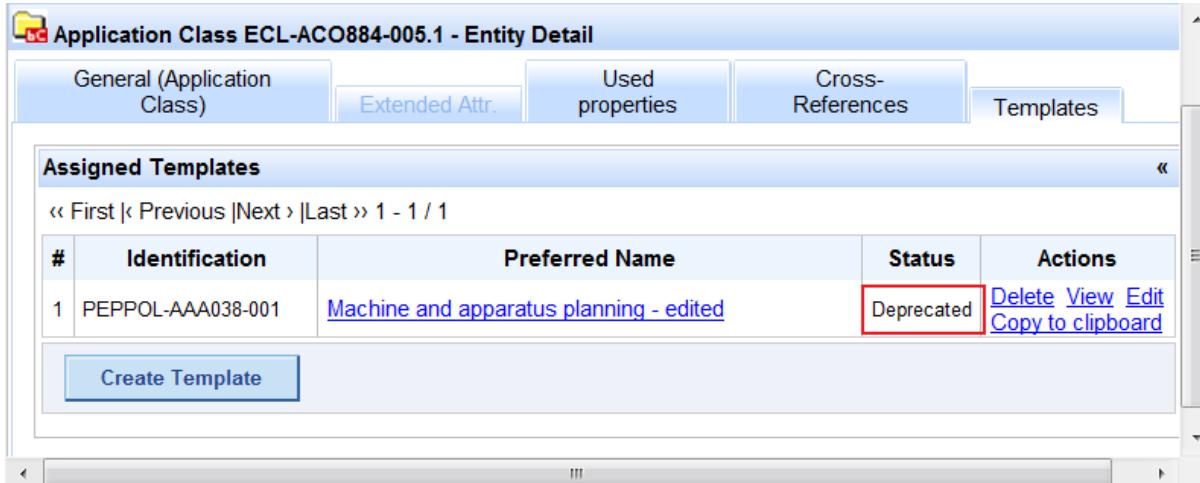
Status: Temporary

Partitions of groups: [Manage partitions...](#)

**Delete** **Cancel** **<< Back**

Figure 212 Delete Template

**Step 4:** Click **Delete**. The system returns to the hierarchy.  
In the TAB, the respective template is now set to status DEPRECATED.



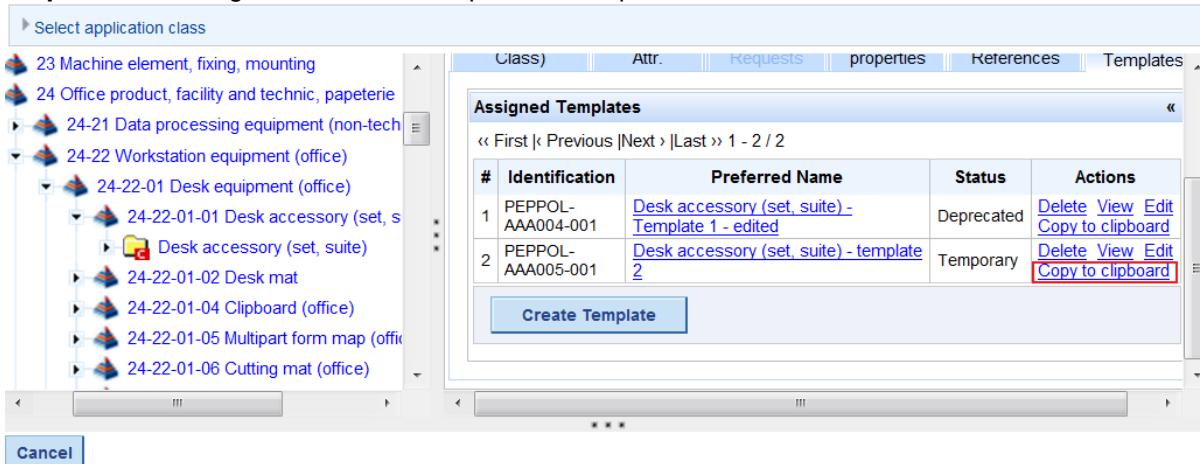
#	Identification	Preferred Name	Status	Actions
1	PEPPOL-AAA038-001	<a href="#">Machine and apparatus planning - edited</a>	Deprecated	<a href="#">Delete</a> <a href="#">View</a> <a href="#">Edit</a> <a href="#">Copy to clipboard</a>

Figure 213 Deprecated Template

## 18.6 Copy to Clipboard

The Copy to Clipboard function serves the copy the Identifier of the Template. This Identifier remains stored on the clipboard and can be pasted, as necessary.

**Step 1:** After having selected the AC, open the Templates TAB:



#	Identification	Preferred Name	Status	Actions
1	PEPPOL-AAA004-001	<a href="#">Desk accessory (set, suite) - Template 1 - edited</a>	Deprecated	<a href="#">Delete</a> <a href="#">View</a> <a href="#">Edit</a> <a href="#">Copy to clipboard</a>
2	PEPPOL-AAA005-001	<a href="#">Desk accessory (set, suite) - template 2</a>	Temporary	<a href="#">Delete</a> <a href="#">View</a> <a href="#">Edit</a> <a href="#">Copy to clipboard</a>

Figure 214 Copy to Clipboard

**Step 2:** In the Actions column, click [Copy to Clipboard]. The system stores the code onto the clipboard.

**Step 3:** Paste the code in the field, as the case may be.

## 19 PEPPOL PPS Users and Groups

### 19.1 Introduction

### 19.2 Purpose

The purpose of this Storybook is to provide an overview and to guide the user in handling functions affiliated to User and Group Management.

### 19.3 Scope

In scope of this document:

Out of scope: to propose other functionalities or amendments.

### 19.4 Definitions, Acronyms and Abbreviations

### 19.5 References

<http://www.peppol.eu/peppol-eia1/ict-architecture/pre-award-eprocurement/models/>  
<http://beta.peppol.paradine.at/portal/info.seam>



## 19.6 Users and Groups

### 19.7 Login

**Prerequisites:** The user disposes of a *Login name* and a *Password*.

To log into the PEPPOL Portal, the user has to enter the Login name and the Password provided into the required fields:



The screenshot shows the PEPPOL Portal home page. On the left, there is a sidebar with links for General (Contact, Search in PEPPOL), Info (About), and Log in. The Log in section contains fields for Login Name and Password, both of which are highlighted with red boxes. Below these fields are 'Forgot your password?' and 'Log in' buttons. A note at the bottom of the sidebar states: 'Website optimised for Internet Explorer 8 and Firefox 3.' To the right of the sidebar, the main content area is titled 'Info' and features the heading 'PEPPOL ePPS'. It describes the project's objective to set up a pan European pilot solution for eProcurement. A large diagram illustrates the 'eProcurement process (fully electronic)' as a yellow arrow pointing from left to right. The process is divided into two main phases: 'Pre Awarding' (eSourcing, eNoticing and eTendering) and 'Post Awarding' (eAwarding and eContract, eOrders, eInvoice, ePayment). Below the main arrow are four circular nodes labeled 'eIdentity', 'eAttestation (VCD)', 'eCatalogue', and 'eSignature', grouped under the heading '„Key Enablers“'. At the bottom of the diagram is a yellow bar labeled 'eArchiving'.

Figure 215 PEPPOL Portal Home

Press .

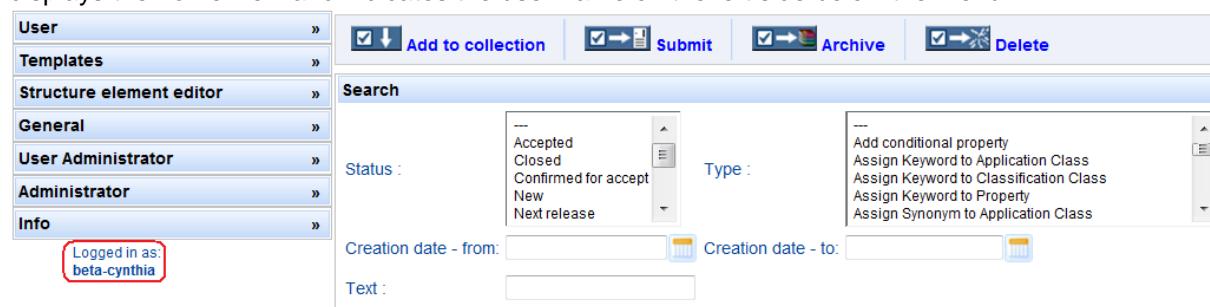


The objective of the **PEPPOL** (*Pan-European Public eProcurement On-Line*) project is to set up a pan European pilot solution that, conjointly with existing national solutions, facilitates EU-wide interoperable public eProcurement. The vision of the **PEPPOL** project is that any company and in particular SMEs in the EU can communicate electronically with any European governmental institution for the entire procurement process.

The final outcome of **PEPPOL** will be an interoperational environment build upon national systems and infrastructures supporting the full cycle of eProcurement activities.

Figure 216 Log in Button

By performing login, the user becomes an authenticated user and the session is started. The system displays the home view and indicates the user name on the left side below the menu:



## 19.8 Logout

**Prerequisites:** The authenticated user is logged in.

To end an ongoing session, press [Logout] on the left side of the header:



Figure 217 Logout Button

The system logs the user out and displays the welcoming PEPPOL Portal page.

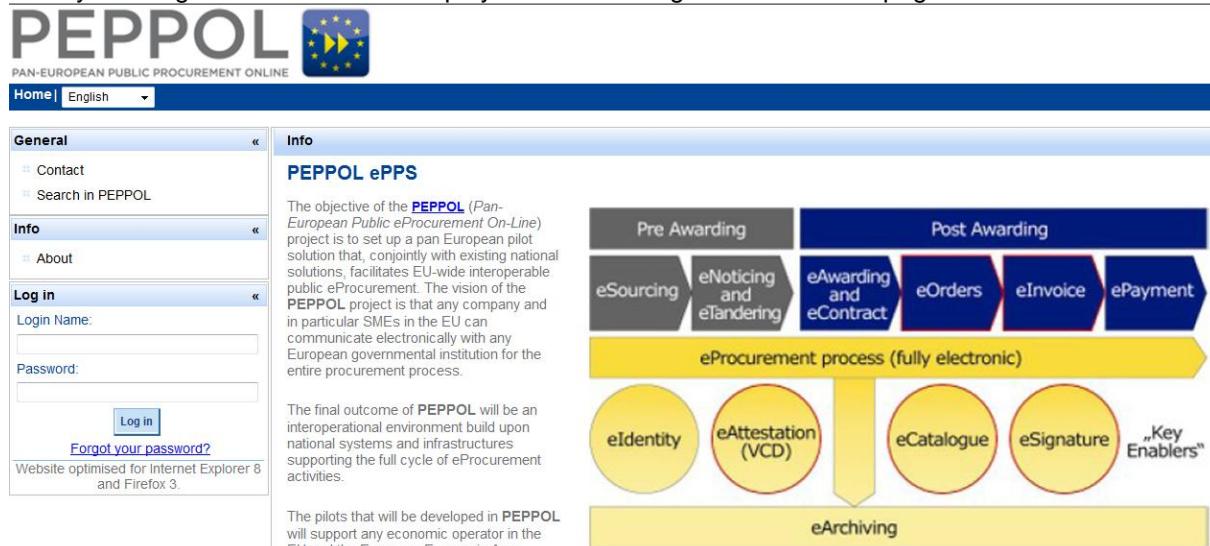


Figure 218 Initial Portal Page

## 19.9 Reset your Password

If a user forgets the password, the password can be reset and another one is subsequently generated and sent to the user.

