

Working with structured FrameMaker

Guidelines for editors

ST-Ericsson

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Revision history

Date	Revision	Changes
2012-02-15	1	Creation
2012-03-22	2	Added the last slide about correcting the structure
2013-01-18	3	Updated the slide about Table footnotes
2013-02-07	4	Updated the slides about variables Corrected the slide about cross references, tables and figures

Setting the structured FM preference

- Choose *File > Preferences > General* (Windows and Mac OS) or *File > Preferences* (UNIX).
- From the Product Interface menu, choose either FrameMaker or *Structured FrameMaker*, depending upon the interface you wish to work in.
- Click *Set*. You are prompted to restart the program in order for the preference change to take effect.

About the structured work area

Document window

The screenshot shows the Adobe FrameMaker (Structured) interface. The main document window displays a structured template for an IP specification. The template includes sections for Overview, Scope, Features, and Integration example. The Features section is expanded, showing a list of features and sub-features. The Integration example section includes a diagram placeholder. The Element catalog is visible on the right, listing various elements like <TEXT>, Copyrighted, Document reference, etc. The Structure view is also visible, showing a hierarchical tree of the document structure.

FrameMaker (Structured) - [C:\My Documents\Classeur Modem74xx\TOOLS\FM structured\IP_Specification_Template v2.0_struct.fm]

Element Format View Special Graphics Table Window Help

Body Arial 10 pt

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

<IP> specification name <DeviceName>

1.3) Overview

1.3.1) Scope

Brief and high level description of the IP usage context and functionality (from a SOC or platform point of view).

1.3.2) Features (included in the datasheet and the user manual)

- Feature 1
- Feature 2
 - Sub-feature 1
 - Sub-feature 2
 - Sub-feature 3
- Feature 3

1.3.3) Integration example

Example system integration diagram (including for instance connection to DMA controller, pads, etc.).

Figure 1. IP integration example diagram

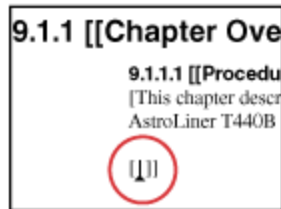
Company confidential - Do not copy (See last page for obligations)

