

Collaborative Systems Engineering

– RX9 – CD9 – CS9 – RM9 –



CSE D4-D7 Migration Guide – V1

BPA Delivery 7 for V5R19 (V5.7)

Modification Tracking

| Version | Date | Done by | Modification |
|---------|-------------|---------|--|
| | 19 Nov 2008 | CBZ | Document creation |
| D6W48.3 | 25 Nov 2008 | NJZ/CBZ | Document verification. Add TDMX_TEST_INPUT as XHTML attribute for IVVQ Sheet. |
| D7W22.3 | 28 May 2009 | CBZ | Add IVVQ Analysis |
| | | | |

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1. Introduction

The guide gathers all the database changes to make a former CSE D4 DB version work after a Delivery 7 installation.

As there is no modification in D7 database and D6 database regarding D5 database, this guide is also usable to make a former CSE D4 DB version work after a Delivery 7 GA installation.

Three major topics are addressed:

- hooking functions
- data model changes
- admin settings

The V5.7 version is built on top of ENOVIA SmarTeam V5R19.

1.1. Related Documentation

- Collaborative Systems Engineering – Requirement Management Implementation guide (RM9_ImplementationGuide_R19D7.doc)
- Collaborative Systems Engineering – Requirement Management User guide (RM9_UserGuide_R19D7.doc)
- 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

1.2. Definitions

Glossary

| Acronym | Definition |
|---------|--|
| BPA | Business Process Accelerator |
| CSE | Collaborative System Engineering |
| CD9 | Composite Document Generation |
| CS9 | Collaborative Systems Management and Trceability |
| RM9 | Requirement Management |
| RX9 | Requirement XML Edition |

Table 1 - Acronyms

2. Data Model Modifications

Regarding the IVVQ Data model modifications, refer to the CSE data model documentation in order to get all the elements to create.

3. Scripts

That part presents the hooks difference between D4 and D5/D6/D7 version. Functions have to be hooked on “system” operations or on “User Defined Tools”.

3.1. User Define Tool hooks

These operations are made with the *Script Maintenance*.

3.1.1. Infopath Edition

| SCRIPT_NAME | Function name | CLASS | UDT to be created |
|-------------|---------------------------|------------------|-------------------|
| CSE_XML.ebs | XML_IVVQ_Export_WithLinks | IVVQ Chapter | Edit in InfoPath |
| CSE_XML.ebs | XML_IVVQ_Export_WithLinks | IVVQ Module | Edit in InfoPath |
| CSE_XML.ebs | XML_IVVQ_View_Export | IVVQ Sheet | Edit in InfoPath |
| CSE_XML.ebs | XML_IVVQ_View_Export | IVVQ Result | Edit in InfoPath |
| CSE_XML.ebs | XML_IVVQ_View_Export | IVVQ Information | Edit in InfoPath |
| CSE_XML.ebs | XML_IVVQ_View_Export | IVVQ Matrix Item | Edit in InfoPath |
| CSE_XML.ebs | XML_IVVQ_View_Export | IVVQ Analysis | Edit in InfoPath |

Description:

- XML_IVVQ_Export_WithLinks allows editing «IVVQ Module» or « IVVQ Chapter » in Infopath.
- XML_IVVQ_View_Export allows editing any single IVVQ object in Infopath.

3.2. Profile Card hooks

These operations are to be made in *Form Designer*.

3.2.1. Profile cards

| SCRIPT_NAME | Function name | CLASS | EVENT |
|-------------|---------------------------------|------------------|------------|
| CSE_XML.ebs | XML_View_Reset_IVVQ | IVVQ Information | ON_EXIT |
| CSE_XML.ebs | XML_View_Refresh_IVVQ | IVVQ Information | ON_STARTUP |
| CSE_XML.ebs | XML_View_Reset_TwoFields_IVVQ | IVVQ Result | ON_EXIT |
| CSE_XML.ebs | XML_View_Refresh_IVVQ | IVVQ Result | ON_STARTUP |
| CSE_XML.ebs | XML_View_Reset_ThreeFields_IVVQ | IVVQ Sheet | ON_EXIT |
| CSE_XML.ebs | XML_View_Refresh_IVVQ | IVVQ Sheet | ON_STARTUP |
| CSE_XML.ebs | XML_View_Reset_IVVQ | IVVQ Analysis | ON_EXIT |
| CSE_XML.ebs | XML_View_Refresh_IVVQ | IVVQ Analysis | ON_STARTUP |

Description:

- XML_View_Refresh_IVVQ update the data to preview in the profile card when opening the Profile Card.

