

Collaborative Systems Lifecycle Management and Traceability

- CS9 -



User Guide – V1

BPA Delivery 6 for V5R19 (V5.6)

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1. Introduction

This document describes the user guide for the BPA Collaborative Systems Lifecycle Management and Traceability.

This document is divided into the following sections:

- Collaborative Systems Lifecycle Management and Traceability overview
- Collaborative Systems Lifecycle Management and Traceability Link control user guide
- Collaborative Systems Lifecycle Management and Traceability History Management and Audit User Guide
- Collaborative Systems Lifecycle Management and Traceability Traceability Matrix
- Collaborative Systems Lifecycle Management and Traceability Undelete

1.1. *Scope and purpose*

Systems Lifecycle Management and Traceability (SLM&T) provides key services for end to end, cross discipline, full life cycle management and traceability from Requirements to Product. It Covers Life cycle management of all systems engineering objects, history and audit trail, change management, control and justification tools. By tracing in specific tables the history of all objects and by controlling the links, it is possible for the user to justify all his actions through decision objects, and recover traceability reports showing the exact links between all objects. Additional services allow to undo delete operations and to control requirement revisions and change.

SLM&T capabilities are essential for companies that need to insure complete traceability and answer regulations. It offers:

- **Compliance to Standards and Maturity Models**
 - Offers systematic tools to insure compliance to SE standards such as EIA 632, ISO 15288, ...
 - Change management, configuration management and traceability insures compliance with CMMI and other SE Maturity Models (EIA 731, SECAM)
- **A Controlled and Justified approach**
 - Traceability and Control eases the V&V and certification process.
 - Adding Justification information allows to explicit the Design Rationale and to trace not only requirements but why such requirements.
 - Impact analysis and change control allows efficient cost-effective design.

1.2. *Related Documentation*

There documents give complementary useful information for daily use of the BPA.

- Collaborative Systems Engineering – License Use Management
- Collaborative Systems Engineering – Data Model Documentation
- Collaborative Systems Engineering – Requirement Management Implementation guide

- ENOVIA SmarTeam - Editor Installation Guide
- ENOVIA SmarTeam - Editor Administrator Guide
- ENOVIA SmarTeam - Editor User Guide

- ENOVIA SmarTeam - Foundation Installation Guide
- ENOVIA SmarTeam - Foundation Administrator Guide
- ENOVIA SmarTeam - Foundation User Guide

1.3. Definitions

1.3.1. Glossary

Acronym	Definition
BPA	Business Process Accelerator
PDIR	Program Directory
CSE	Collaborative System Engineering

Table 1 - Acronyms

1.3.2. Pictograms


























Symbol	Usage
	Create primary requirement
	Creating primary requirements from MS Clipboard
	Decomposing requirements
	Derived Requirement
	Updating requirements
	View requirements change history
	Provide requirement history report
	Requirements Module
	Requirements Chapter
	Trace to original document
	Allocate requirement to test and validation plan
	Allocate requirement to function
	Allocate a requirement to a system
	Declare a requirement to requirement dependency
	Publishing a report matrix
	Publishing a requirements document into Word
	Reordering
	Capture Text Requirement
	Capture Picture Requirement
	Markup requirements for capture
	Automatic requirements capture
	Reset Global
	Requirement Folder
	Unallocated objects
	Generate Traceability Matrix

Table 2 - Pictograms

2. Collaborative Systems Lifecycle Management and Traceability overview

2.1. Functional overview

SML&T provides the following functionalities:

➤ **Link control & justification**

The link control and justification capabilities allow to capture the rationale of related objects to any design activities and to capitalize on this capture knowledge at any design step.

This includes the capabilities to:

- Control link creation, deletion and modification by asking confirmation on those operations.
- Explicit the nature of the links created: “satisfies”, “justifies” ... by typing the links. And expressing the direction of the Link: who is target, who is source.
- This capability of “link control” can be configured for all links in the database (hierarchical and general links).
- Allow the creation of Decisions on links ranging from a simple commentary to the attachment of a document.
- Depending on customer process, decision can be applied to any SmarTeam relation or object. The creation of a Decision can for example be done from one or more Requirements, one or more Functions, etc.

➤ **History Management**



SLM&T is tracking any requirements modification so we can access at any time to the modification history directly in SLM&T.



SLM&T is tracking any modification so we can make object audit and trail reports through the SMARTQUICKREPORT ability.

➤ **Traceability matrix**



Three matrices are defined by default:

The first traceability matrix shows the requirements to requirements allocations (Requirements dependencies). This matrix allows, for example to control the impact of a requirement modification.

The second traceability matrix is showing the requirements to functions allocation (Requirements - Functions dependencies). This matrix allows controlling the impact of a requirement modification on the functional definition of the product.

The third traceability matrix is showing the functions to system allocation (Functions - Systems dependencies).

This matrix allows controlling the impact of a functional modification on the system architecture definition of the product.

➤ **Undelete**

The Undelete functionality secures the delete operation by offering a Recycle Bin system to allow restoring objects deleted by mistake.

3. User Interface presentation

3.1. Collaborative Systems Lifecycle Management and Traceability Link control user guide

Link control can be configured on certain links by the administrator. It can be defined on hierarchical links (composition links in a tree) or logical links (all the other links). In the example below, link control is configured on the Requirement – Requirement general (logical) link.

When Link control is configured, each time you create, update or delete a link, the link control window pops up.

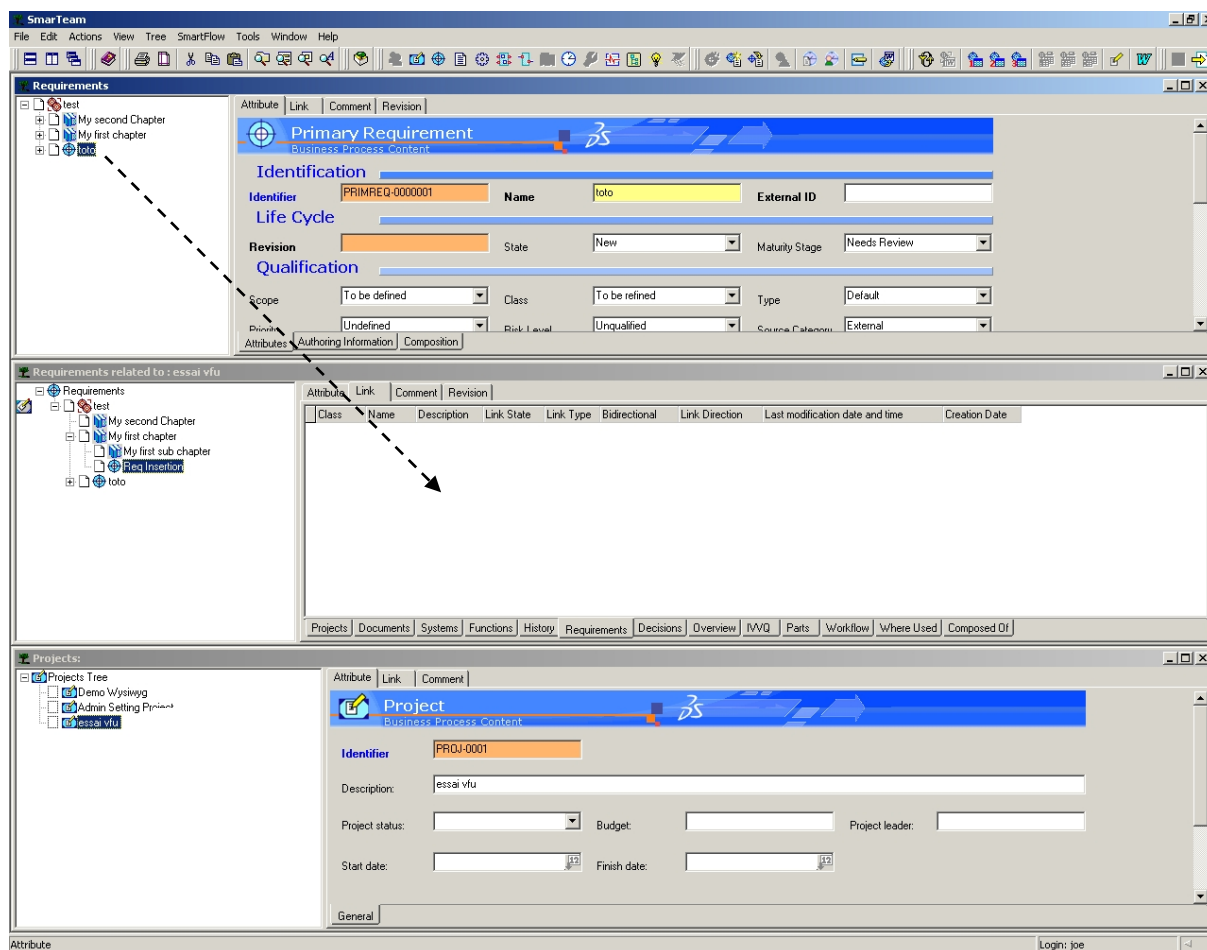
By default, the CSE solution is provided with that mechanism hooked on requirements-requirements links and requirements-functions links.