Element
catalog

Structure
view

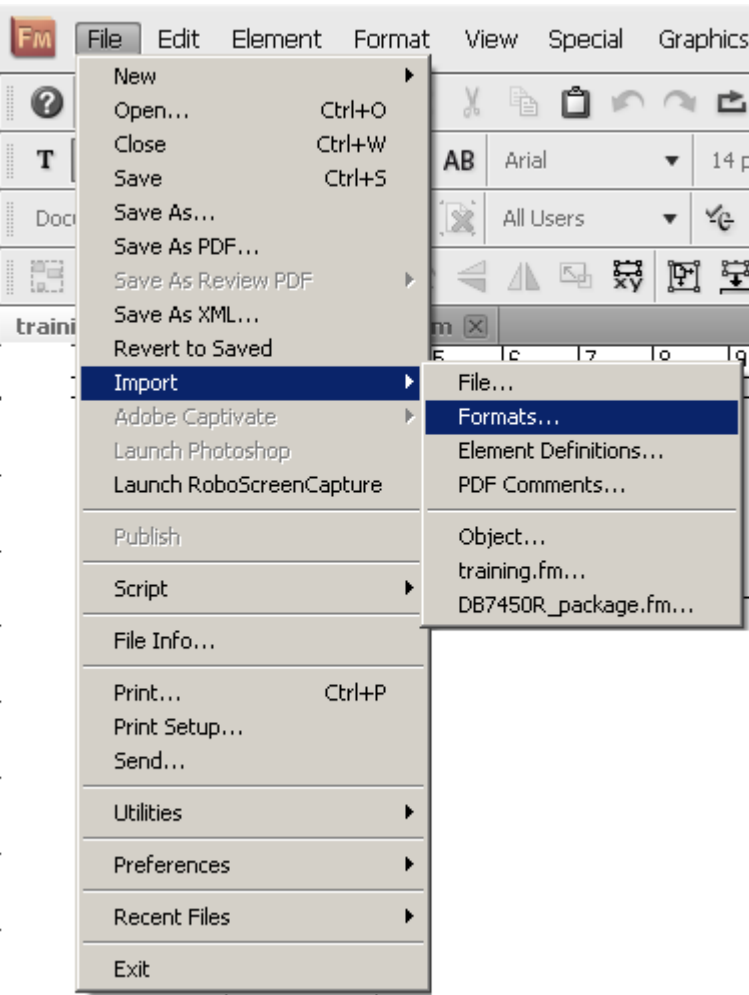
Structured FM Elements

- Inserting elements

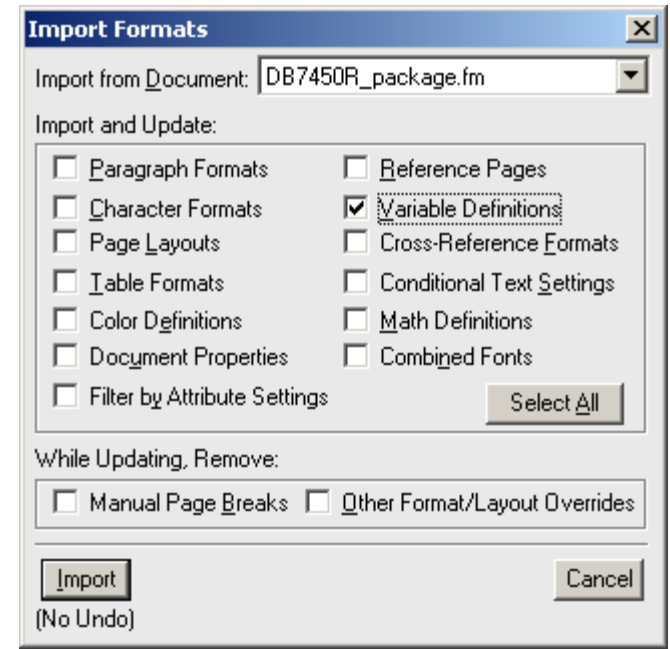


- Main Elements :
 - Text
 - Tables
 - Figures
 - Equations
 - Cross-references and footnotes
 - Variables (see next slide)
 - Table of contents

Importing variables from a reference file



- Use the same variables (and template) in all the book
 - Use one of the book file as reference (usually *cover.fm*) and carefully check the variables (and templates)
 - Open the <reference> file
 - Open the file to update
 - Go to File > Import > Format and select Variables



Inserting variables in the document

- Place the cursor where you want to insert a variable
- Select Special/Variables in the main menu
- Select the variable in the list, and click on the *Insert* icon
- Use the *Edit* icon to change the variable definition