4. Admin Settings

These admin settings allow InfoPath Integration for IVVQ objects.

| Add Admin Setting | | |
|----------------------|--|--|
| Section | NEEDED_ATTRIBUTES | Attributes to retrieve |
| Subject | IVVQ_MODULE | <i>Class name of data model</i> |
| Description | The needed attributes to export for a IVVQ module | |
| Value1 | | |
| Value2 | | |
| Value3 | | |
| Value4 | | |
| LongField | OBJECT_ID;CLASS_ID;CN_ID;TDMX_NAME;REVISION;STATE;TDMX_IVVQ_COMMENT;TDMX_LOCKED_BY | List of Attributes separated by ; |
| <Other> | | |

| Add Admin Setting | | |
|----------------------|--|--|
| Section | NEEDED_ATTRIBUTES | Attributes to retrieve |
| Subject | IVVQ_CHAPTER | <i>Class name of data model</i> |
| Description | The needed attributes to export for a IVVQ Chapter | |
| Value1 | | |
| Value2 | | |
| Value3 | | |
| Value4 | | |
| LongField | OBJECT_ID;CLASS_ID;CN_ID;TDMX_NAME;REVISION;STATE;TDMX_IVVQ_COMMENT;TDMX_LOCKED_BY | List of Attributes separated by ; |
| <Other> | | |

| Add Admin Setting | | |
|----------------------|---|--|
| Section | NEEDED_ATTRIBUTES | Attributes to retrieve |
| Subject | IVVQ_INFORMATION | <i>Class name of data model</i> |
| Description | The needed attributes to export for a IVVQ Information | |
| Value1 | | |
| Value2 | | |
| Value3 | | |
| Value4 | | |
| LongField | OBJECT_ID;CLASS_ID;CN_ID;TDMX_NAME;REVISION;STATE;TDMX_INFORMATION;TDMX_LOCKED_BY | List of Attributes separated by ; |
| <Other> | | |

| Add Admin Setting | | |
|--------------------|--|--|
| Section | NEEDED_ATTRIBUTES | Attributes to retrieve |
| Subject | IVVQ_MATRIX_ITEM | <i>Class name of data model</i> |
| Description | The needed attributes to export for a IVVQ Matrix Item | |
| Value1 | | |
| Value2 | | |
| Value3 | | |

| | | |
|-----------|---|-----------------------------------|
| Value4 | | |
| LongField | OBJECT_ID;CLASS_ID;CN_ID;TDMX_NAME;REVISION;STATE;TDMX_MATURITY_STAGE;TDMX_VERIFICATION_STATUS;TDMX_LOCKED_BY | List of Attributes separated by ; |
| <Other> | | |

| Add Admin Setting | | |
|-------------------|--|--|
| Section | NEEDED_ATTRIBUTES | Attributes to retrieve |
| Subject | IVVQ_RESULT | <i>Class name of data model</i> |
| Description | The needed attributes to export for a IVVQ Result | |
| Value1 | | |
| Value2 | | |
| Value3 | | |
| Value4 | | |
| LongField | OBJECT_ID;CLASS_ID;CN_ID;TDMX_NAME;REVISION;STATE;TDMX_RUN_DATE;TDMX_TESTER_NAME;TDMX_GLOBAL_TEST_RESULT;TDMX_TR_PATHNAME;TDMX_TR_FILENAME;TDMX_IVVQ_COMMENT;TDMX_MATURITY_STAGE;TDMX_TEST_BED;TDMX_TEST_OBJECTIVES;TDMX_TEST_RESULT_DESC;TDMX_LOCKED_BY | List of Attributes separated by ; |
| <Other> | | |