Click [Forgot your Password?] below the login fields:

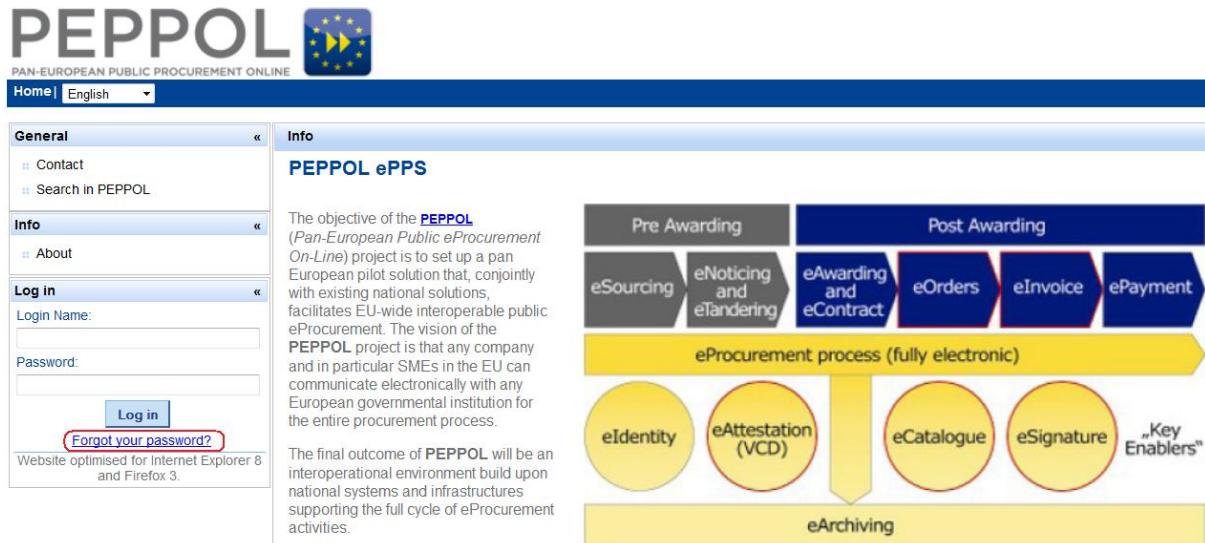


Figure 219 Forgot Password

The system displays hints on how the fields must be filled in.

Enter the login name in the respective input field.

Type the code displayed in the grey field with the exact letter casing:

This screenshot shows a password reset form. It includes a 'Forgot your password?' link, a note about password reset via email, and a 'Login Name:' field with a placeholder 'enter your login name here'. Below the field is a CAPTCHA challenge: 'To protect against automatic abuse of registration service please type the letters in the picture. Letter case is important.' followed by the text 'wF t 1R'. A red box highlights the CAPTCHA input field where 'wFt1R' is typed. At the bottom are 'Send' and 'Cancel' buttons.

Press **Send** to submit the request. An email is being sent so that the user confirms password reset request:

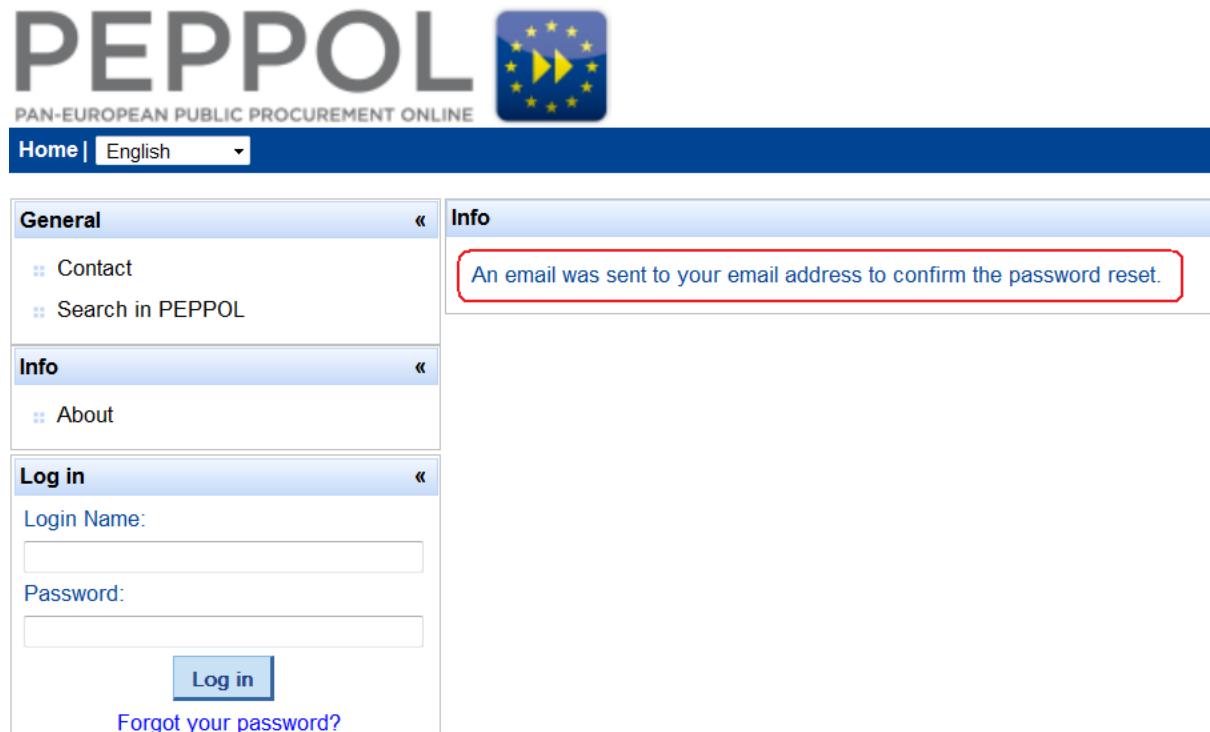


Figure 220 System Message

In the received email, press the link to reset the password and to receive a new one:

Subject: Forgot password: confirm request

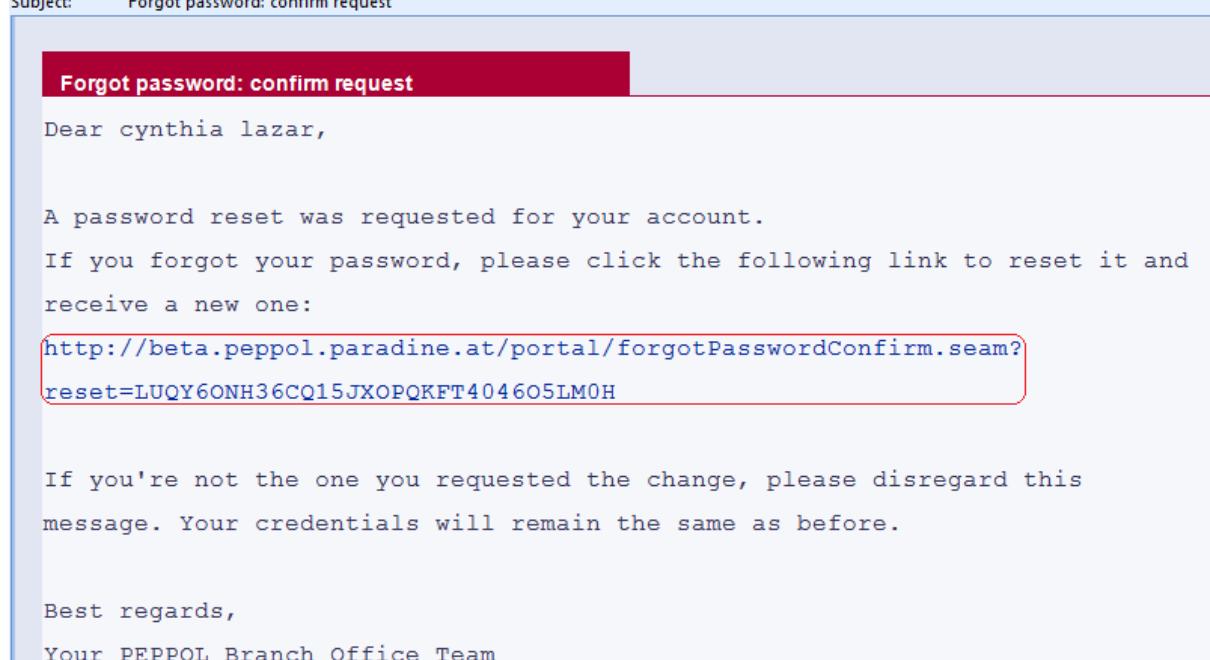


Figure 221 Password Reset Confirmation

This link redirects the user to the internet browser to the Peppol Portal:

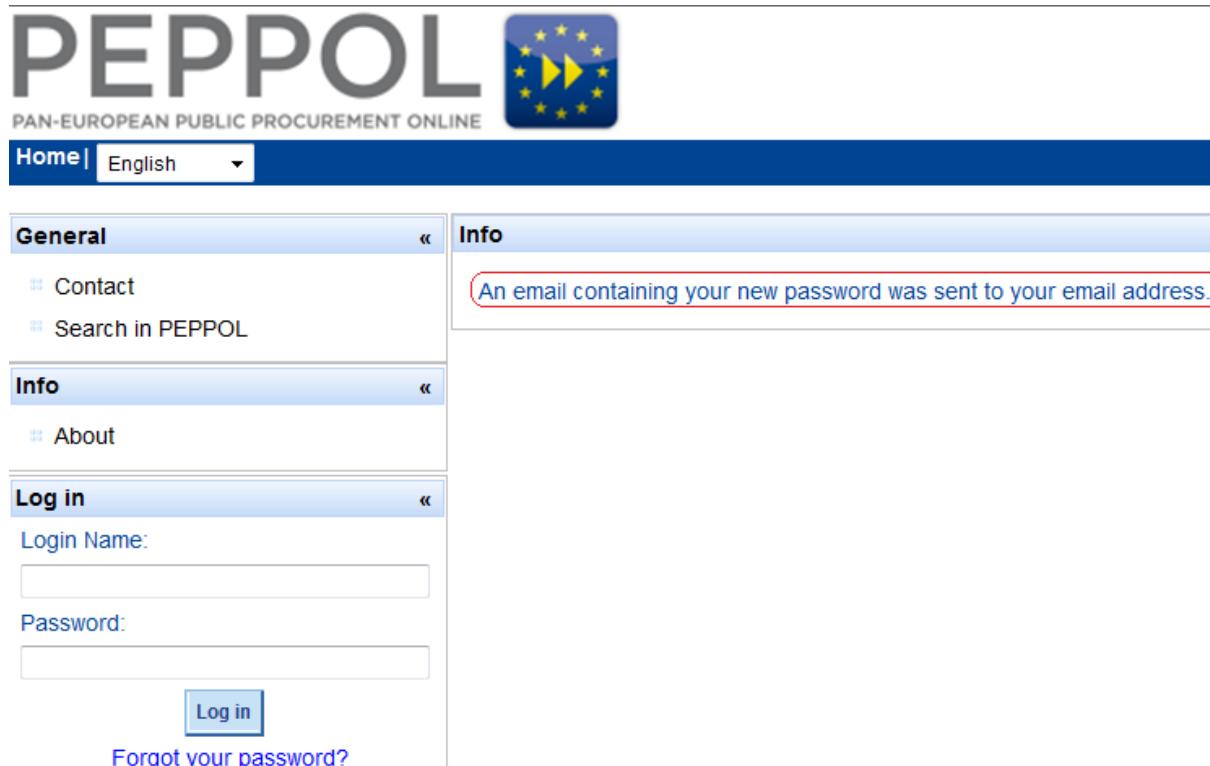


Figure 222 System Message

Another email is being sent to the user containing the login name, a new password and a link to the PEPPOL Portal. The password sent via email is valid can shall be used to access the portal.