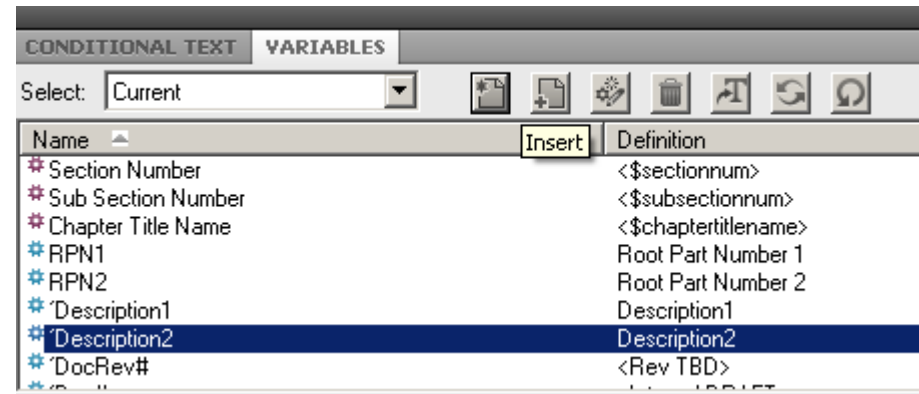
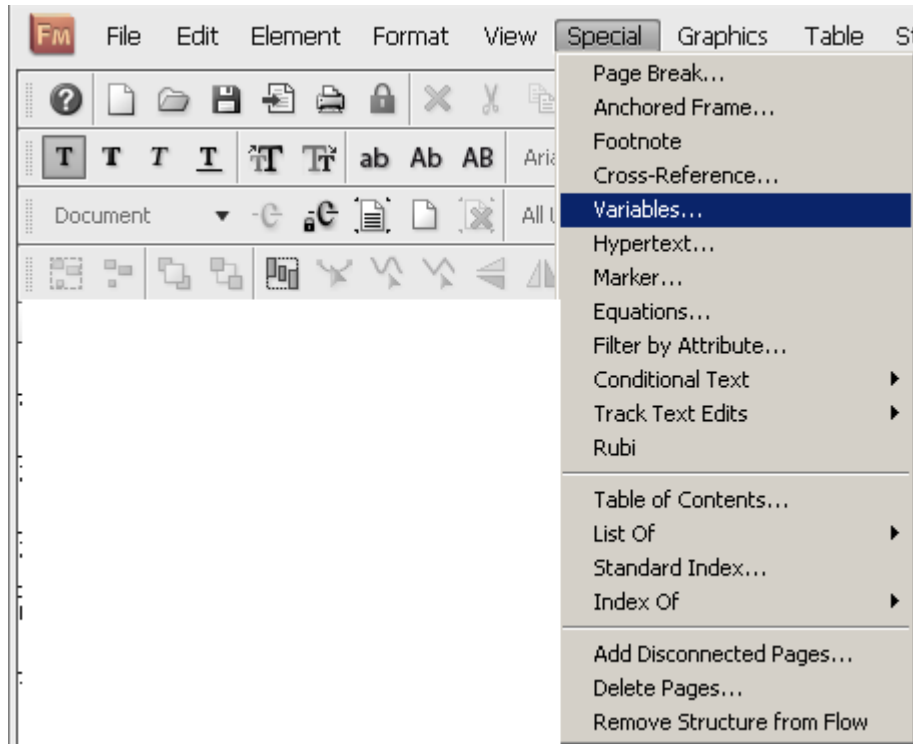
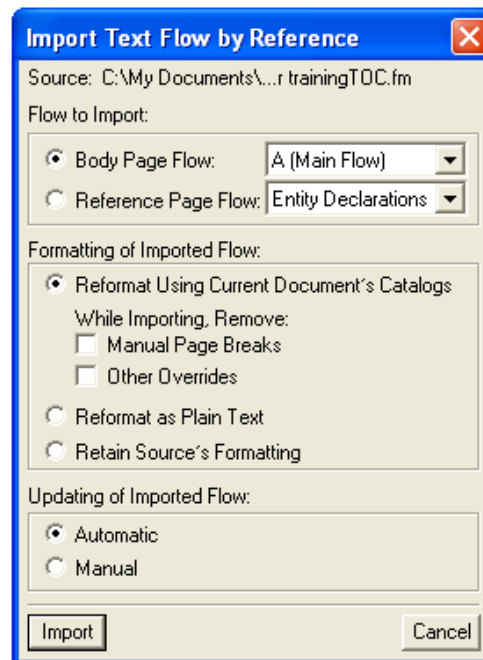


Table of contents – TOC file generation

- Special > Table of contents...
 - Choose **Yes** to create a standalone document xxxTOC.fm
- File > Import ...
 - Select TOC file

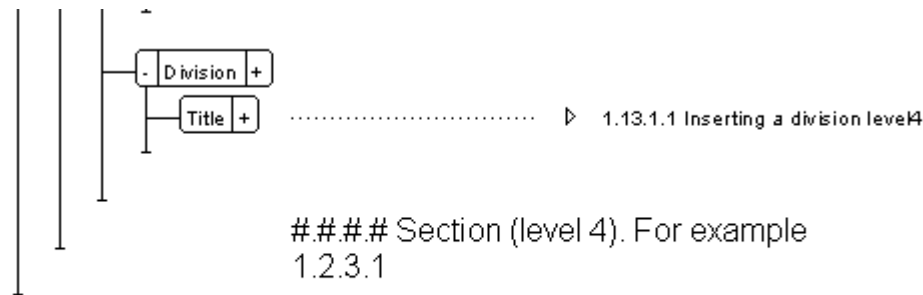


Inserting a section



Inserting a generic section

- The generic element name for a section is “Division”
- In the Structure View, place the cursor where you want to insert the section
 - Depending of the level in the structure where you place the cursor, the section will be of level 1, level 2 or level 3