3.2. Adding a decision to a general or hierarchical link

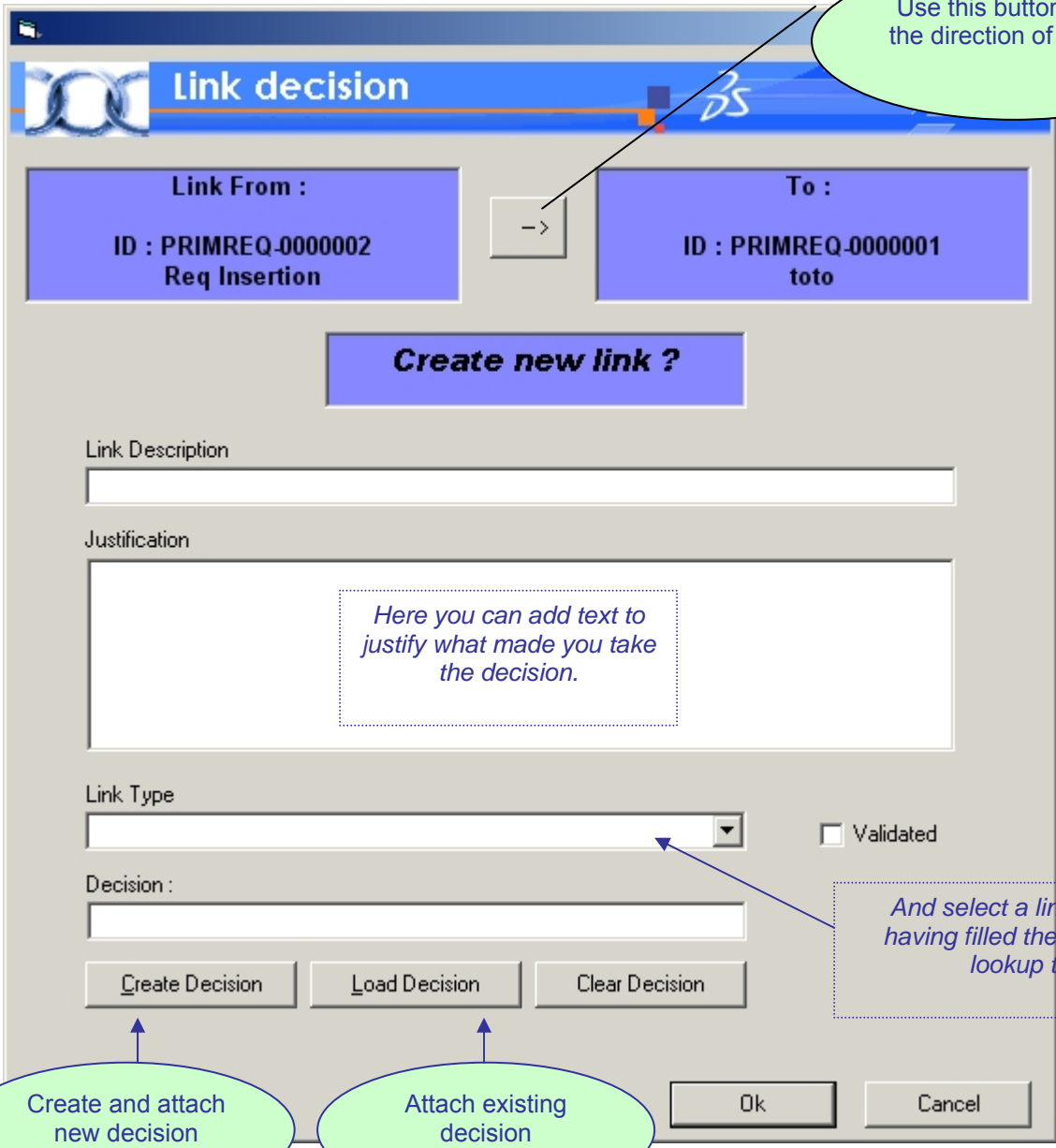
3.2.1. Function description

When creating a general link between two objects, the link control will pop up, the user being required to fill in some information.

To create a link between two requirements for instance, you can drag one requirement in the Link tab of the other:



Here is the window you would get:

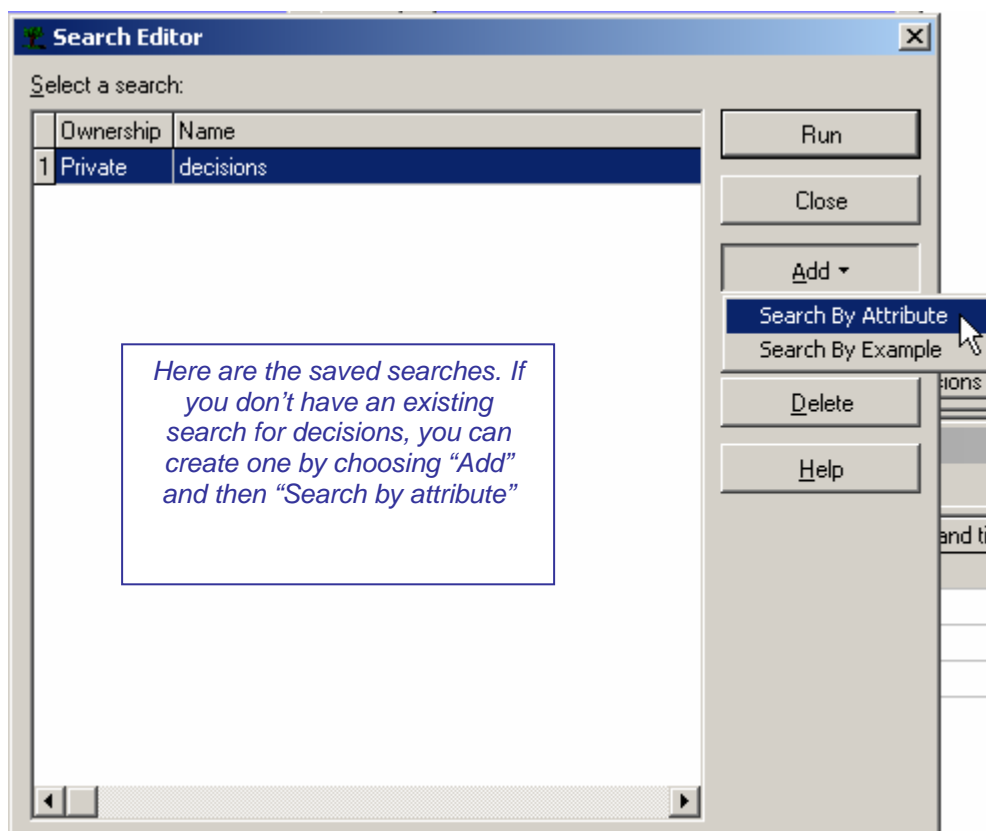


The screenshot shows the 'Link decision' window. At the top, there's a title bar with the Dassault Systèmes logo. Below it, the window is divided into two main sections. The left section is labeled 'Link From :' and contains the text 'ID : PRIMREQ-0000002' and 'Req Insertion'. The right section is labeled 'To :' and contains the text 'ID : PRIMREQ-0000001' and 'toto'. Between these two sections is a small button with a right-pointing arrow. A green oval callout points to this button with the text 'Use this button to set the direction of the link'. Below these sections is a button labeled 'Create new link ?'. Underneath that is a text field for 'Link Description'. Below that is a larger text area for 'Justification' with a dotted border and the text 'Here you can add text to justify what made you take the decision.' Below the justification area is a 'Link Type' dropdown menu. A blue arrow points to this dropdown with a callout box containing the text 'And select a link type after having filled the appropriate lookup table'. To the right of the dropdown is a checkbox labeled 'Validated'. Below the dropdown is a 'Decision :' text field. At the bottom of the window are three buttons: 'Create Decision', 'Load Decision', and 'Clear Decision'. Two green oval callouts point to these buttons: one to 'Create Decision' with the text 'Create and attach new decision', and one to 'Load Decision' with the text 'Attach existing decision'. At the very bottom are 'Ok' and 'Cancel' buttons.

If you want to set a different direction than the one by default, you simply click on the direction icon. Between two objects A and B, you can have:

- A link from A to B (A → B)
- A link from B to A (B → A)
- A no directional link (when there is no source and no target)

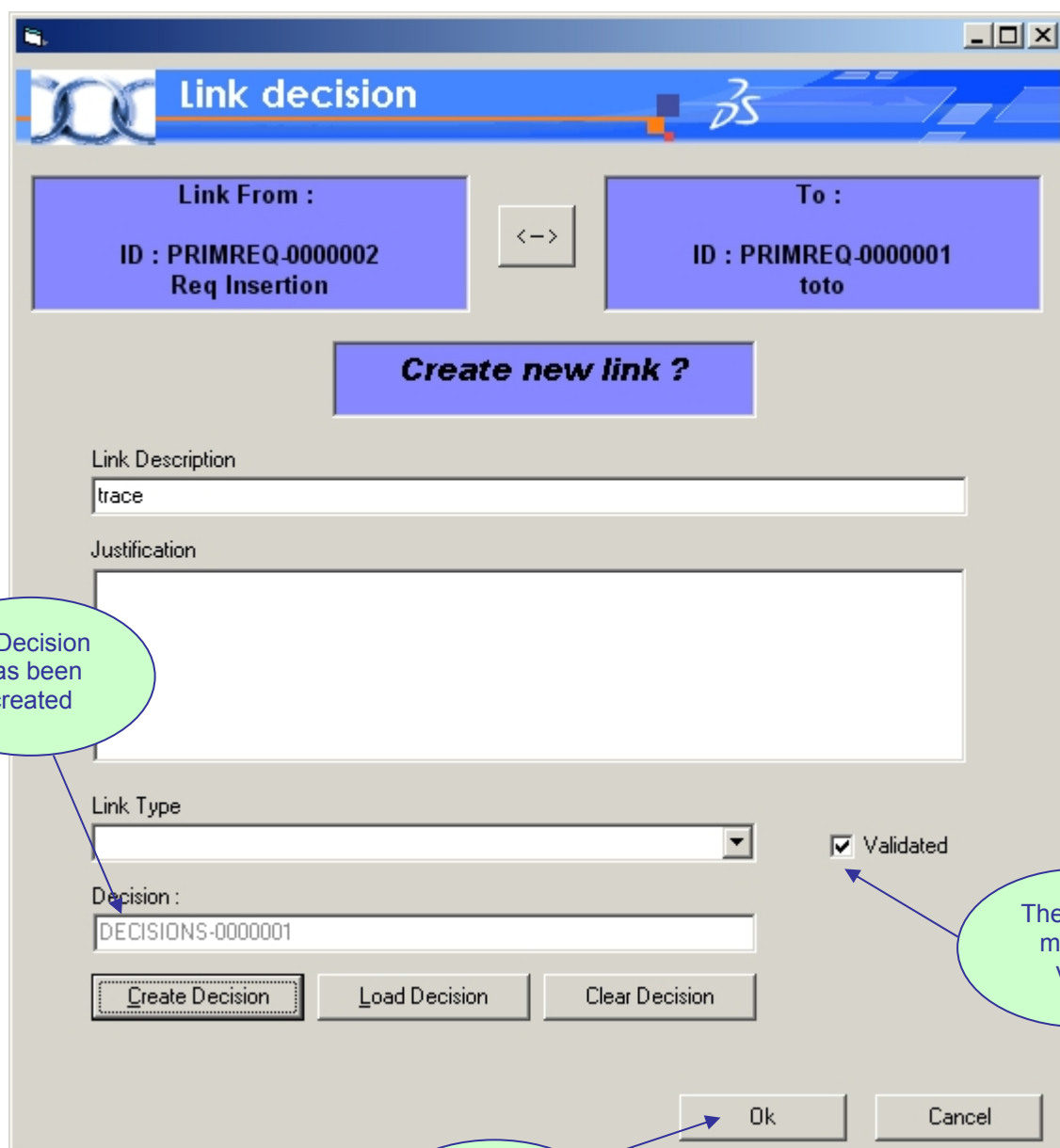
To attach an existing decision, when clicking on the load decision button, you will access to the following search window:



In case you create a search, you will have to choose the decision class as a search attribute as shown below, and for better convenience you may save this search if you wish to use it later.