## 19.10 User Management

**Prerequisites:** ONLY Data Administrators can perform actions pertaining to User Management. Accounts can be created, disabled and managed.

### 19.10.1 Search User

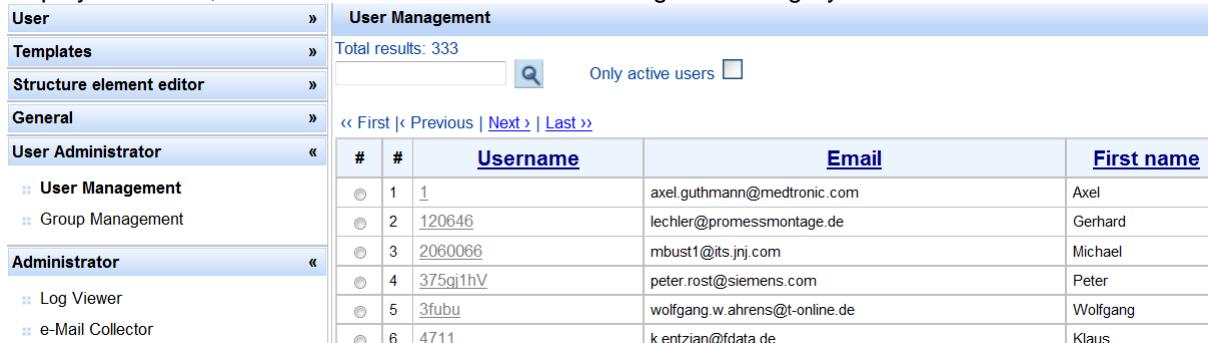
Visit menu [User Administrator] and click on [User Management]. The list of users is displayed. A checkbox [Only active users] is ticked by default. Therefore, only enabled user accounts are displayed in this list, with their username displayed in blue colour:

User	User Management																																																		
Templates	Total results: 13																																																		
Structure element editor	<input type="checkbox"/> Only active users <input checked="" type="checkbox"/>																																																		
General	<a href="#">« First</a> <a href="#">Previous</a> <a href="#">Next</a> <a href="#">» Last</a>																																																		
User Administrator	<table border="1"> <thead> <tr> <th>#</th> <th>#</th> <th>Username</th> <th>Email</th> <th>First name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>beta-cynthia</td> <td>cynthia.lazar@paradine.at</td> <td>cynthia</td> <td></td> </tr> <tr> <td>2</td> <td>beta-leutgeb</td> <td>andrea.leutgeb@bbg.gv.at</td> <td>Andrea</td> <td></td> </tr> <tr> <td>3</td> <td>beta-richter</td> <td>matthias.richter@paradine.at</td> <td>Matthias</td> <td></td> </tr> <tr> <td>4</td> <td>beta-stanisor</td> <td>simona.stanisor@paradine.at</td> <td>Simona</td> <td></td> </tr> <tr> <td>5</td> <td>beta-stergiou</td> <td>a.stergiou@gnomon.com.gr</td> <td>Athina</td> <td></td> </tr> <tr> <td>6</td> <td>bruno.boutteau@gmail.com</td> <td>bruno.boutteau@gmail.com</td> <td>Bruno</td> <td></td> </tr> <tr> <td>7</td> <td>consip</td> <td>giancarlo.destefano@tesoro.it</td> <td>Giancarlo</td> <td></td> </tr> <tr> <td>8</td> <td>giancarlo.destefano@tesoro.it</td> <td>giancarlo.destefano@tesoro.it</td> <td>Giancarlo</td> <td></td> </tr> <tr> <td>9</td> <td>jam@difi.no</td> <td>jam@difi.no</td> <td>Jan Andrea</td> <td></td> </tr> </tbody> </table>	#	#	Username	Email	First name	1	beta-cynthia	cynthia.lazar@paradine.at	cynthia		2	beta-leutgeb	andrea.leutgeb@bbg.gv.at	Andrea		3	beta-richter	matthias.richter@paradine.at	Matthias		4	beta-stanisor	simona.stanisor@paradine.at	Simona		5	beta-stergiou	a.stergiou@gnomon.com.gr	Athina		6	bruno.boutteau@gmail.com	bruno.boutteau@gmail.com	Bruno		7	consip	giancarlo.destefano@tesoro.it	Giancarlo		8	giancarlo.destefano@tesoro.it	giancarlo.destefano@tesoro.it	Giancarlo		9	jam@difi.no	jam@difi.no	Jan Andrea	
#	#	Username	Email	First name																																															
1	beta-cynthia	cynthia.lazar@paradine.at	cynthia																																																
2	beta-leutgeb	andrea.leutgeb@bbg.gv.at	Andrea																																																
3	beta-richter	matthias.richter@paradine.at	Matthias																																																
4	beta-stanisor	simona.stanisor@paradine.at	Simona																																																
5	beta-stergiou	a.stergiou@gnomon.com.gr	Athina																																																
6	bruno.boutteau@gmail.com	bruno.boutteau@gmail.com	Bruno																																																
7	consip	giancarlo.destefano@tesoro.it	Giancarlo																																																
8	giancarlo.destefano@tesoro.it	giancarlo.destefano@tesoro.it	Giancarlo																																																
9	jam@difi.no	jam@difi.no	Jan Andrea																																																
Administrator																																																			
Log Viewer																																																			
e-Mail Collector																																																			
Info																																																			
Logged in as: <b>beta-cynthia</b>																																																			

Figure 223 List of Users



In order to see also user accounts that have been disabled, uncheck the box [Only active users]. The system displays all users, whereas the disabled users are being shown in grey:



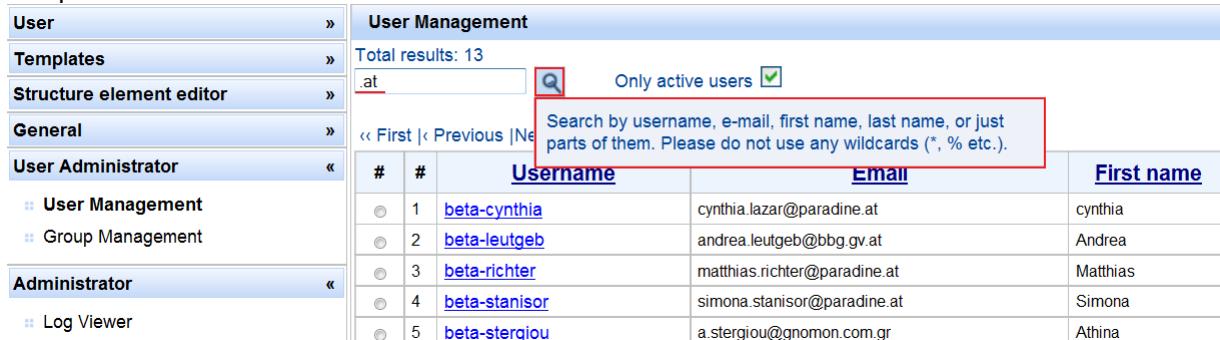
#	#	Username	Email	First name
1	1	axel.guthmann@medtronic.com		Axel
2	120646	lechler@promessmontage.de		Gerhard
3	2060066	mbust1@its.jnj.com		Michael
4	375q1hV	peter.rosi@siemens.com		Peter
5	3fubu	wolfgang.w.ahrens@t-online.de		Wolfgang
6	4711	k.entzian@fdata.de		Klaus

Figure 224 Disabled Users

If the cursor is placed into the search field, the system displays a tooltip on search: search can be done by username, email, fist name, last name or just parts of them. Please do not user wildcards.

After deciding whether all or just active users are being searched for, enter the search term in the input field

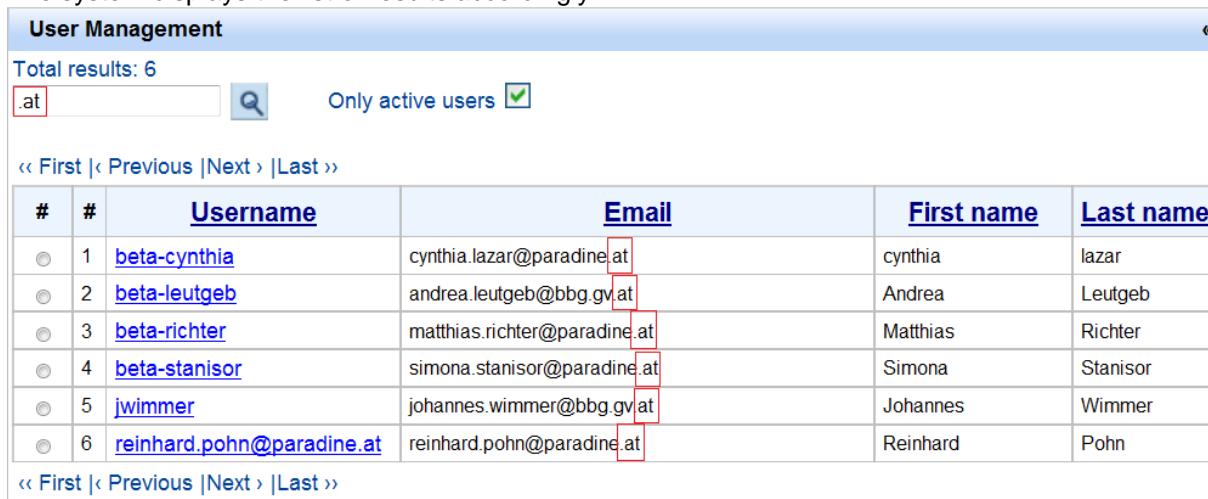
and press  button:



#	#	Username	Email	First name
1		beta-cynthia	cynthia.lazar@paradine.at	cynthia
2		beta-leutgeb	andrea.leutgeb@bbg.gv.at	Andrea
3		beta-richter	matthias.richter@paradine.at	Matthias
4		beta-stanisor	simona.stanisor@paradine.at	Simona
5		beta-stergiou	a.stergiou@gnomon.com.gr	Athina

Figure 225 Search User

The system displays the list of results accordingly:



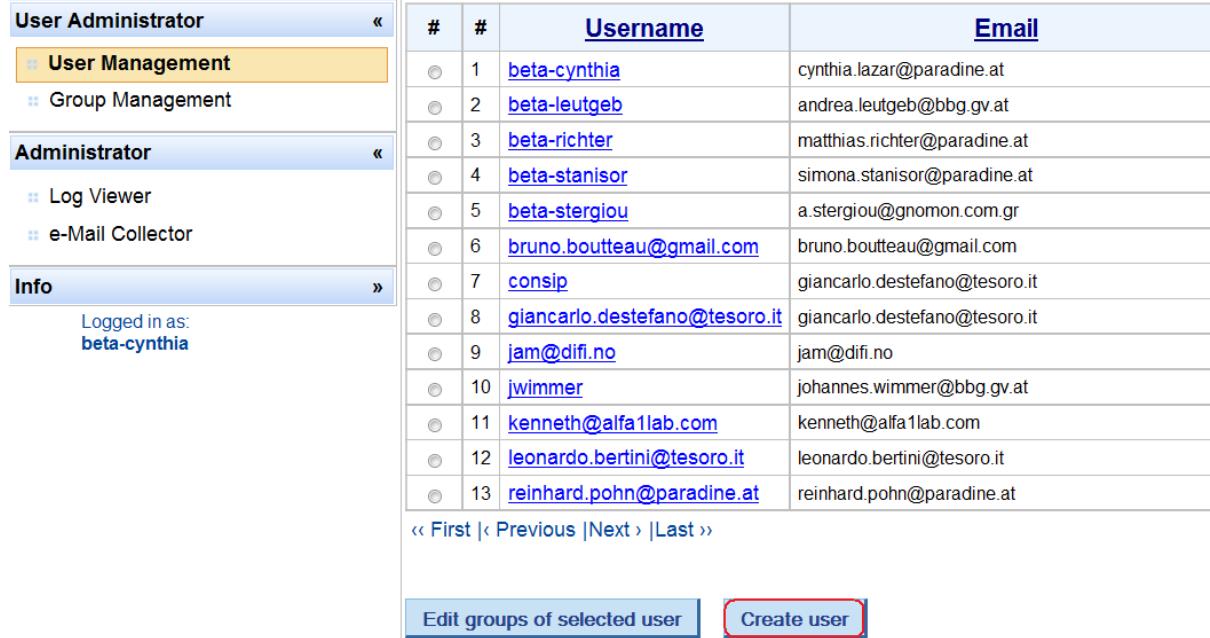
#	#	Username	Email	First name	Last name
1	1	beta-cynthia	cynthia.lazar@paradine.at	cynthia	lazar
2	2	beta-leutgeb	andrea.leutgeb@bbg.gv.at	Andrea	Leutgeb
3	3	beta-richter	matthias.richter@paradine.at	Matthias	Richter
4	4	beta-stanisor	simona.stanisor@paradine.at	Simona	Stanisor
5	5	jwimmer	johannes.wimmer@bbg.gv.at	Johannes	Wimmer
6	6	reinhard.pohn@paradine.at	reinhard.pohn@paradine.at	Reinhard	Pohn

Figure 226 List of Results

The list pages can be browsed via the [« First](#) | [Previous](#) | [Next](#) | [Last »](#) links located at the top and at the bottom of the list.