| Add Admin Setting | | |
|-------------------|--|--|
| Section | NEEDED_ATTRIBUTES | Attributes to retrieve |
| Subject | IVVQ_SHEET | <i>Class name of data model</i> |
| Description | The needed attributes to export for a IVVQ Sheet | |
| Value1 | | |
| Value2 | | |
| Value3 | | |
| Value4 | | |
| LongField | OBJECT_ID;CLASS_ID;CN_ID;TDMX_NAME;REVISION;STATE;TDMX_MATURITY_STAGE;TDMX_MOV;TDMX_TEST_INPUT;TDMX_VERIFICATION_STAGE;TDMX_MOV_DESCRIPTION;TDMX_TEST_PROC_DESC;TDMX_LOCKED_BY | List of Attributes separated by ; |
| <Other> | | |

| Add Admin Setting | | |
|-------------------|--|--|
| Section | NEEDED_ATTRIBUTES | Attributes to retrieve |
| Subject | IVVQ_ANALYSIS | <i>Class name of data model</i> |
| Description | The needed attributes to export for a IVVQ Analysis | |
| Value1 | | |
| Value2 | | |
| Value3 | | |
| Value4 | | |
| LongField | OBJECT_ID;CLASS_ID;CN_ID;TDMX_NAME;REVISION;STATE;TDMX_MATURITY_STAGE;TDMX_CONTENT_DATA;TDMX_LOCKED_BY | List of Attributes separated by ; |
| <Other> | | |

| Add Admin Setting | | |
|-------------------|--|-----------------------------------|
| Section | XHTML_ATTRIBUTES | XHTML Attributes |
| Subject | IVVQ_RESULT | <i>Class name of data model</i> |
| Description | Attributes for a IVVQ Result to treat as XHTML | |
| Value1 | | |
| Value2 | | |
| Value3 | | |
| Value4 | | |
| LongField | TDMX_TEST_OBJECTIVES;TDMX_TEST_RESULT_DESC | List of Attributes separated by ; |
| <Other> | | |

| Add Admin Setting | | |
|-------------------|--|-----------------------------------|
| Section | XHTML_ATTRIBUTES | XHTML Attributes |
| Subject | IVVQ_SHEET | <i>Class name of data model</i> |
| Description | Attributes for a IVVQ Sheet to treat as XHTML | |
| Value1 | | |
| Value2 | | |
| Value3 | | |
| Value4 | | |
| LongField | TDMX_MOV_DESCRIPTION;TDMX_TEST_PROC_DESC; TDMX_TEST_INPUT | List of Attributes separated by ; |
| <Other> | | |

| Add Admin Setting | | |
|-------------------|---|-----------------------------------|
| Section | XHTML_ATTRIBUTES | XHTML Attributes |
| Subject | IVVQ_INFORMATION | <i>Class name of data model</i> |
| Description | Attributes for a IVVQ Information to treat as XHTML | |
| Value1 | | |
| Value2 | | |
| Value3 | | |
| Value4 | | |
| LongField | TDMX_INFORMATION | List of Attributes separated by ; |
| <Other> | | |

| Add Admin Setting | | |
|-------------------|--|-----------------------------------|
| Section | XHTML_ATTRIBUTES | XHTML Attributes |
| Subject | IVVQ_ANALYSIS | <i>Class name of data model</i> |
| Description | Attributes for a IVVQ Analysis to treat as XHTML | |
| Value1 | | |
| Value2 | | |
| Value3 | | |
| Value4 | | |
| LongField | TDMX_CONTENT_DATA | List of Attributes separated by ; |
| <Other> | | |

| Add Admin Setting | |
|--------------------|--|
| Section | DRILL_DOWN_LINK_ALLOW_CLASSES |
| Subject | IVVQ_REQUIREMENTS |
| Description | Declare both classes of the relationship |
| Value1 | IVVQ |
| Value2 | Requirements |
| Value3 | |
| Value4 | |

| Add Admin Setting | |
|--------------------|--|
| Section | DRILL_DOWN_LINK_ALLOW_CLASSES |
| Subject | IVVQ_IVVQ |
| Description | Declare both classes of the relationship |
| Value1 | IVVQ |
| Value2 | IVVQ |
| Value3 | |
| Value4 | |