Then once all attributes are filled you may press ok to generate the link :



The screenshot shows the 'Link decision' dialog box. It has a title bar with the Dassault Systèmes logo and the text 'Link decision'. The main area contains the following fields and controls:

- Link From :** ID : PRIMREQ-0000002, Req Insertion
- To :** ID : PRIMREQ-0000001, toto
- A button with '<->' between the 'Link From' and 'To' fields.
- A button labeled 'Create new link ?'.
- Link Description:** A text box containing 'trace'.
- Justification:** A large empty text box.
- Link Type:** A dropdown menu.
- Decision :** A text box containing 'DECISIONS-0000001'.
- A checkbox labeled 'Validated' which is checked.
- Buttons: 'Create Decision', 'Load Decision', 'Clear Decision', 'Ok', and 'Cancel'.

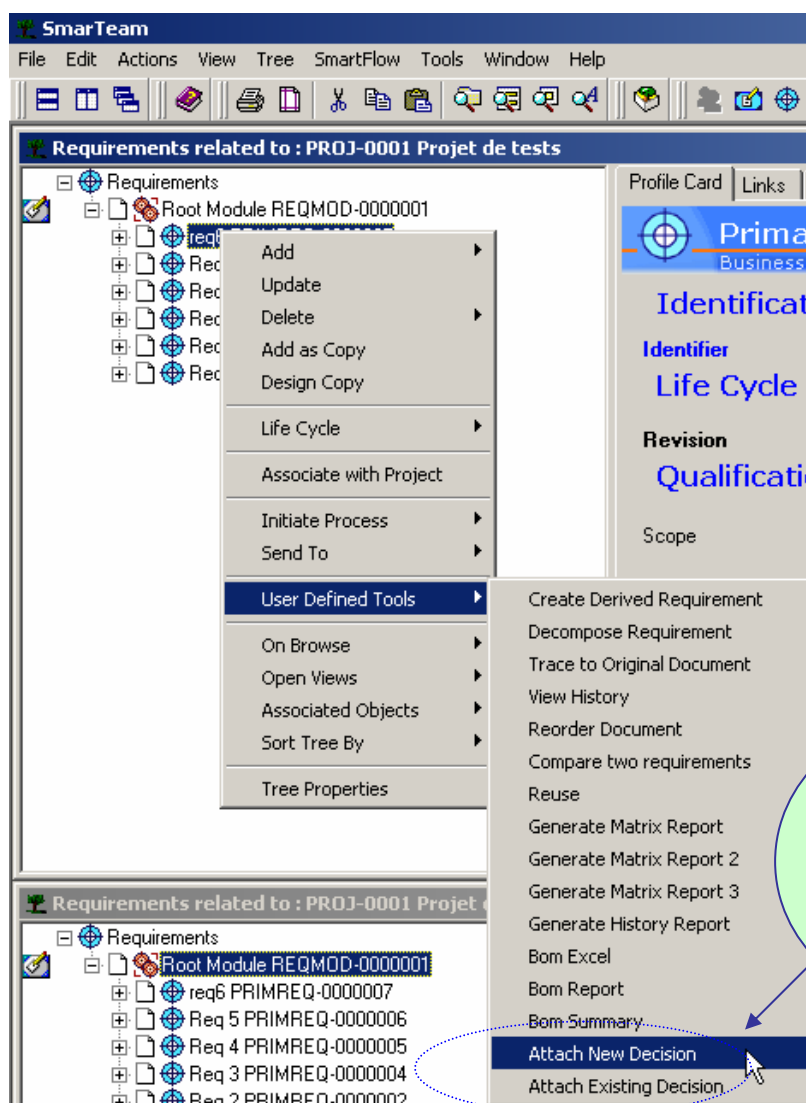
Annotations (green circles with arrows) point to the following elements:

- 'A Decision has been created' points to the 'Decision :' text box.
- 'The Link is marked valid' points to the 'Validated' checkbox.
- 'You may now press ok' points to the 'Ok' button.

3.3. Adding a decision to an object

3.3.1. Function description

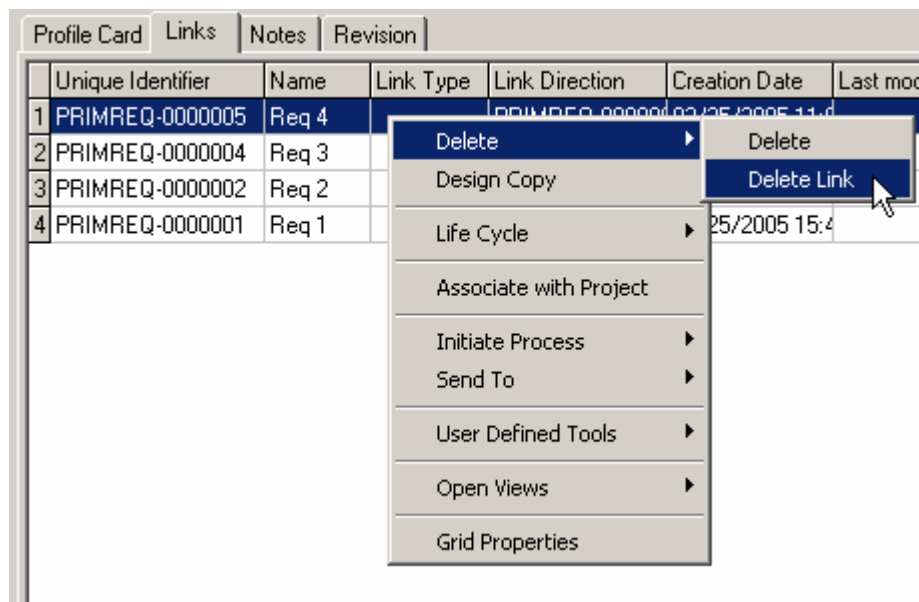
Adding a decision to an object is done by selecting a function in the “user defined tools” contextual menu.



3.4. Delete a link

3.4.1. Function description

All links created can be deleted. It is simply done by selecting Delete Link in the contextual menu of a link as on the picture below:



Deleting a link

Then the Link Control interface pops up to ask delete confirmation. Once confirmed by the user, the link is deleted.

4. Collaborative Systems Lifecycle Management and Traceability History Management and Audit User Guide



SLM&T is providing a full traceability of the modifications and to log them in the database, SLM&T is able to track and to log all the modifications in the database as electronic record objects.

The system administrator can define in all the modifications that are going to be tracked and logged in the database (Add, Update, Delete...)

History Management is the ability to track modifications

- Description of change
- Modification date
- User who made the modification
- ...

Notes

SLM&T is providing the capability to track and log all modifications description (when / who / what) at an **UPDATE/DELETE/ADD...** operation on any kind of objects (Requirements per default). History functions can be associated to all the objects inside the data model.

Refer to SLM&T Administration guide documentation for further detail about customizing your application.



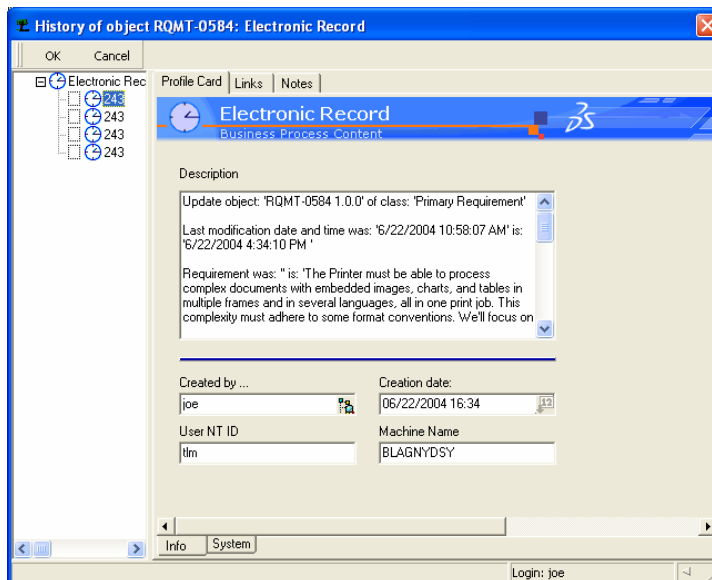
4.1. History view

4.1.1. Function description

- Multi selection is not allowed for history view command
- Show directly in a pop up windows all modifications for a selected object
- For each attributes, the system display older value and the new one.

From a tracked object (Primary requirement for example), Click on the History view function and SLM&T will display all the modification performed on the object in a popup window

RQMT-0716 1.0.0 Module Specifications
RQMT-0604 1.0.0 Controls and using
RQMT-0584 1.0.0 Printer Languages

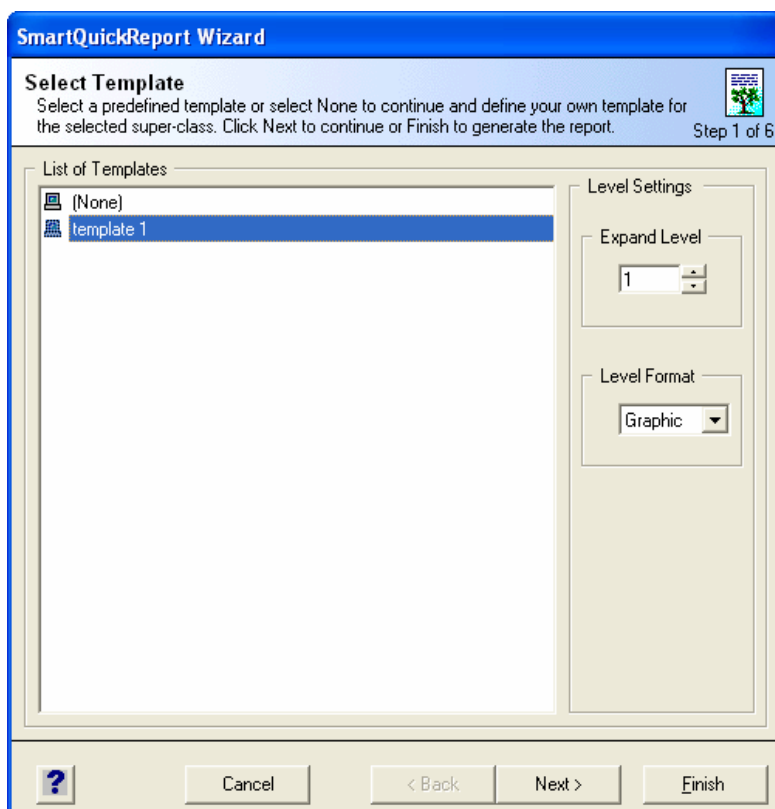
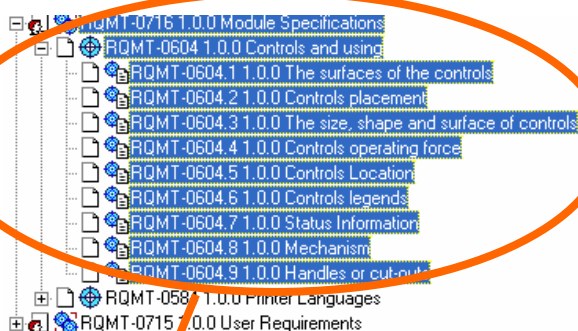