## 19.10.2 Create User Account

Visit menu [User Administrator] and click on [User Management]. The list of users is displayed:



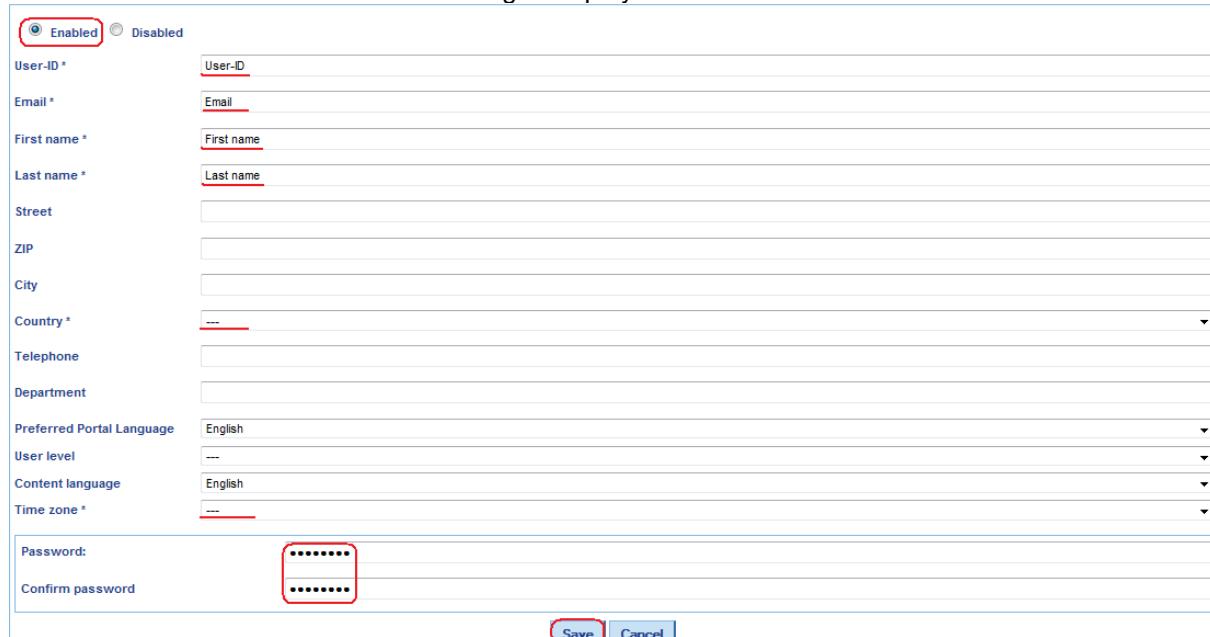
#	Username	Email
1	<a href="#">beta-cynthia</a>	cynthia.lazar@paradine.at
2	<a href="#">beta-leutgeb</a>	andrea.leutgeb@bbg.gv.at
3	<a href="#">beta-richter</a>	matthias.richter@paradine.at
4	<a href="#">beta-stanisor</a>	simona.stanisor@paradine.at
5	<a href="#">beta-stergiou</a>	a.stergiou@gnomon.com.gr
6	<a href="#">bruno.boutteau@gmail.com</a>	bruno.boutteau@gmail.com
7	<a href="#">consip</a>	giancarlo.destefano@tesoro.it
8	<a href="#">giancarlo.destefano@tesoro.it</a>	giancarlo.destefano@tesoro.it
9	<a href="#">jam@diffi.no</a>	jam@diffi.no
10	<a href="#">jwimmer</a>	johannes.wimmer@bbg.gv.at
11	<a href="#">kenneth@alfa1lab.com</a>	kenneth@alfa1lab.com
12	<a href="#">leonardo.bertini@tesoro.it</a>	leonardo.bertini@tesoro.it
13	<a href="#">reinhard.pohn@paradine.at</a>	reinhard.pohn@paradine.at

[« First](#) [Previous](#) [Next](#) [» Last](#)

[Edit groups of selected user](#) [Create user](#)

Figure 227 List of Users

Click [Create user](#) and the new user dialog is displayed:



User-ID \*

Email \*

First name \*

Last name \*

Street

ZIP

City

Country \*

Telephone

Department

Preferred Portal Language

User level

Content language

Time zone \*

Password:

Confirm password

[Save](#) [Cancel](#)

Figure 228 New User Dialog

**NB:** First thing to do is to set the user on Enabled by ticking the checkbox, otherwise the user will not be able to log in.

All mandatory fields must be filled in: user-ID, email, first name, last name, country, time zone and the password.

Press the [Save](#) button and a new user account is created. The system return to the list of users

The new user is notified automatically by the system via email, under the condition that a valid email address is provided by the account creator:

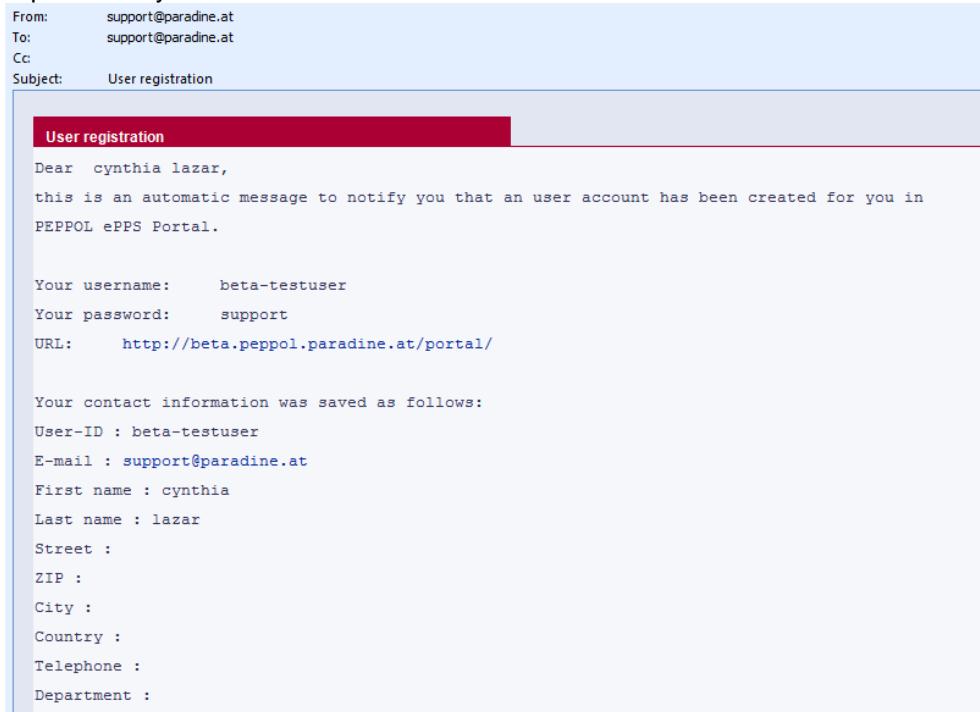


Figure 229 Confirmation Email

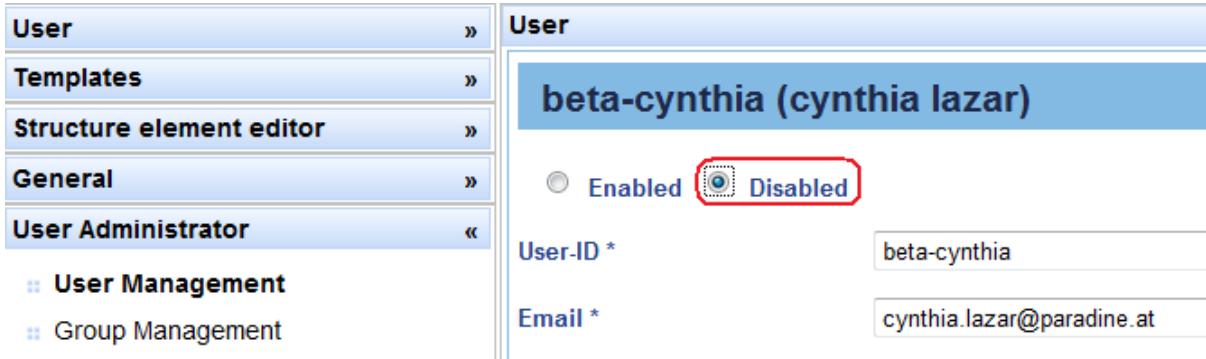
### 19.10.3 Disable User Account

**NB:** By disabling a user account, the respective user will be prevented from login.  
Visit User Management and the list of users is displayed. A checkbox [Only active users] is ticked by default. This means that only user set to enabled are displayed in this list:

#	#	Username	Email
1	beta-cynthia	cynthia.lazar@paradine.at	
2	beta-leutgeb	andrea.leutgeb@bbg.gv.at	
3	beta-richter	matthias.richter@paradine.at	
4	beta-stanisor	simona.stanisor@paradine.at	
5	beta-stergiou	a.stergiou@gnomon.com.gr	
6	bruno.boutteau@gmail.com	bruno.boutteau@gmail.com	

Figure 230 List of Users

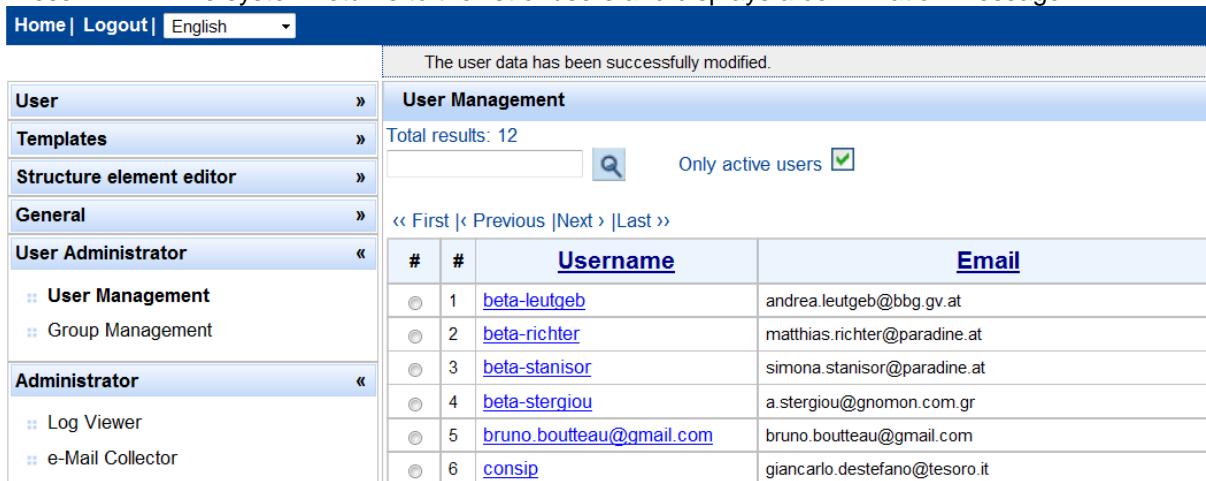
Click the link of the user name that has to be set to disabled and the user details are displayed. Tick the checkbox [Disabled]:



The screenshot shows the 'User Details' page. On the left, a sidebar lists 'User', 'Templates', 'Structure element editor', 'General', and 'User Administrator'. Under 'User Administrator', 'User Management' and 'Group Management' are listed. The main area shows a user named 'beta-cynthia (cynthia.lazar)'. The 'Enabled' radio button is selected (unhighlighted), while the 'Disabled' radio button is selected and highlighted with a red border. Below this, 'User-ID \*' is set to 'beta-cynthia' and 'Email \*' is set to 'cynthia.lazar@paradine.at'.