- The section can includes figures, tables, paragraphs, equations, cross references, etc

Wrapping elements

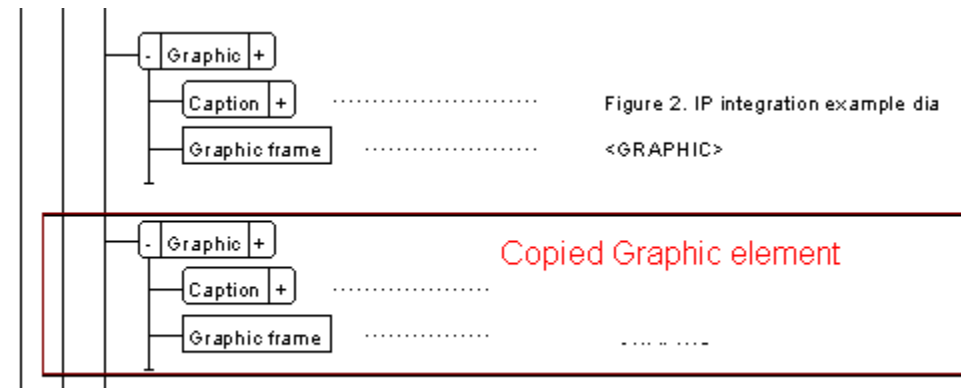
- Special characters
 - For example, type VDD
 - Select DD
 - Select Subscript in the Element catalog
 - Select Wrap in the Element catalog
 - Select Wrap

Inserting a figure



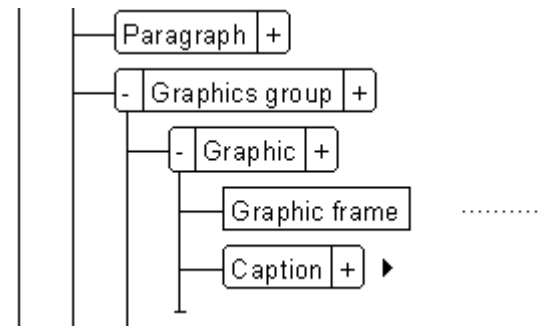
Inserting a figure – Method 1

- Method 1 = copying the set of elements for an existing figure
 - Go in the structure view,
 - Select the Graphic element (in condensed view)
 - Apply a right mouse click and Select Copy
 - In the structure view, place the cursor after the element where you want to insert the figure
 - Paste the Graphic element set



Inserting a figure – Method 2

- Method 2 = creating the set of elements for a new figure
 - Go in the structure view, place the cursor where you want to insert the figure
 - In the Element catalog, select the Graphic Group element, and select Insert
 - When prompted, browse and select the figure to import by reference
 - In the structured view, place the cursor below the Graphic frame element
 - In the Element catalog, select the Caption element, and select Insert
 - In the structure view, place the cursor next to the Caption element and type the caption text

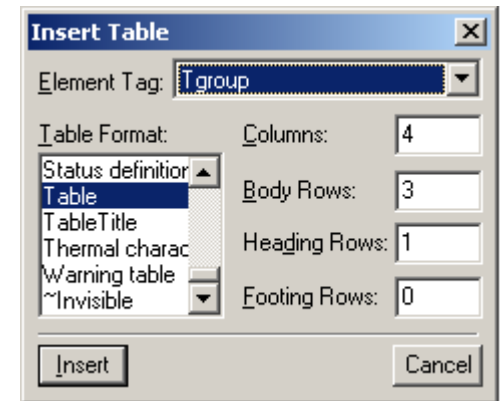


Inserting a table



Inserting a table

- The generic element name for a table is “Tgroup”
- In the structure view, place the cursor where you want to insert a table
- In the Element catalog, select the Tgroup element and select Insert
- When prompted to select a table format,
 - Select *Table Title (or Table)* format,
 - Set the number of columns and rows
 - Select OK
- Fill in the values in the table cells
- In the FM document, place the cursor in the row above the table heading
- In the Element catalog, Select Caption element and select Insert
- Add the Variable for table continuation at the end of the caption text