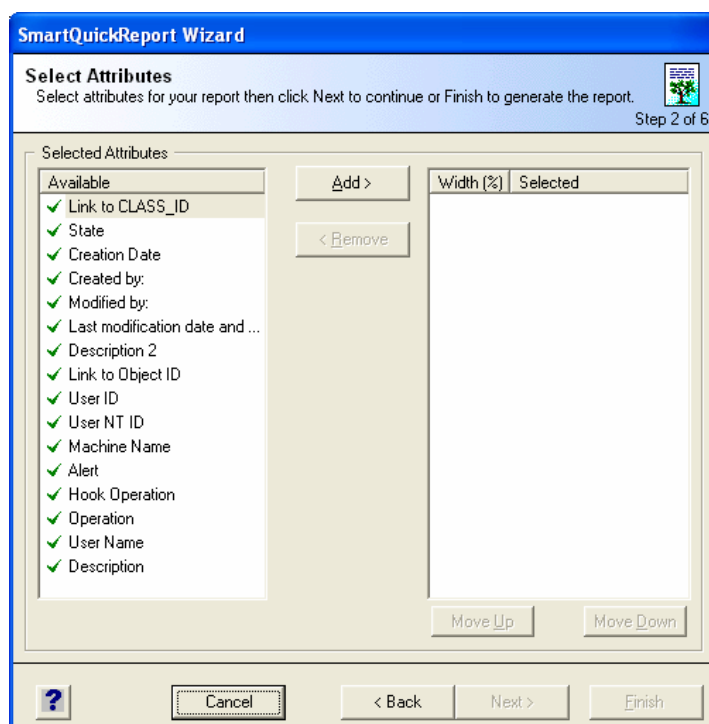
4.2. History report

4.2.1. Function description

- Available for a set of objects (one to n)
- Export through SmartQuickReport the history objects
- Select the attributes to display inside the report
- Possibility to create Report Template's
- Possibility to export into a file (Excel, Word)

From a multiselection of tracked object, Click on the History Report icon to launch the SmartQuickReport function, select your template or create a new one then click on finish to generate the report.





SmartQuickReport Wizard

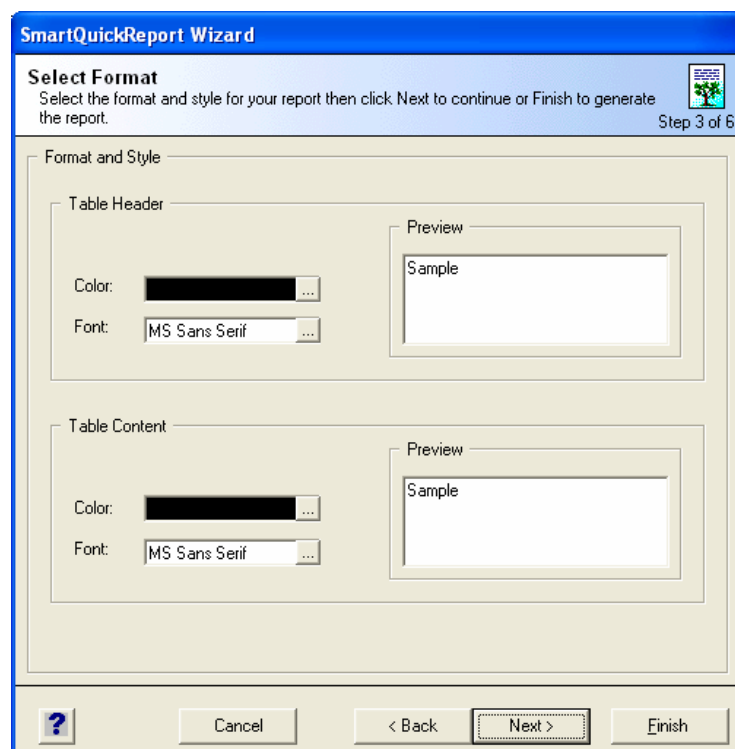
Select Attributes
Select attributes for your report then click Next to continue or Finish to generate the report. Step 2 of 6

Selected Attributes

Available	Add >	Width (%)	Selected
✓ Link to CLASS_ID			
✓ State			
✓ Creation Date			
✓ Created by:			
✓ Modified by:			
✓ Last modification date and ...			
✓ Description 2			
✓ Link to Object ID			
✓ User ID			
✓ User NT ID			
✓ Machine Name			
✓ Alert			
✓ Hook Operation			
✓ Operation			
✓ User Name			
✓ Description			

Buttons: ? Cancel < Back Next > Finish

Choose the attributes you want to publish in the document and add them in the right column then click next.



SmartQuickReport Wizard

Select Format
Select the format and style for your report then click Next to continue or Finish to generate the report. Step 3 of 6

Format and Style

Table Header

Color: [Color Picker] Font: MS Sans Serif

Preview: Sample

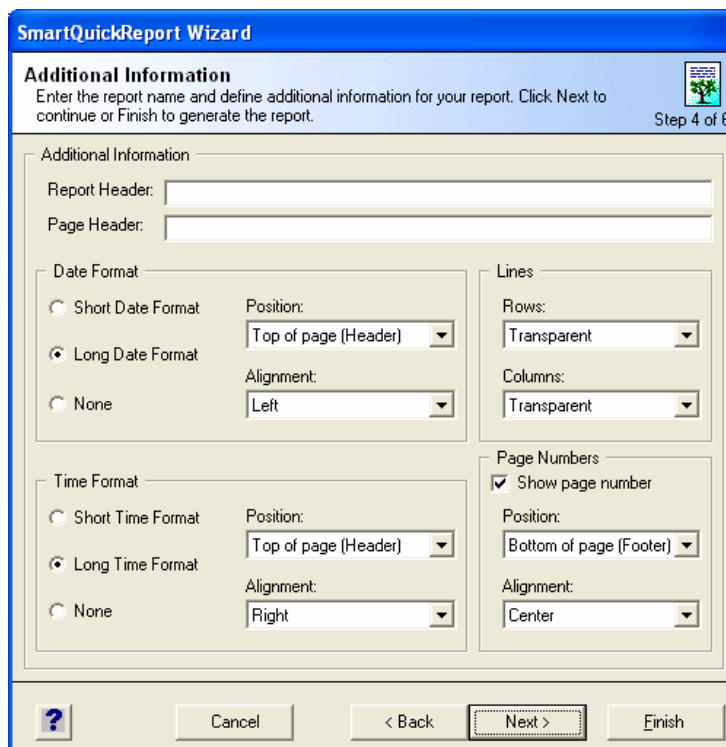
Table Content

Color: [Color Picker] Font: MS Sans Serif

Preview: Sample

Buttons: ? Cancel < Back Next > Finish

Modify the formatting style of your document and click next.



SmartQuickReport Wizard

Additional Information
Enter the report name and define additional information for your report. Click Next to continue or Finish to generate the report. Step 4 of 6

Additional Information

Report Header:

Page Header:

Date Format

☐ Short Date Format Position:

☒ Long Date Format Alignment:

☐ None

Lines

Rows:

Columns:

Time Format

☐ Short Time Format Position:

☒ Long Time Format Alignment:

☐ None

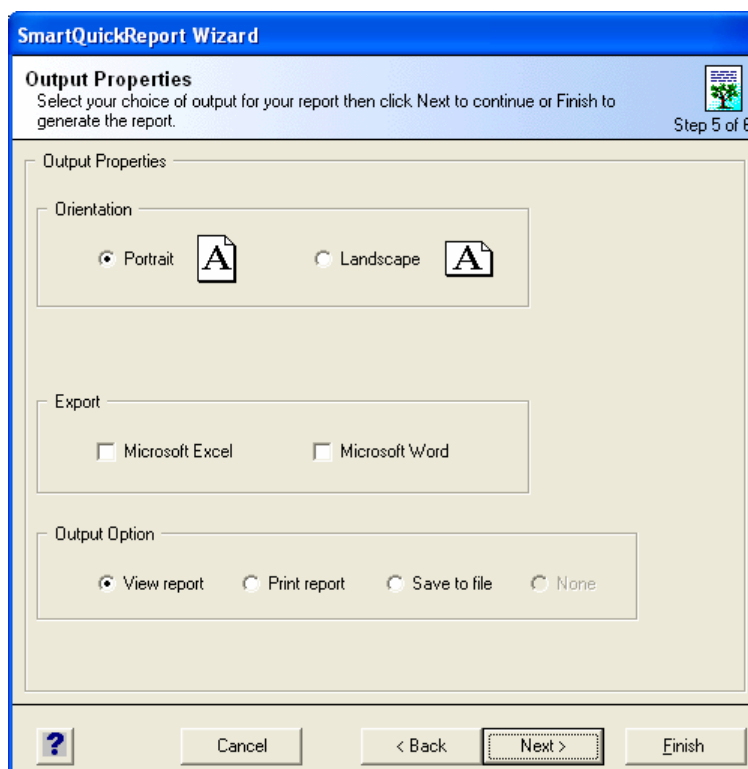
Page Numbers

☒ Show page number

Position:

Alignment:

Modify the formatting of your document and click next.





SmartQuickReport Wizard

Output Properties
Select your choice of output for your report then click Next to continue or Finish to generate the report. Step 5 of 6

Output Properties

Orientation

☒ Portrait  ☐ Landscape 

Export

☐ Microsoft Excel ☐ Microsoft Word

Output Option

☒ View report ☐ Print report ☐ Save to file ☐ None

Choose where you want to export your document (Excel, Word...) then click Finish to effectively publish the report.

	A	B	C	D	E
1	LEVEL	Link to CLAS Hook Operat		Description	
2	*	243 Add		Add object: 'RQMT-0584 1.0.0' of class: 'Primary Requirement'	
				Update object: 'RQMT-0584 1.0.0' of class: 'Primary Requirement'	
				Modified by: was: " is: 'joe '	
				Last modification date and time was: '12:00:00 AM' is: '6/21/2004 2:28:45 PM '	
				Source Requirement was: 'The Printer must be able to process complex documents with embedded images, charts, and tables in multiple frames and in several languages, all in one print job. This complexity must adhere to some format conventions. We'll focus on the page description language (or PDL) which is a specialized document formatting language specially made for computer communication with printers.	
				We'll use standard languages to describe document formats such as PostScript, which uses a markup language to describe text formatting and image information that could be processed by printers, or the Printer Control Language (PCL).	
				PostScript and PCL are widely adopted PDLs and are used by most printer manufacturers.	
				PDLs work on the same principle as computer programming languages. When a document is ready for printing, the PC or workstation takes the images, typographical information, and document layout, and uses them as objects that form instructions for the printer to process. The printer then translates those ' is: 'The Printer must be able to process complex documents with embedded images, charts, and tables in multiple frames and in several languages, all in We'll use standard languages to describe document formats such as PostScript, which uses a markup language to describe text formatting and image info PostScript and PCL are widely adopted PDLs and are used by most printer manufacturers.	
				PDLs work on the same principle as computer programming languages. When a document is ready for printing, the PC or workstation takes the images, ty	

5. Collaborative Systems Lifecycle Management and Traceability

Traceability Matrix

The traceability matrix report applies for any two classes of objects which have a general link between them: for example the Requirements-Requirements traceability matrix.