Figure 231 User Details

Press **Save**. The system returns to the list of users and displays a confirmation message:

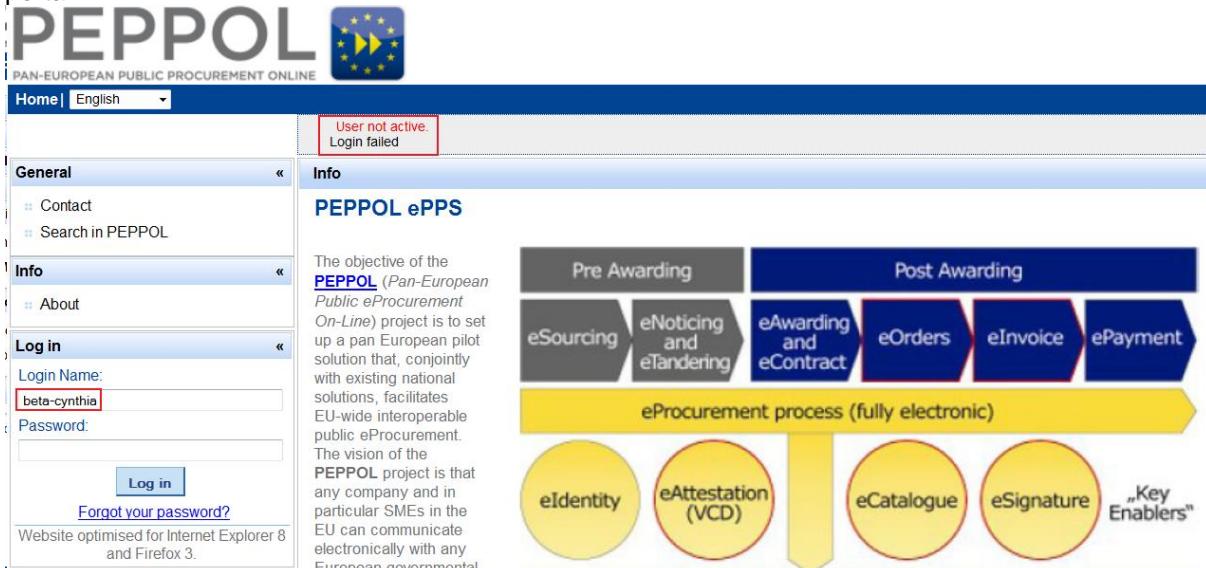


The screenshot shows the 'List of Users' page. The top navigation bar includes 'Home | Logout | English'. A confirmation message 'The user data has been successfully modified.' is displayed. The main area shows a table of users under 'User Management'. The table has columns '#', '#', 'Username', and 'Email'. The data is as follows:

#	#	Username	Email
1	beta-leutgeb	andrea.leutgeb@bbg.gv.at	
2	beta-richter	matthias.richter@paradine.at	
3	beta-stanisor	simona.stanisor@paradine.at	
4	beta-stergiou	a.stergiou@gnomon.com.gr	
5	bruno.boutteau@gmail.com	bruno.boutteau@gmail.com	
6	consip	giancarlo.destefano@tesoro.it	

Figure 232 List of Users

The disabled user is no longer displayed in the list of active users and is prevented from logging into the portal:



The screenshot shows the 'Log in' page. The top navigation bar includes 'Home | English'. A red box highlights the error message 'User not active. Login failed'. The left sidebar includes 'General', 'Info', and 'Log in' sections. The 'Log in' section contains fields for 'Login Name:' (set to 'beta-cynthia') and 'Password'. Below these is a 'Log in' button and a 'Forgot your password?' link. The right side features a diagram of the PEPPOL ePPS process, showing the 'eProcurement process (fully electronic)' flow from 'Pre Awarding' to 'Post Awarding' through various sub-processes like 'eSourcing', 'eNoticing and eTendering', 'eAwarding and eContract', 'eOrders', 'eInvoice', and 'ePayment'. It also highlights 'Key Enablers' such as 'eIdentity', 'eAttestation (VCD)', 'eCatalogue', 'eSignature', and 'ePayment'.

Figure 233 Inactive User Login

**NB:** The procedure same applies vice-versa for enabling a user account.

#### 19.10.4 Edit Groups of Selected User Account

**NB:** The possibility to perform certain tasks in the portal depends on the groups assigned. E.g., only a user having assigned group User Administrator has access to User Management functions.

Visit menu [User Administrator] and click on [User Management]. The list of active users is displayed:

**User Management**

Total results: 13  Only active users

[« First](#) [Previous](#) [Next](#) [» Last](#)

#	#	Username	Email
<input checked="" type="radio"/>	1	<a href="#">beta-cynthia</a>	cynthia.lazar@paradine.at
<input type="radio"/>	2	<a href="#">beta-leutgeb</a>	andrea.leutgeb@bbg.gv.at
<input type="radio"/>	3	<a href="#">beta-richter</a>	matthias.richter@paradine.at
<input type="radio"/>	4	<a href="#">beta-stanisor</a>	simona.stanisor@paradine.at
<input type="radio"/>	5	<a href="#">beta-stergiou</a>	a.stergiou@gnomon.com.gr
<input type="radio"/>	6	<a href="#">bruno.boutteau@gmail.com</a>	bruno.boutteau@gmail.com
<input type="radio"/>	7	<a href="#">consip</a>	giancarlo.destefano@tesoro.it
<input type="radio"/>	8	<a href="#">giancarlo.destefano@tesoro.it</a>	giancarlo.destefano@tesoro.it
<input type="radio"/>	9	<a href="#">jam@difi.no</a>	jam@difi.no
<input type="radio"/>	10	<a href="#">jwimmer</a>	johannes.wimmer@bbg.gv.at
<input type="radio"/>	11	<a href="#">kenneth@alfa1lab.com</a>	kenneth@alfa1lab.com
<input type="radio"/>	12	<a href="#">leonardo.bertini@tesoro.it</a>	leonardo.bertini@tesoro.it
<input type="radio"/>	13	<a href="#">reinhard.pohn@paradine.at</a>	reinhard.pohn@paradine.at

[« First](#) [Previous](#) [Next](#) [» Last](#)

[Edit groups of selected user](#) [Create user](#)

Figure 234 List of Users

Tick the checkbox affiliated to the targeted user account and click [Edit groups of selected user](#). The system displays a list of assigned and unassigned groups:

**beta-cynthia (cynthia lazar)** «

Assigned Groups			Unassigned Groups		
#	Group ↓	#	#	Group ↓	#
1	Administratoren	<input type="checkbox"/>	1	CA ADETEF	<input type="checkbox"/>
2	Gäste	<input type="checkbox"/>	2	CA BBG	<input type="checkbox"/>
3	Structure Element Editor	<input type="checkbox"/>	3	CA Consip	<input type="checkbox"/>
4	Template Editor	<input type="checkbox"/>	4	CA Difi	<input type="checkbox"/>
5	User Administrator	<input type="checkbox"/>	5	System	<input type="checkbox"/>

[Remove](#) [Add](#)

[<< Back](#)

Figure 235 User Groups

**NB:** Group Gäste is assigned by default. On creation, a user account is automatically member of this group. To assign a group, tick the corresponding checkbox. Button [Add] automatically becomes active:

**beta-cynthia (cynthia lazar)** «

Assigned Groups			Unassigned Groups		
#	Group ↓	#	#	Group ↓	#
1	Administratoren	<input type="checkbox"/>	1	CA ADETEF	<input type="checkbox"/>
2	Gäste	<input type="checkbox"/>	2	CA BBG	<input type="checkbox"/>
3	Structure Element Editor	<input type="checkbox"/>	3	CA Consip	<input type="checkbox"/>
4	Template Editor	<input type="checkbox"/>	4	CA Difi	<input type="checkbox"/>
5	User Administrator	<input type="checkbox"/>	5	System	<input checked="" type="checkbox"/>

[Remove](#) [Add](#)

[<< Back](#)

Figure 236 Unassigned Groups

Click **Add** and the respective group is automatically shifted to the column of assigned groups:

**beta-cynthia (cynthia lazar)** «

Assigned Groups			Unassigned Groups		
#	Group ↓	#	#	Group ↓	#
1	Administratoren	<input type="checkbox"/>	1	CA ADETEF	<input type="checkbox"/>
2	Gäste	<input type="checkbox"/>	2	CA BBG	<input type="checkbox"/>
3	Structure Element Editor	<input type="checkbox"/>	3	CA Consip	<input type="checkbox"/>
4	System	<input type="checkbox"/>	4	CA Difi	<input type="checkbox"/>
5	Template Editor	<input type="checkbox"/>			
6	User Administrator	<input type="checkbox"/>			

[Remove](#) [Add](#)

[<< Back](#)

Figure 237 Assigned Groups



The same applies vice-versa, i.e. unassigning groups functions by selecting the required checkbox, whilst button [Remove] activates:

**beta-cynthia (cynthia.lazar)**

Assigned Groups		Unassigned Groups		
#	Group ↴	#	Group ↴	
1	Administratoren	<input type="checkbox"/>	1 CA ADETEF	<input type="checkbox"/>
2	Gäste	<input type="checkbox"/>	2 CA BBG	<input type="checkbox"/>
3	Structure Element Editor	<input type="checkbox"/>	3 CA Consip	<input type="checkbox"/>
4	System	<input checked="" type="checkbox"/>	4 CA Difi	<input type="checkbox"/>
5	Template Editor	<input type="checkbox"/>		
6	User Administrator	<input type="checkbox"/>		

**Remove**

**<< Back**

Figure 238 Assigned Groups

Click **Remove** and the respective group is automatically shifted to the column of unassigned groups:

**beta-cynthia (cynthia.lazar)**

Assigned Groups		Unassigned Groups		
#	Group ↴	#	Group ↴	
1	Administratoren	<input type="checkbox"/>	1 CA ADETEF	<input type="checkbox"/>
2	Gäste	<input type="checkbox"/>	2 CA BBG	<input type="checkbox"/>
3	Structure Element Editor	<input type="checkbox"/>	3 CA Consip	<input type="checkbox"/>
4	Template Editor	<input type="checkbox"/>	4 CA Difi	<input type="checkbox"/>
5	User Administrator	<input type="checkbox"/>	5 System	<input type="checkbox"/>

**Remove**

**Add**

**<< Back**

Figure 239 Unassigned Groups

The assignation of more than one CA group is not allowed. ONLY one CA group can be assigned because this implies a unique membership:



The CA group CA Consip requires unique membership. You must remove any other CA group before you can assign this one.