The Requirements-Requirements traceability matrix is a report from the requirements database or repository. The Requirements-Requirements traceability Matrix is used to verify that all started and derived requirements are allocated to system components and other deliverables (forward trace). The matrix is also used to determine the source of requirements (backward trace). Requirements traceability includes tracing to things that satisfy the requirements such as capabilities, design elements, manual operations, tests, etc.

The traceability matrix is also used to ensure all requirements are met and to locate affected system, function components when there is a requirements change. The ability to locate affected objects allows the impact of requirements changes on the system and functional definition to be determined, facilitating cost, benefit, and schedule determinations. The purpose of a requirements traceability matrix is to help ensure the object of the requirements conforms to the requirements by associating each requirement with the object via the traceability matrix.

Systems or Software are developed in stages, each with products that can be associated with products of the previous stage, creating the ability to trace from the requirements through the products and from the products back to the requirements.

In SLM&T, three traceability matrices are configured by default:

- the Requirements-Requirements traceability matrix
- the Requirements-Functions traceability matrix
- the Functions-Systems traceability matrix

But using Admin Settings, the administrator can create any traceability matrix needed between two SmarTeam classes which have a general link between them.

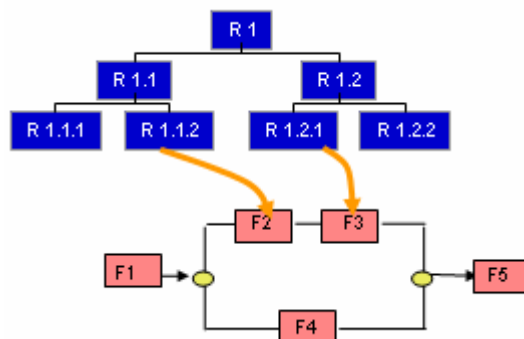
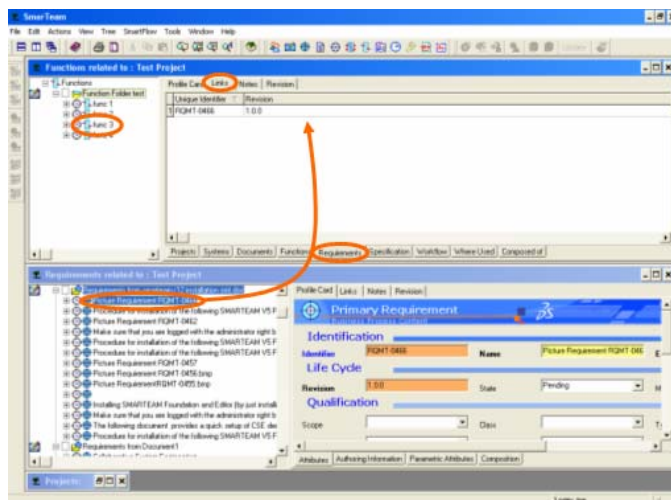
The user can customize:

- the title of the matrix
- the two classes of objects
- the mode of selection of the objects of the two classes (all objects in current project, a sub-selection, all objects in different projects or a sub-selection of objects in different projects)
- the attributes of class objects to display in row header and column header (i.e TDM_ID or TDM_DESCRIPTION)
- the link class attributes to display in cells (each on a different line in the cell)
- the Excel template used for report
- the mode of parsing in tree objects (Drilldown)
- the attribute to display with colors
- a condition for a link class attribute that must be verified

5.1. *Allocate Requirements to Functions*

5.1.1. *Function description*

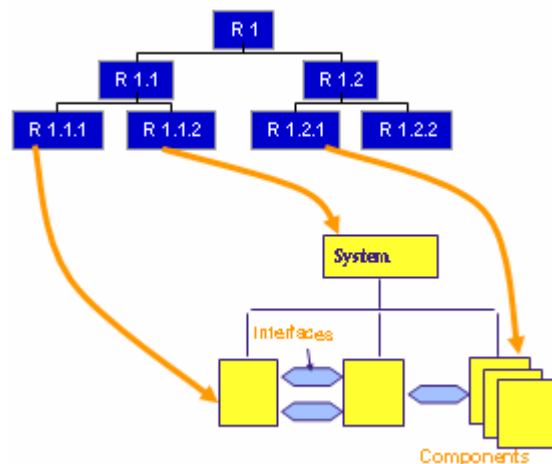
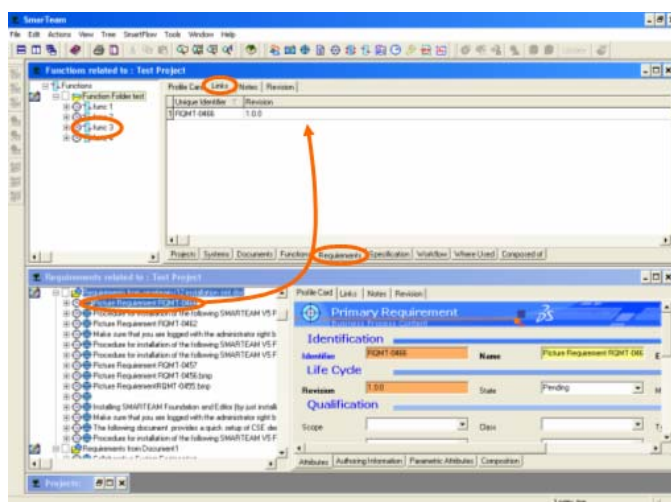
Allocating requirements to functions consists in creating general links between a requirement and a function.



5.2. Allocate Requirements to Systems

5.2.1. Function description

Allocating requirements to systems consists simply in creating a general links between a requirement and a system.



Notes

You can create such links in ENOVIA SmarTeam very easily by just using Drag and Drop feature.

5.3. Requirements to Requirements traceability matrix



5.3.1. Function description

The first traceability Matrix is showing the requirements to requirement allocation (Requirements dependencies). This matrix allows controlling the impact of a requirement modification for example. This matrix is required during the validation loop. This publishing operation is using a company template for document formatting purpose.

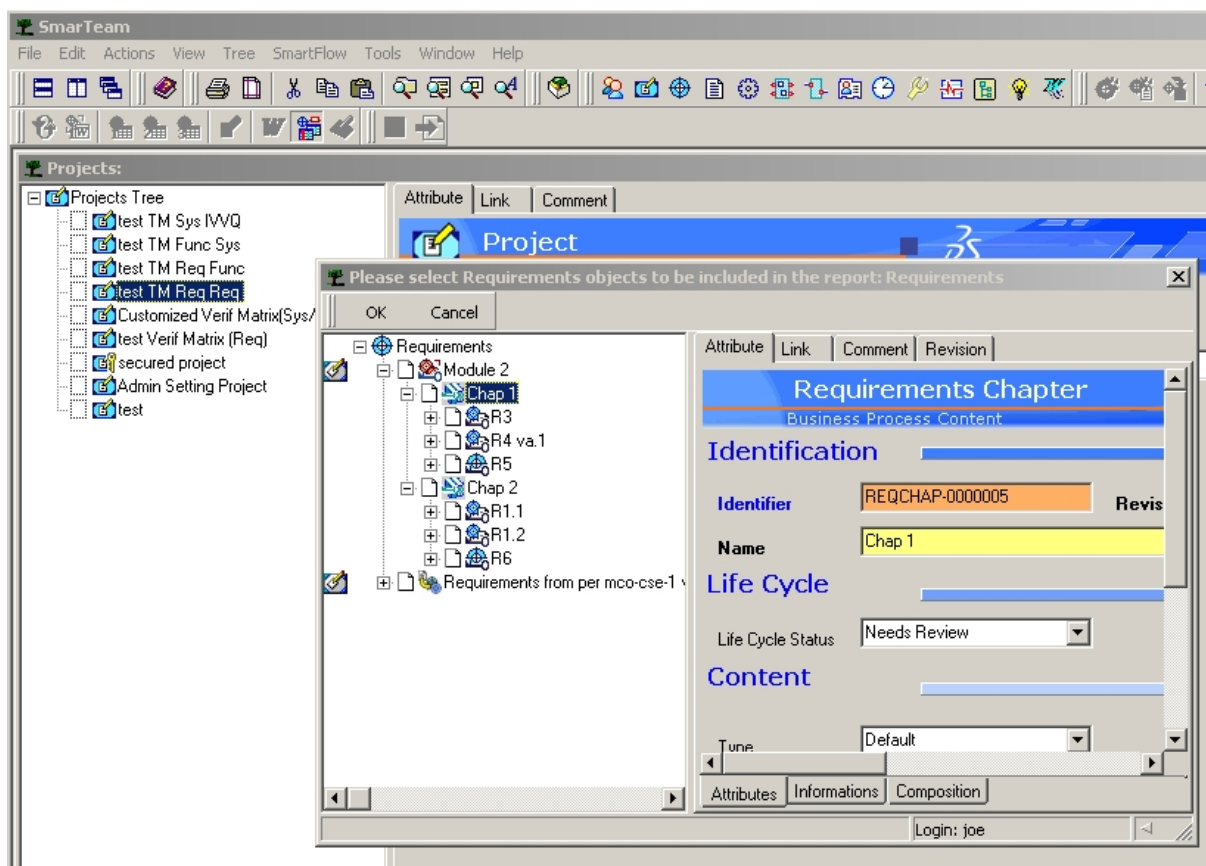
- With Automatic selection configured in admin settings for the 2 classes (SELECTALL mode)

From the project tree view you select a project and then you click on the “Generate traceability matrix” Icon. A GUI is displayed. Select Traceability matrix 1-and you will get the resulting matrix: You will see the validated allocations with green color, and the suspect allocations with red color as customized by default admin settings

Requirements-Requirements Matrix								
	R1	R2	R5	R3	R4 va.1	R6	R1.1	R1.2
R1							Validated Decompose s to →↑ Directional	Validated Decompose s to →↑ Directional
R2				Validated Derives to →↑ Directional	Suspect Derives to →↑ Directional			
R5						Validated Impacts →↑ Directional		
R3		Validated Derives to →↑ Directional						
R4 va.1		Suspect Derives to →↑ Directional					Suspect Impacts →↑ Directional	
R6			Validated Impacts →↑ Directional					
R1.1	Validated Decompose s to →↑ Directional				Suspect Impacts →↑ Directional			
R1.2	Validated Decompose s to →↑ Directional							

- With Manual selection configured in admin settings (MANUAL mode) for first class and Automatic selection for second class (SELECTALL mode)

From the project tree view you select a project and then you click on the “Generate traceability matrix” Icon. A GUI is displayed. Select Traceability matrix 1. For the class object configured with manual selection, you have to select the objects used for report (i.e Chap1 for the Requirements first class in the example below)

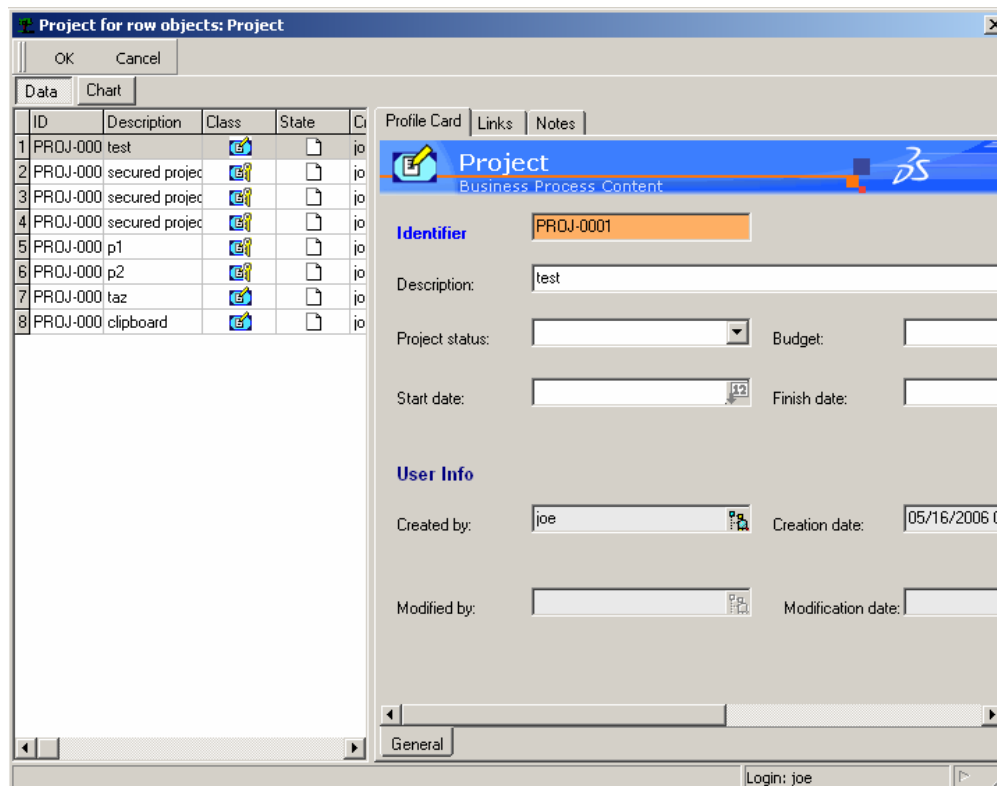


and then you will get the resulting matrix:
You will see the validated allocations with green color, and the suspect allocations with red color as customized in admin settings by default

Requirements-Requirements Matrix								
	R1	R2	R5	R3	R4 va.1	R6	R1.1	R1.2
R5						Validated Impacts ⇒ ⇕ Directional		
R3		Validated Derives to ⇕ ⇕ Directional						
R4 va.1		Suspect Derives to ⇕ ⇕ Directional					Suspect Impacts ⇒ ⇕ Directional	

- With Automatic selection for different project configured in admin settings for the 2 classes (PROJECTSELECTALL mode)

From the project tree view you select a project and then you click on the “Generate traceability matrix” Icon. A GUI is displayed. Select Traceability matrix 1. You have to select the first project as displayed below.

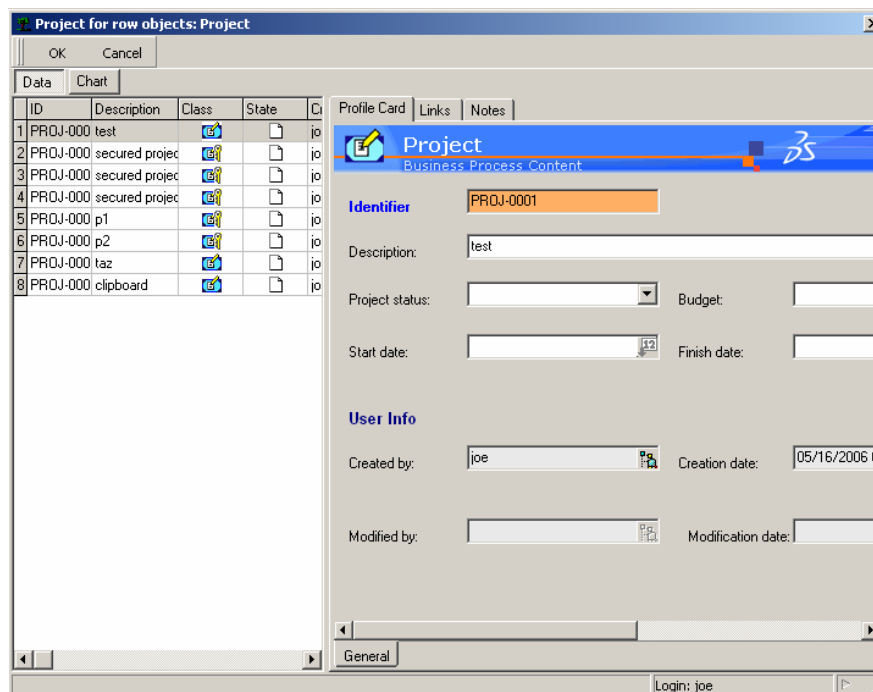


Then select the other project for the row elements and then you will get the resulting matrix:

<i>Requirements-Requirements Matrix</i>								
	R1	R2	R5	R3	R4 va.1	R6	R1.1	R1.2
R5						Validated Impacts ⇒ ⇌ Directional		
R3		Validated Derives to ⇌ ⇌ Directional						
R4 va.1		Suspect Derives to ⇌ ⇌ Directional					Suspect Impacts ⇒ ⇌ Directional	

- With Manual selection for different project configured in admin settings for the 2 classes (PROJECTSELECTMANUAL mode)

From the project tree view you select a project and then you click on the “Generate traceability matrix” Icon. A GUI is displayed. Select Traceability matrix 1. You have to select the first project as displayed below.



ID	Description	Class	State	C
1	PROJ-000 test	U		jo
2	PROJ-000 secured project	U		jo
3	PROJ-000 secured project	U		jo
4	PROJ-000 secured project	U		jo
5	PROJ-000 p1	U		jo
6	PROJ-000 p2	U		jo
7	PROJ-000 taz	U		jo
8	PROJ-000 clipboard	U		jo

Project
Business Process Content

Identifier: PROJ-0001

Description: test

Project status: **Budget**:

Start date: **Finish date**:

User Info

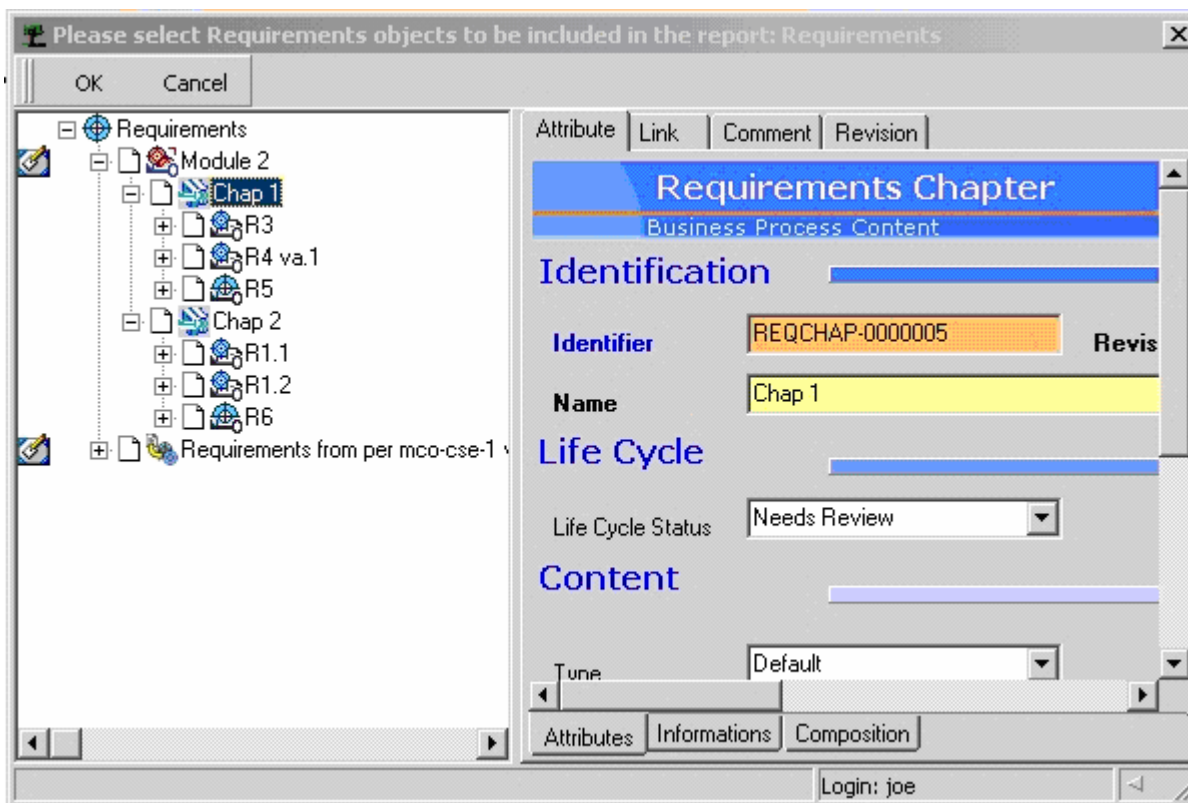
Created by: joe **Creation date**: 05/16/2006 01:00

Modified by: **Modification date**:

General

Login: joe

For the first class object, you have to select the objects used for report.



Then select the project for the raw elements and the objects to display. Then you will get the resulting matrix.

<i>Requirements-Requirements Matrix</i>								
	R1	R2	R5	R3	R4 va.1	R6	R1.1	R1.2
R5						Validated Impacts ⇒ ⇌ Directional		
R3		Validated Derives to ⇌ ⇌ Directional						
R4 va.1		Suspect Derives to ⇌ ⇌ Directional					Suspect Impacts ⇒ ⇌ Directional	

5.4. Requirements to Functions traceability matrix



5.4.1. Function description

The second traceability matrix shows the requirements to functions allocation (Requirements - Functions dependencies).