**beta-cynthia (cynthia lazar)**

Assigned Groups			Unassigned Groups		
#	Group ↓	#	#	Group ↓	#
1	Administratoren	<input type="checkbox"/>	1	CA ADETEF	<input type="checkbox"/>
2	CA BBG	<input type="checkbox"/>	2	CA Consip	<input type="checkbox"/>
3	Gäste	<input type="checkbox"/>	3	CA Difi	<input type="checkbox"/>
4	Structure Element Editor	<input type="checkbox"/>	4	System	<input type="checkbox"/>
5	Template Editor	<input type="checkbox"/>			
6	User Administrator	<input type="checkbox"/>			
7	testgroup	<input type="checkbox"/>			

**Add**

**Remove**

**<< Back**

Figure 240 Assignton of CA Group

To exit, press **<< Back**  
The system returns to the list of users.

### 19.10.5 Edit User Account Details

Visit menu [User Administrator] and click on [User Management]. The list of users is displayed:

User		User Management			
Templates		Total results: 13			
Structure element editor		<input type="checkbox"/> Only active users <input checked="" type="checkbox"/>			
General		<< First  < Previous  Next > Last >>			
User Administrator		#	#	Username	Email
:: User Management		1	<a href="#">beta-cynthia</a>	cynthia.lazar@paradine.at	
:: Group Management		2	<a href="#">beta-leutgeb</a>	andrea.leutgeb@bbg.gv.at	
Administrator		3	<a href="#">beta-richter</a>	matthias.richter@paradine.at	
:: Log Viewer		4	<a href="#">beta-stanisor</a>	simona.stanisor@paradine.at	
:: e-Mail Collector		5	<a href="#">beta-stergiou</a>	a.stergiou@gnomon.com.gr	
		6	<a href="#">bruno.boutteau@gmail.com</a>	bruno.boutteau@gmail.com	

Figure 241 List of Users

Click the link of the user account that has to be edited and the user details are displayed.

**beta-cynthia (cynthia lazar)**

Enabled  Disabled

User-ID *	beta-cynthia
Email *	cynthia.lazar@paradine.at
First name *	cynthia
Last name *	lazar
Street	
ZIP	
City	
Country *	Austria
Telephone	
Department	
Preferred Portal Language	English
User level	Advanced
Content language	English
Time zone *	CET/MEZ (UTC+1, UTC+2DST)

Password:

Confirm password

## Figure 242 User Details

Edit the desired fields.

The preferred portal language is the language in which the portal is being displayed. To change it, select it from the drop-down selector:

Preferred Portal Language	<input type="text" value="English"/>
User level	<input type="text" value="English"/>
Content language	<input type="text" value="French"/> <input type="text" value="German"/> <input type="text" value="Italian"/> <input type="text" value="Norwegian"/>
Time zone *	
Password:	<input type="password"/>
Confirm password	<input type="password"/>

Figure 243 Preferred Portal Language

The country, user level, content language and the time zone can be selected in the same way, from the corresponding drop-down selector.

The other details are to be typed in.

To save the changes press **Save**. The system returns to the list of users and displays a confirmation message:

User	
Templates	
Structure element editor	
General	
User Administrator	
:: User Management	
:: Group Management	
Administrator	
:: Log Viewer	
:: e-Mail Collector	

The user data has been successfully modified.

## User Management

Total results: 12

 Only active users

[« First](#) | [Previous](#) | [Next](#) | [Last »](#)

#	#	Username	Email
<input type="radio"/>	1	<a href="#">beta-leutgeb</a>	andrea.leutgeb@bbg.gv.at
<input type="radio"/>	2	<a href="#">beta-richter</a>	matthias.richter@paradine.at
<input type="radio"/>	3	<a href="#">beta-stanisor</a>	simona.stanisor@paradine.at
<input type="radio"/>	4	<a href="#">beta-stergiou</a>	a.stergiou@gnomon.com.gr
<input type="radio"/>	5	<a href="#">bruno.boutteau@gmail.com</a>	bruno.boutteau@gmail.com
<input type="radio"/>	6	<a href="#">consip</a>	giancarlo.destefano@tesoro.it



Figure 244 List of Users

## 19.11 Group Management

**Prerequisites:** ONLY Data Administrators can perform actions pertaining to Group Management. Groups can be created, deleted and managed.

### 19.11.1 Search Group

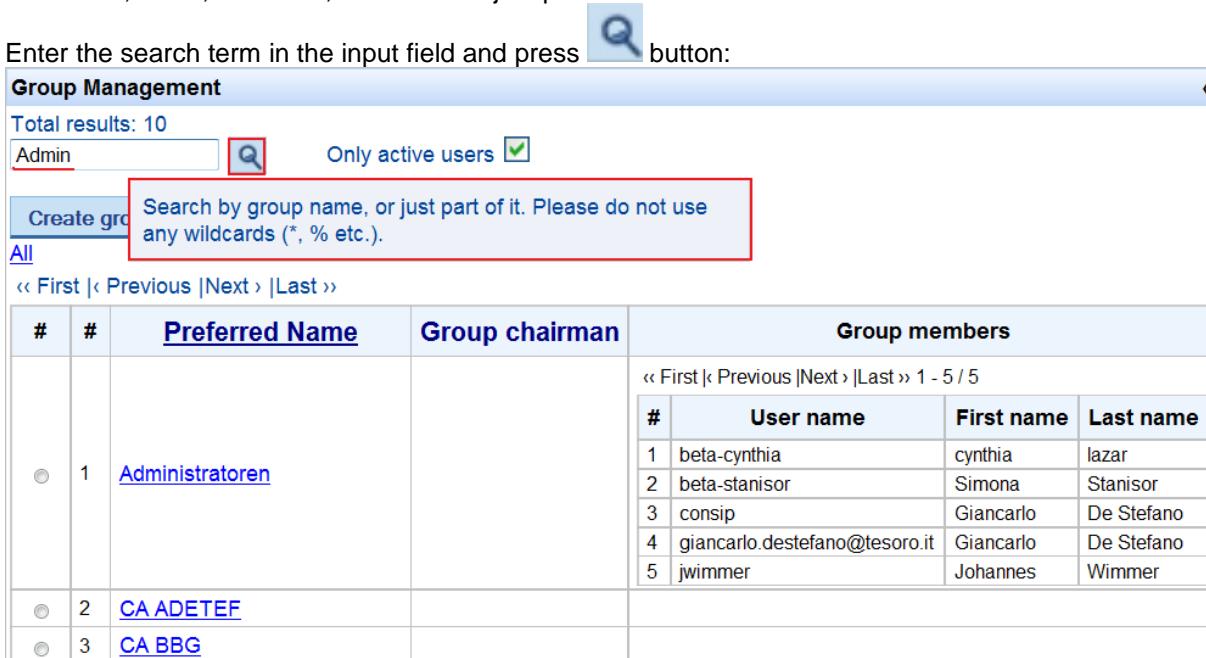
Visit menu [User Administrator] and click on [Group Management]. The list of groups and members is displayed. A checkbox [Only active users] is ticked by default:



The screenshot shows the 'Group Management' page. On the left, there is a sidebar with navigation links: User, Templates, Structure element editor, General, User Administrator (selected), and Administrator. Under User Administrator, there are links for User Management and Group Management. Under Administrator, there are links for Log Viewer and e-Mail Collector. The main area has a title 'Group Management' and a message 'Total results: 10'. There is a search input field with a magnifying glass icon and a checked checkbox labeled 'Only active users'. Below this is a 'Create group' button and a 'All' link. The main table has columns for '#', '#', 'Preferred Name', 'Group chairman', and 'Group members'. One row is visible, showing '# 1 Administratoren'. To the right of the table is a smaller table titled 'Group members' with columns '#', 'User name', and 'First name'. It lists three entries: 1 beta-cynthia (cynthia), 2 beta-stanisor (Simona), and 3 consip (Giancarlo). Navigation links at the bottom include '<< First | < Previous | Next > | Last >>' and '1 - 5 / 5'.

Figure 245 List of Groups

If the cursor is placed into the search field, the system displays a tooltip on search: search can be done by username, email, fist name, last name or just parts of them. Please do not user wildcards.



The screenshot shows the 'Group Management' page with a red box highlighting the search input field containing 'Admin'. A tooltip above the field says 'Search by group name, or just part of it. Please do not use any wildcards (\*, % etc.).' The rest of the interface is identical to Figure 245, showing the list of groups and members.

Figure 246 Search Group

The system displays the list of results accordingly:



Group Management																																					
Total results: 2																																					
Admin	<input type="text"/>  Only active users <input checked="" type="checkbox"/>																																				
<a href="#">Create group</a>																																					
All	<a href="#">« First</a> <a href="#">Previous</a> <a href="#"> Next</a> <a href="#">» Last »</a>																																				
# # Preferred Name	Group chairman Group members																																				
1 Adminstratoren	<table border="1"> <thead> <tr> <th colspan="4">« First   Previous   Next » 1 - 5 / 5</th> </tr> <tr> <th>#</th><th>User name</th><th>First name</th><th>Last name</th></tr> </thead> <tbody> <tr> <td>1</td><td>beta-cynthia</td><td>cynthia</td><td>lazar</td></tr> <tr> <td>2</td><td>beta-stanisor</td><td>Simona</td><td>Stanisor</td></tr> <tr> <td>3</td><td>consip</td><td>Giancarlo</td><td>De Stefano</td></tr> <tr> <td>4</td><td>giancarlo.destefano@tesoro.it</td><td>Giancarlo</td><td>De Stefano</td></tr> <tr> <td>5</td><td>jwimmer</td><td>Johannes</td><td>Wimmer</td></tr> </tbody> </table>	« First   Previous   Next » 1 - 5 / 5				#	User name	First name	Last name	1	beta-cynthia	cynthia	lazar	2	beta-stanisor	Simona	Stanisor	3	consip	Giancarlo	De Stefano	4	giancarlo.destefano@tesoro.it	Giancarlo	De Stefano	5	jwimmer	Johannes	Wimmer								
« First   Previous   Next » 1 - 5 / 5																																					
#	User name	First name	Last name																																		
1	beta-cynthia	cynthia	lazar																																		
2	beta-stanisor	Simona	Stanisor																																		
3	consip	Giancarlo	De Stefano																																		
4	giancarlo.destefano@tesoro.it	Giancarlo	De Stefano																																		
5	jwimmer	Johannes	Wimmer																																		
2 User Adminstrator	<table border="1"> <thead> <tr> <th colspan="4">« First   Previous   Next » 1 - 7 / 7</th> </tr> <tr> <th>#</th><th>User name</th><th>First name</th><th>Last name</th></tr> </thead> <tbody> <tr> <td>1</td><td>beta-cynthia</td><td>cynthia</td><td>lazar</td></tr> <tr> <td>2</td><td>beta-leutgeb</td><td>Andrea</td><td>Leutgeb</td></tr> <tr> <td>3</td><td>beta-stanisor</td><td>Simona</td><td>Stanisor</td></tr> <tr> <td>4</td><td>consip</td><td>Giancarlo</td><td>De Stefano</td></tr> <tr> <td>5</td><td>giancarlo.destefano@tesoro.it</td><td>Giancarlo</td><td>De Stefano</td></tr> <tr> <td>6</td><td>jwimmer</td><td>Johannes</td><td>Wimmer</td></tr> <tr> <td>7</td><td>reinhard.pohn@paradine.at</td><td>Reinhard</td><td>Pohn</td></tr> </tbody> </table>	« First   Previous   Next » 1 - 7 / 7				#	User name	First name	Last name	1	beta-cynthia	cynthia	lazar	2	beta-leutgeb	Andrea	Leutgeb	3	beta-stanisor	Simona	Stanisor	4	consip	Giancarlo	De Stefano	5	giancarlo.destefano@tesoro.it	Giancarlo	De Stefano	6	jwimmer	Johannes	Wimmer	7	reinhard.pohn@paradine.at	Reinhard	Pohn
« First   Previous   Next » 1 - 7 / 7																																					
#	User name	First name	Last name																																		
1	beta-cynthia	cynthia	lazar																																		
2	beta-leutgeb	Andrea	Leutgeb																																		
3	beta-stanisor	Simona	Stanisor																																		
4	consip	Giancarlo	De Stefano																																		
5	giancarlo.destefano@tesoro.it	Giancarlo	De Stefano																																		
6	jwimmer	Johannes	Wimmer																																		
7	reinhard.pohn@paradine.at	Reinhard	Pohn																																		

Figure 247 List of Results

The pages of the group list can also be browsed via the [« First](#) [| Previous](#) [| Next »](#) [» Last »](#) links located at the top and at the bottom of the list.