This matrix allows controlling the impact of a requirement modification on the functional definition of the product. This publishing operation is using a company template for document formatting purpose.

- With Automatic selection configured in admin settings for the 2 classes (SELECTALL mode)

From a project you click on the “Generate Traceability Matrix” Icon and you will get the resulting matrix

You will see the validated allocations in green color and the suspect allocations in red color as customized in admin settings by default

Requirements to Functions Matrix				
		Func 1	Func 2	Func 3
R1		Validated ↔↑	Validated ↔↑	
R2		Validated ↔↑		Validated ↔↑
R3			Validated ↔↑	
R1.1		Suspect ↔↑		
R1.2		Validated ↔↑		

- With Manual selection configured in admin settings (MANUAL mode)

The user has to select a project, click on “Generate Traceability Matrix” Icon and select the objects that he wants to display. Then the report is shown.

- With Automatic selection for different project configured in admin settings (PROJECTSELECTALL mode)

The user has to select a project, click on “Generate Traceability Matrix”, then select the projects for the elements in row and column. Then the report is shown.

- With Manual selection for different project configured in admin settings (PROJECTSELECTMANUAL mode)

The user has to select a project, click on “Generate Traceability Matrix”, then select the project for the elements in row, select the object to display. Then select the project for the elements in column and select the objects to display. Then the report is shown.



5.5. Functions to Systems traceability matrix

5.5.1. Function description

The third traceability matrix shows the functions to system allocation (Functions - Systems dependencies). This matrix allows controlling the impact of a functional modification on the system architecture definition of the product. This publishing operation is using a company template for document formatting purpose.

- With Automatic selection configured in admin settings for the 2 classes (SELECTALL mode)

From a project you click on the “Generate Traceability Matrix” Icon and you will get the resulting matrix

You will see the validated allocations in green color and the suspect allocations in red color as customized in admin settings by default

Functions to Systems Matrix			
	Sys 1	Sys 2	Sys 3
Func 1	Validated	Validated	
Func 2	Suspect		Validated
Func 3		Validated	
Func 4	Validated		
Func 5	Suspect		Validated

- With Manual selection configured in admin settings (MANUAL mode)

The user has to select a project, click on “Generate Traceability Matrix” Icon and select the objects that he wants to display. Then the report is shown.

- With Automatic selection for different project configured in admin settings (PROJECTSELECTALL mode)

The user has to select a project, click on “Generate Traceability Matrix”, then select the projects for the elements in row and column. Then the report is shown.

- With Manual selection for different project configured in admin settings (PROJECTSELECTMANUAL mode)

The user has to select a project, click on “Generate Traceability Matrix”, then select the project for the elements in row, select the object to display. Then select the project for the elements in column and select the objects to display. Then the report is shown.

5.6. Customizing its own traceability matrix

5.6.1. Function description

Note

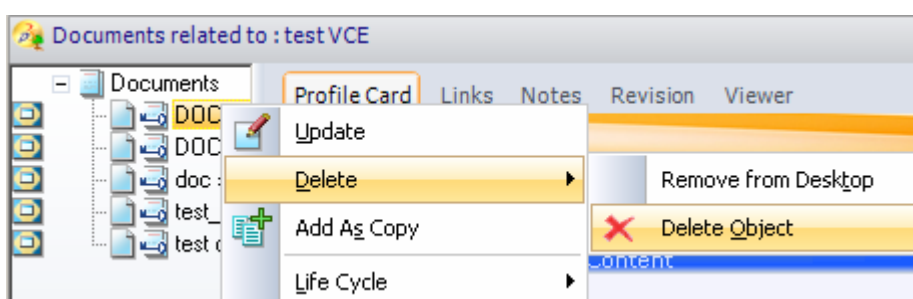
Refer to CSE Requirement Management Implementation guide documentation for further detail about customizing your own traceability matrix

6. Collaborative Systems Lifecycle Management and Traceability Undelete

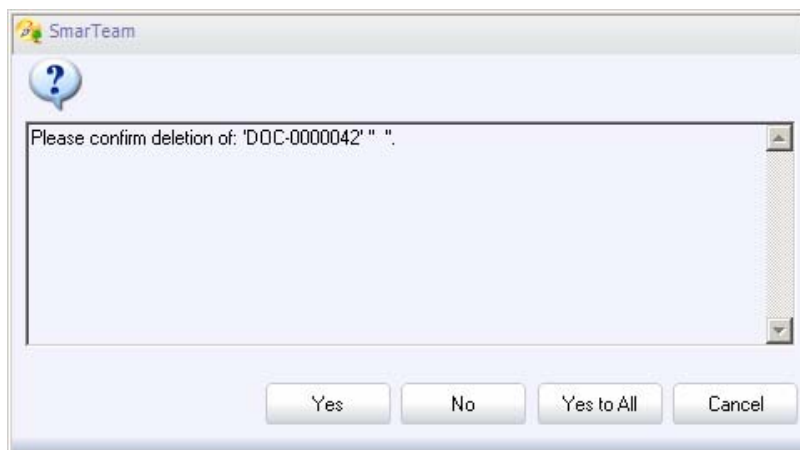
6.1. Object deletion

6.1.1. Function description

To delete temporarily an object in ENOVIA SmarTeam, perform as usual



There are several warnings.

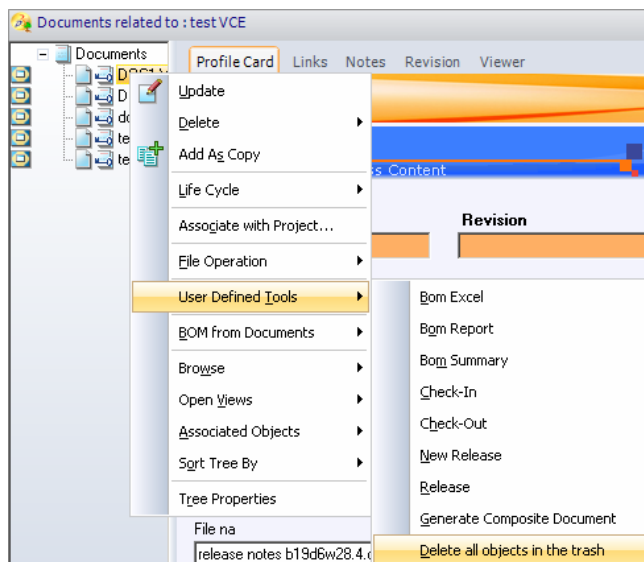


The object is now not visible in ENOVIA SmarTeam. But it is still in the database.

6.2. Delete all objects in the Trash

6.2.1. Function description

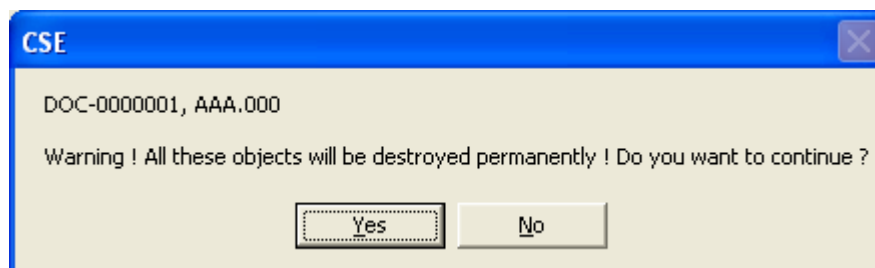
1. So as to delete permanently all hidden objects of a tree, click on the User Defined Tools *Delete all objects in the trash*;



2. Choose the tree;



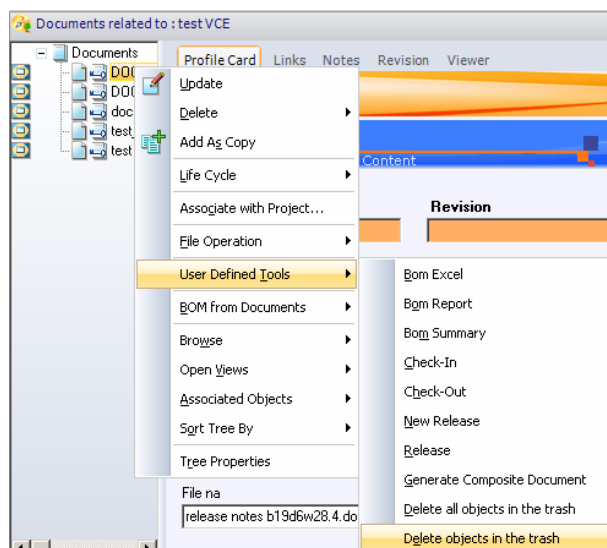
3. All the objects that will be destroyed are listed. You have to confirm the permanent deletion.



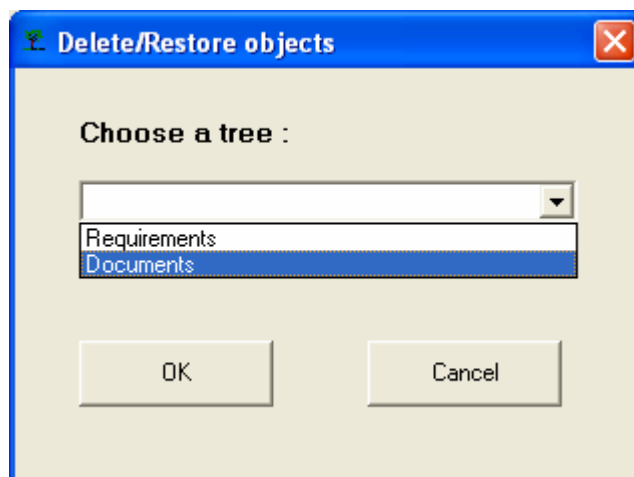
6.3. Delete objects in the Trash

6.3.1. Function description

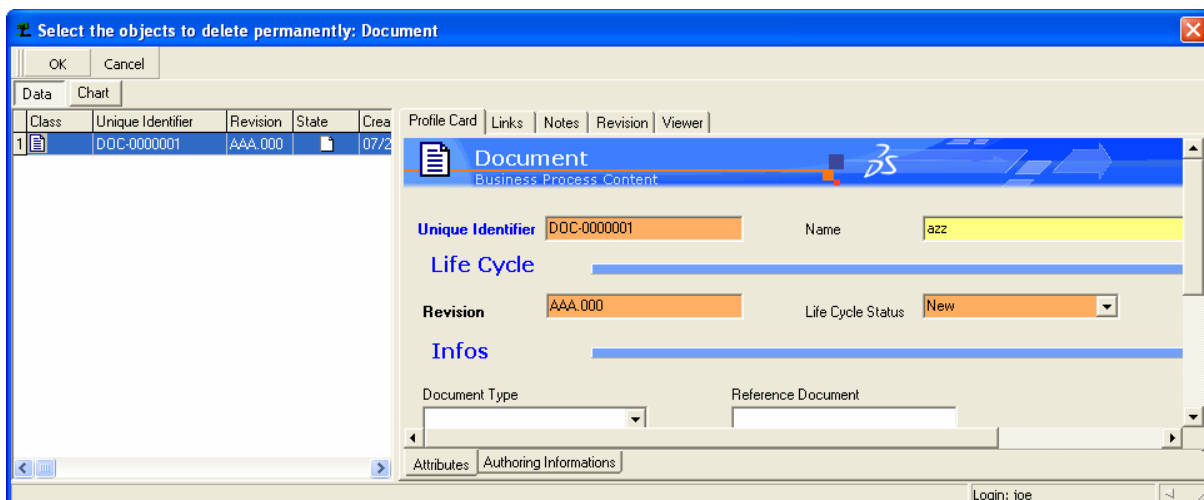
1. But you can also destroy permanently some of hidden objects and keep other hidden objects. For that, you have to click on the User Defined Tools *Delete objects in the trash*;



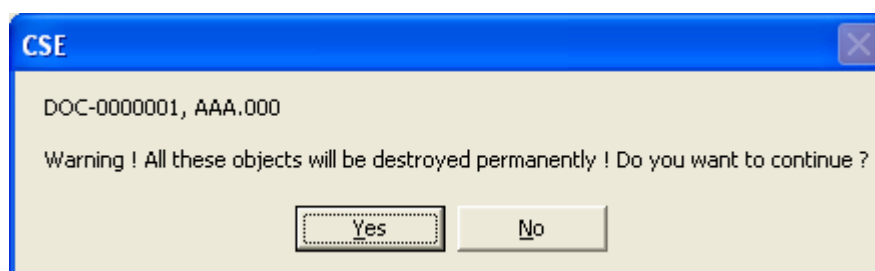
2. Choose the tree;



3. Select the objects that will be destroyed and click on *OK*;



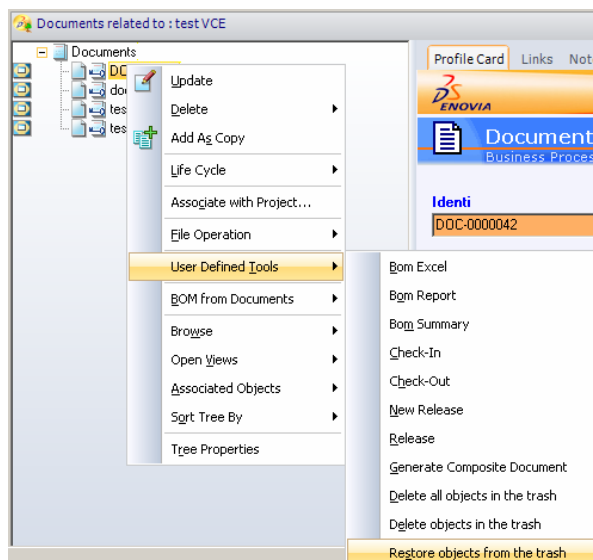
4. All the objects that will be destroyed are listed. You have to confirm the permanently deletion.



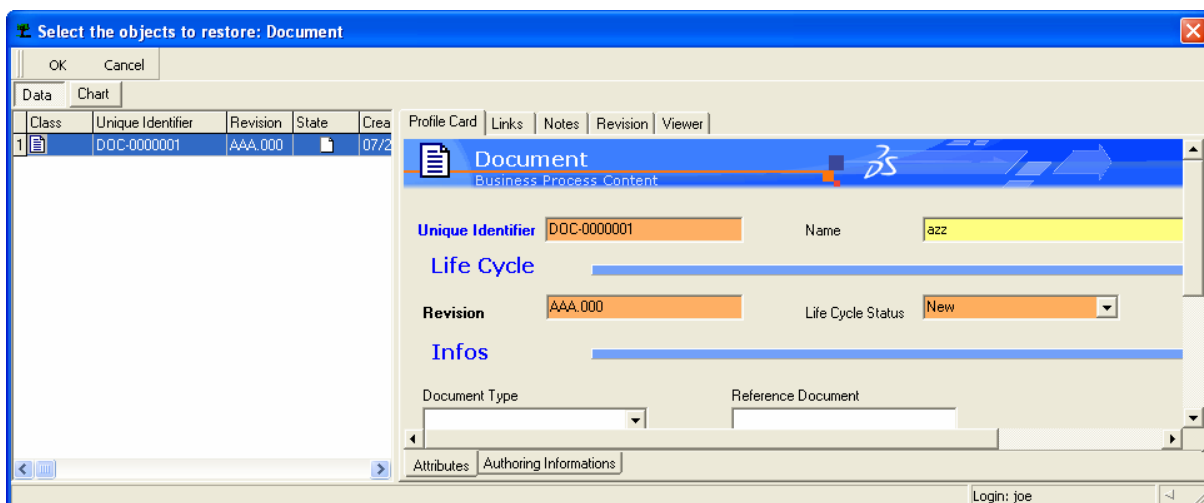
6.4. Restore objects in the Recycle Bin

6.4.1. Function description

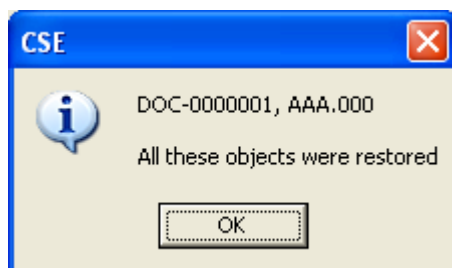
1. Finally, you can also make hidden objects visible. For that click on the User Defined Tools *Restore objects from the trash*;



2. Select the objects to restore;



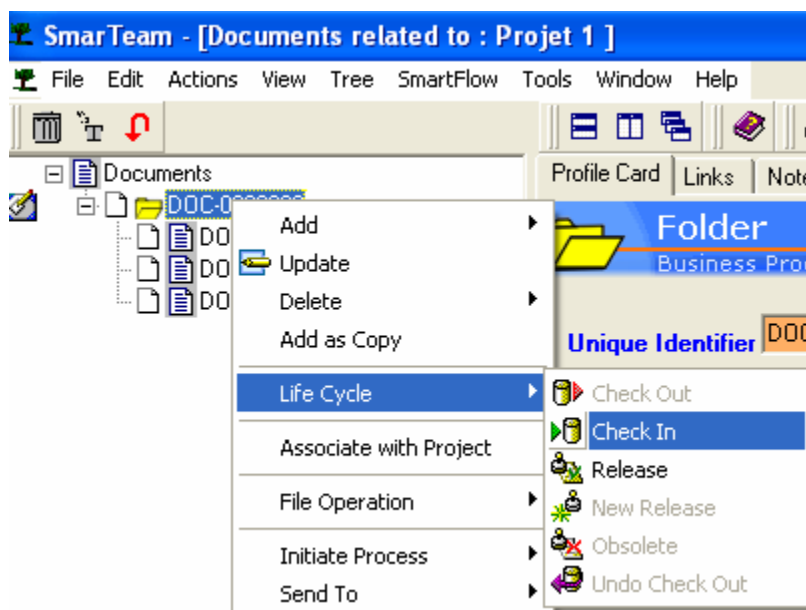
3. A short report is displayed.



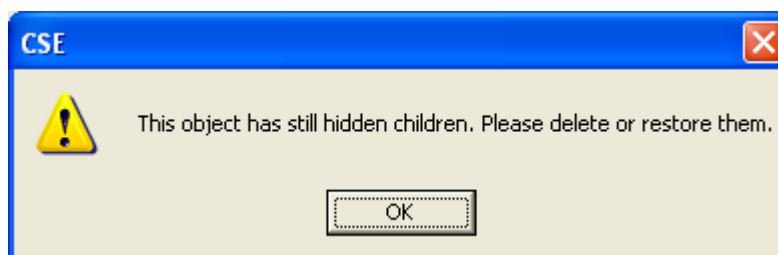
6.5. Lifecycle operations

6.5.1. Function description

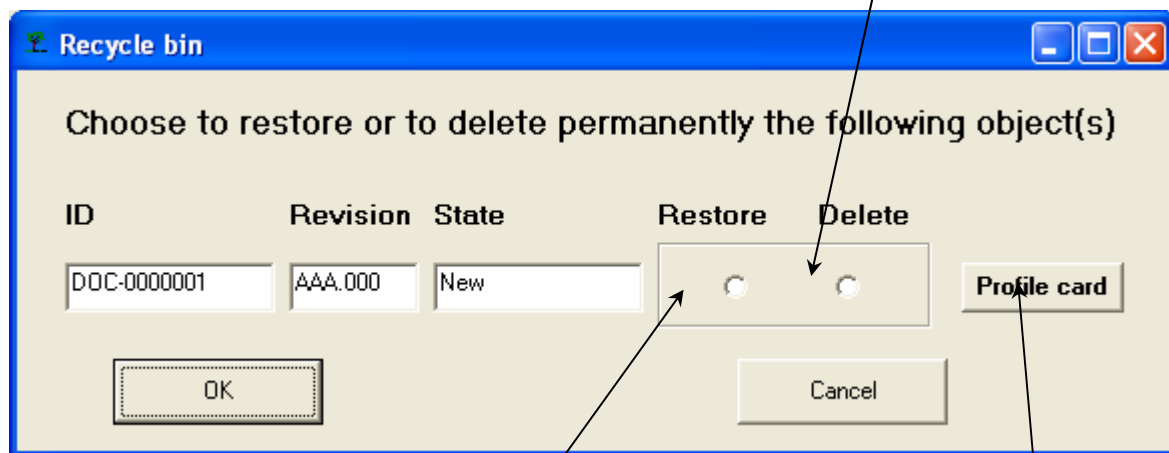
About the *lifecycle* operations *Check In* and *Release*, the interface check if there are still hidden objects below the current object.



If there are at least one hidden object, the *lifecycle* operation is interrupted.



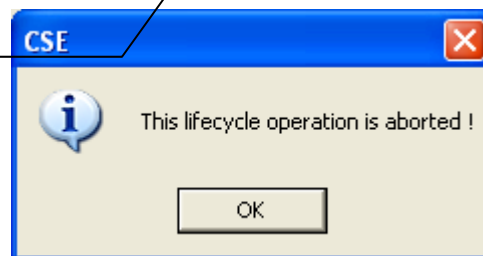
The “recycle bin” is displayed and the user has to put a status (*Restore* or *Delete*) on these “ambiguous” objects.



If checked, the object will be deleted permanently after clicking on OK

The lifecycle is aborted.

If checked, the object will be restored after clicking on OK



Display the profile card of the object

You have to perform the lifecycle operation once again.

7. Appendix A – BPA provided data

7.1.1. *Templates*

Notes

CSE is providing by default some report and matrix but you can freely customize your application. Refer to CSE Requirement Management Implementation guide documentation for further detail about customizing your application.