### 19.11.2 Create Group

Visit menu [User Administrator] and click on [Group Management]. The list of groups is displayed:

User	»	Group Management															
Templates	»																
Structure element editor	»																
General	»																
User Administrator	«																
User Management																	
Group Management																	
Administrator	«																
Log Viewer																	
e-Mail Collector																	
<a href="#">Create group</a>																	
All	<a href="#">« First</a> <a href="#">  Previous</a> <a href="#">  Next »</a> <a href="#">» Last »</a>																
# # Preferred Name	Group chairman	Group members															
1 Administratoren		<table border="1"> <thead> <tr> <th colspan="3">« First   Previous   Next » 1 - 5 / 5</th> </tr> <tr> <th>#</th><th>User name</th><th>First name</th></tr> </thead> <tbody> <tr> <td>1</td><td>beta-cynthia</td><td>cynthia</td></tr> <tr> <td>2</td><td>beta-stanisor</td><td>Simona</td></tr> <tr> <td>3</td><td>consip</td><td>Giancarlo</td></tr> </tbody> </table>	« First   Previous   Next » 1 - 5 / 5			#	User name	First name	1	beta-cynthia	cynthia	2	beta-stanisor	Simona	3	consip	Giancarlo
« First   Previous   Next » 1 - 5 / 5																	
#	User name	First name															
1	beta-cynthia	cynthia															
2	beta-stanisor	Simona															
3	consip	Giancarlo															

Figure 248 List of Groups

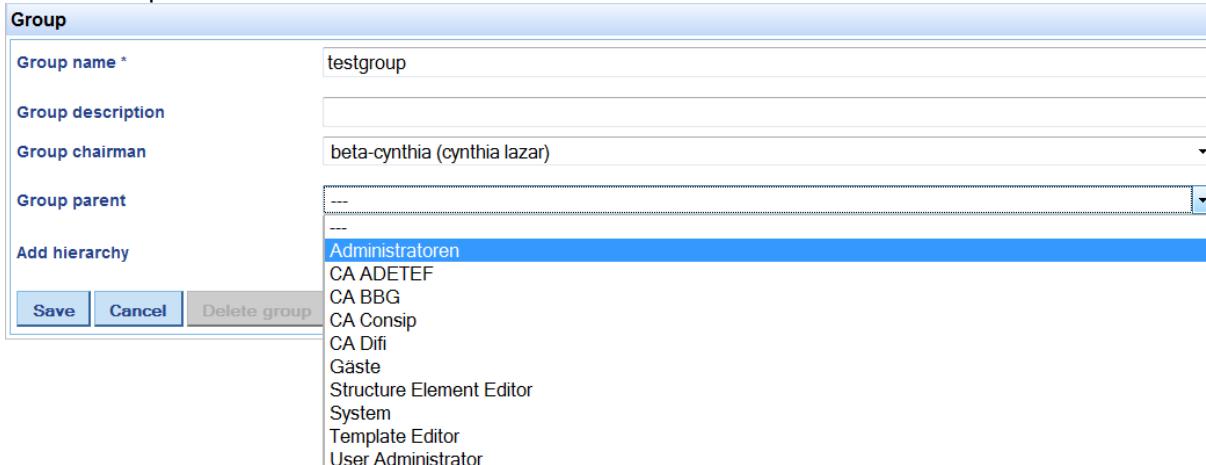
Click [Create group](#). The new group dialog is displayed:

Group	
Group name *	<input type="text"/>
Group description	<input type="text"/>
Group chairman	<input type="text"/>
Group parent	<input type="text"/>
Add hierarchy	<input type="text"/> <input type="button" value="Add"/>
<input type="button" value="Save"/> <input type="button" value="Cancel"/> <input type="button" value="Delete group"/>	

Figure 249 New Group Dialog



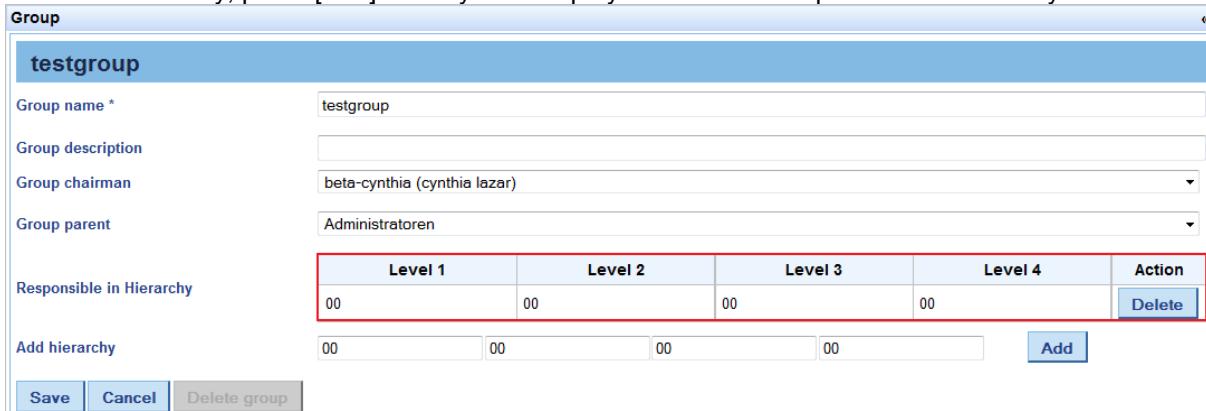
Enter at least the mandatory data. Type the group name and select the group chairman and group parent from the drop-down selector:



The screenshot shows a 'Group' configuration page. The 'Group name \*' field contains 'testgroup'. The 'Group chairman' dropdown is set to 'beta-cynthia (cynthia lazar)'. The 'Group parent' dropdown is open, showing a list of options including 'Administratoren', 'CA ADETEF', 'CA BBG', 'CA Consip', 'CA Difi', 'Gäste', 'Structure Element Editor', 'System', 'Template Editor', and 'User Administrator'. The 'Administratoren' option is highlighted. At the bottom are buttons for 'Save', 'Cancel', and 'Delete group'.

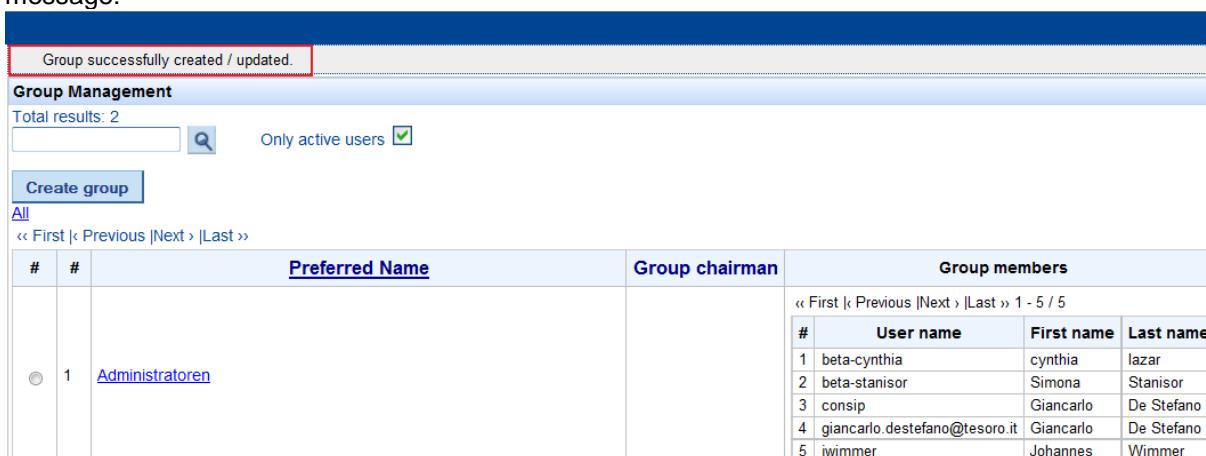
Figure 250 Group Details

To add a hierarchy, press [Add]. The system displays a deletable responsible in hierarchy:



The screenshot shows the 'Group Management' interface for the 'testgroup'. It includes fields for Group name, Group description, Group chairman, and Group parent. The 'Responsible in Hierarchy' section features a 4x4 grid table with columns labeled Level 1, Level 2, Level 3, Level 4, and Action. The first row has values '00' in all columns except Action, which has a 'Delete' button. Below this is an 'Add' button. At the bottom are 'Save', 'Cancel', and 'Delete group' buttons.

To create the group, press **Save**. The system returns to the list of groups and displays a confirmation message:



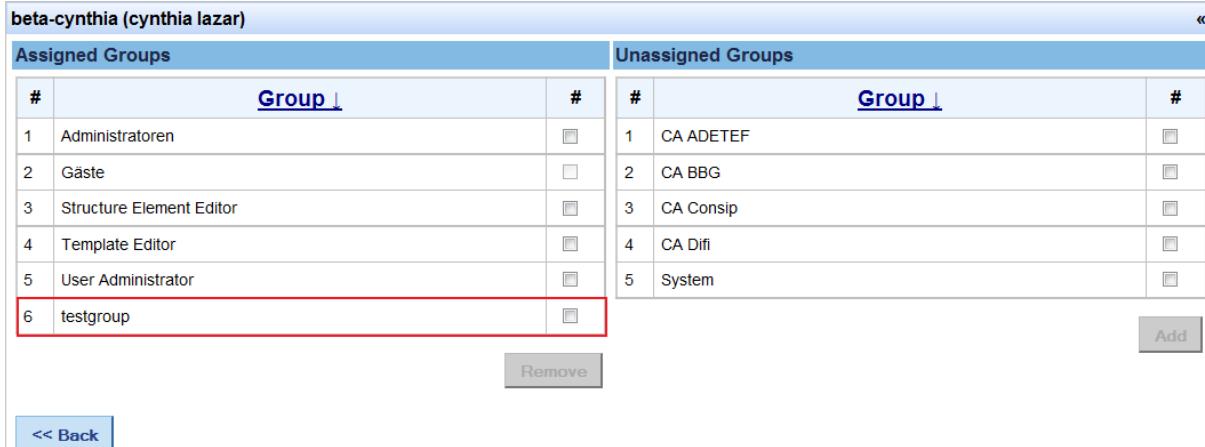
The screenshot shows the 'Group Management' list after saving. A blue header bar says 'Group successfully created / updated.' Below is a table with columns for Preferred Name, Group chairman, and Group members. The first group listed is 'Administratoren' (id 1). To the right of the table is a smaller table showing user details: User name, First name, and Last name. The data is as follows:

#	User name	First name	Last name
1	beta-cynthia	cynthia	lazar
2	beta-stanisor	Simona	Stanisor
3	consip	Giancarlo	De Stefano
4	giancarlo.destefano@tesoro.it	Giancarlo	De Stefano
5	jwimmer	Johannes	Wimmer

Figure 251 System Message

This group is now displayed in the groups of the connected user account:





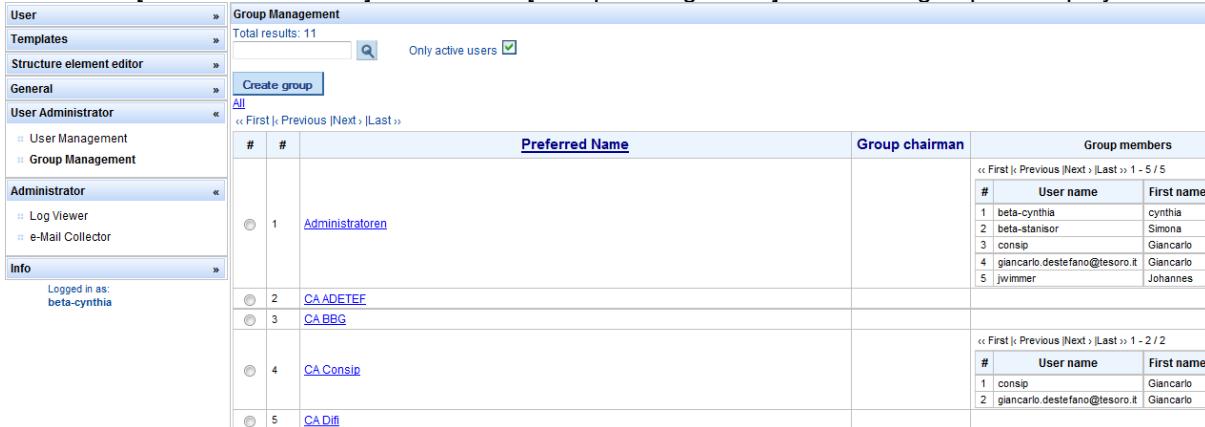
The screenshot shows a user interface for managing groups. On the left, under 'Assigned Groups', there is a table with columns '#', 'Group' (with a link), and '#'. The rows list 'Administratoren', 'Gäste', 'Structure Element Editor', 'Template Editor', 'User Administrator', and 'testgroup' (which is highlighted with a red border). On the right, under 'Unassigned Groups', there is another table with the same structure, listing 'CA ADETEF', 'CA BBG', 'CA Consip', 'CA Difi', and 'System'. Below the tables are 'Remove' and 'Add' buttons. At the bottom left is a 'Back' button.

Figure 252 Assigned Groups

### 19.11.3 Delete Group

**NB:** The Gäste group cannot be deleted.

Visit menu [User Administrator] and click on [Group Management]. The list of groups is displayed:



The screenshot shows a 'Group Management' page. On the left is a sidebar with 'User', 'Templates', 'Structure element editor', 'General', 'User Administrator' (selected), 'Administrator' (selected), 'Log Viewer', 'e-Mail Collector', and 'Info' (logged in as beta-cynthia). The main area shows a table of groups with columns '#', '#', 'Preferred Name', 'Group chairman', and 'Group members'. The groups listed are 'Administratoren' (1), 'CA ADETEF' (2), 'CA BBG' (3), 'CA Consip' (4), and 'CA Difi' (5). To the right of each group is a smaller table showing its members. Navigation links like 'First', 'Previous', 'Next', 'Last' are visible at the bottom of the main table.

Figure 253 List of Groups

Click the preferred name link of the targeted group in order to display the group details:





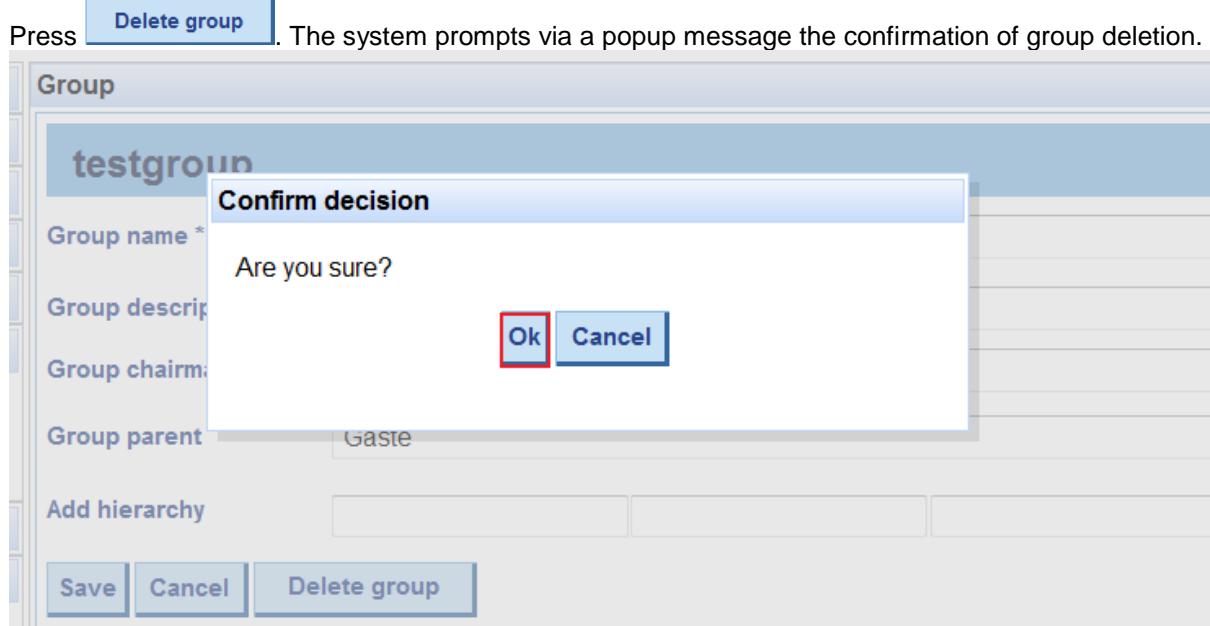
The screenshot shows the PEPPOL User Administrator interface. On the left, a sidebar menu includes options like User, Template Manager, Structure Template Manager, Structure element editor, General, User Administrator (selected), Administrator, Info, and About. The User Administrator section is expanded, showing User Management and Group Management. The main content area is titled 'Group' and displays a group named 'testgroup'. The group details are as follows:

- Group name \*: testgroup
- Group description: (empty)
- Group chairman: (empty)
- Group parent: Gäste
- Add hierarchy: (empty)

At the bottom of the form are three buttons: Save, Cancel, and Delete group (which is highlighted with a red border).

Figure 254 Group Details

Press **Delete group**. The system prompts via a popup message the confirmation of group deletion.



The screenshot shows the same User Administrator interface as Figure 254, but with a confirmation dialog box overlaid. The dialog box is titled 'Confirm decision' and contains the question 'Are you sure?'. It has two buttons: 'Ok' (highlighted with a red border) and 'Cancel'.

Figure 255 Confirmation of Group Deletion

Press OK and the system deletes the group returns to the list of groups.  
On group deletion all connections of users to the deleted group are destroyed.

#### 19.11.4 Edit Group

Visit menu [User Administrator] and click on [Group Management]. The list of groups is displayed:

User		Group Management		
Templates		Total results: 11		
Structure element editor		<input type="checkbox"/> Only active users <input checked="" type="checkbox"/>		
General		<a href="#">Create group</a>		
User Administrator		<a href="#">All</a>		
<a href="#">User Management</a>		<a href="#">Group Management</a>		
<b>Administrator</b>		<a href="#">Log Viewer</a>		
<a href="#">e-Mail Collector</a>				
<b>Info</b>				
Logged in as: beta-cynthia				

#	#	Preferred Name	Group chairman	Group members																		
1	Administratoren			« First < Previous   Next > Last » 1 - 5 / 5 <table border="1"> <thead> <tr> <th>#</th> <th>User name</th> <th>First name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>beta-cynthia</td> <td>cynthia</td> </tr> <tr> <td>2</td> <td>beta-stanisor</td> <td>Simona</td> </tr> <tr> <td>3</td> <td>consip</td> <td>Giancarlo</td> </tr> <tr> <td>4</td> <td>giancarlo.destefano@tesoro.it</td> <td>Giancarlo</td> </tr> <tr> <td>5</td> <td>jwimmer</td> <td>Johannes</td> </tr> </tbody> </table>	#	User name	First name	1	beta-cynthia	cynthia	2	beta-stanisor	Simona	3	consip	Giancarlo	4	giancarlo.destefano@tesoro.it	Giancarlo	5	jwimmer	Johannes
#	User name	First name																				
1	beta-cynthia	cynthia																				
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4	giancarlo.destefano@tesoro.it	Giancarlo																				
5	jwimmer	Johannes																				
2	CA ADETEF			« First < Previous   Next > Last » 1 - 2 / 2 <table border="1"> <thead> <tr> <th>#</th> <th>User name</th> <th>First name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>consip</td> <td>Giancarlo</td> </tr> <tr> <td>2</td> <td>giancarlo.destefano@tesoro.it</td> <td>Giancarlo</td> </tr> </tbody> </table>	#	User name	First name	1	consip	Giancarlo	2	giancarlo.destefano@tesoro.it	Giancarlo									
#	User name	First name																				
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2	giancarlo.destefano@tesoro.it	Giancarlo																				
3	CA BBG																					
4	CA Consip																					
5	CA Dif																					

Figure 256 List of Groups

Click the preferred name link of the targeted group in order to display the group details:

Group				
<b>testgroup</b>				
Group name *	testgroup			
Group description				
Group chairman	beta-cynthia (cynthia lazar)			
Group parent	Administratoren			
Responsible in Hierarchy	Level 1	Level 2	Level 3	Level 4
	00	00	00	00
Add hierarchy	<input type="button" value="Delete"/> <input type="button" value="Add"/>			
<input type="button" value="Save"/> <input type="button" value="Cancel"/> <input type="button" value="Delete group"/>				

Figure 257 Group Details

Edit the desired details. To save the changes, press . The system returns to the list of groups and displays a confirmation message:

Group successfully created / updated.																												
<b>Group Management</b>																												
Total results: 2	<input type="checkbox"/> Only active users <input checked="" type="checkbox"/>																											
	<a href="#">Create group</a>																											
All	<a href="#">All</a>																											
« First < Previous   Next > Last »																												
#	#	Preferred Name	Group chairman	Group members																								
1	Administratoren			« First < Previous   Next > Last » 1 - 5 / 5 <table border="1"> <thead> <tr> <th>#</th> <th>User name</th> <th>First name</th> <th>Last name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>beta-cynthia</td> <td>cynthia</td> <td>lazar</td> </tr> <tr> <td>2</td> <td>beta-stanisor</td> <td>Simona</td> <td>Stanisor</td> </tr> <tr> <td>3</td> <td>consip</td> <td>Giancarlo</td> <td>De Stefano</td> </tr> <tr> <td>4</td> <td>giancarlo.destefano@tesoro.it</td> <td>Giancarlo</td> <td>De Stefano</td> </tr> <tr> <td>5</td> <td>jwimmer</td> <td>Johannes</td> <td>Wimmer</td> </tr> </tbody> </table>	#	User name	First name	Last name	1	beta-cynthia	cynthia	lazar	2	beta-stanisor	Simona	Stanisor	3	consip	Giancarlo	De Stefano	4	giancarlo.destefano@tesoro.it	Giancarlo	De Stefano	5	jwimmer	Johannes	Wimmer
#	User name	First name	Last name																									
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5	jwimmer	Johannes	Wimmer																									

Figure 258 System Message