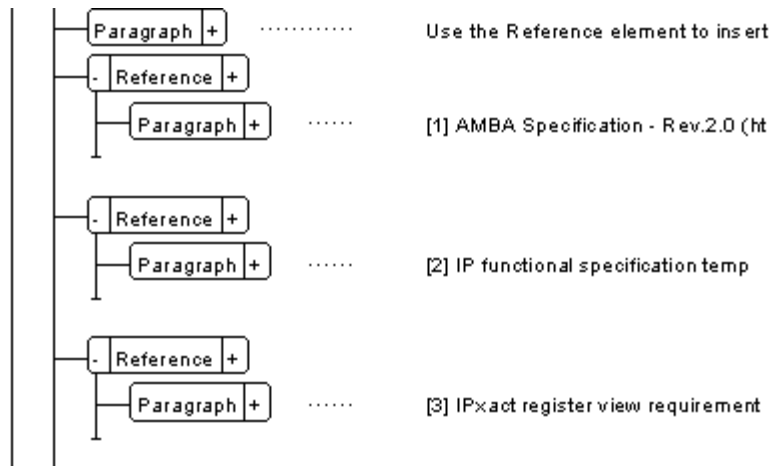


Inserting a list of references



Inserting a list of references

- The generic element name for a list of references is “Reference”
- In the structure view, place the cursor where you want to insert the list of references
- In the Element catalog, select the Reference element and select Insert
- In the Structure view, place the cursor by the Paragraph element and type the text for the reference



Inserting a cross reference



Inserting a cross reference

- The generic element name for a cross reference is “XRef”
- In the structure view, place the cursor where you want to insert the cross reference
- Alternatively, place the cursor in the document between two element boundaries
- In the Element catalog, select the Xref element
- In the Cross-Reference window, select the Element tag, element in the document and Format of the cross reference
- Select Insert

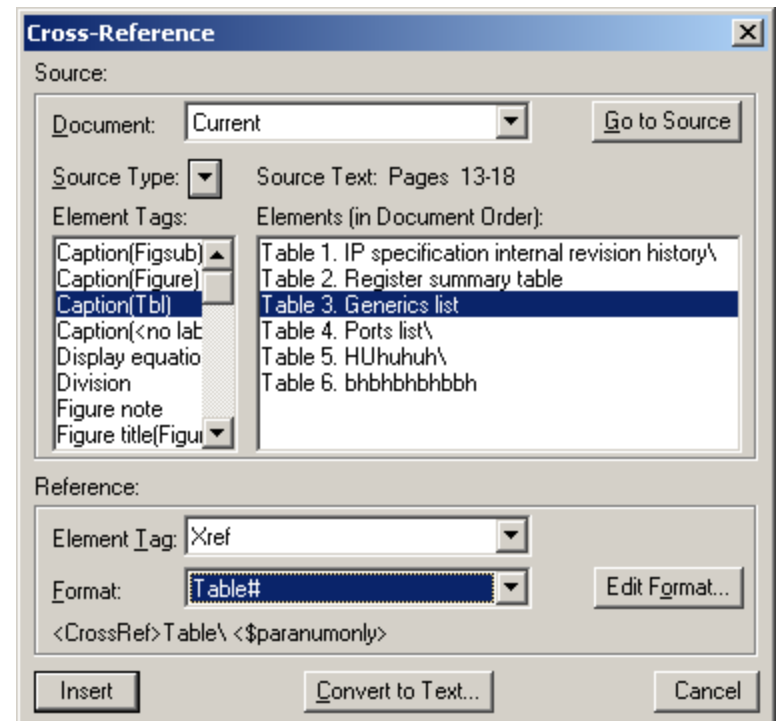
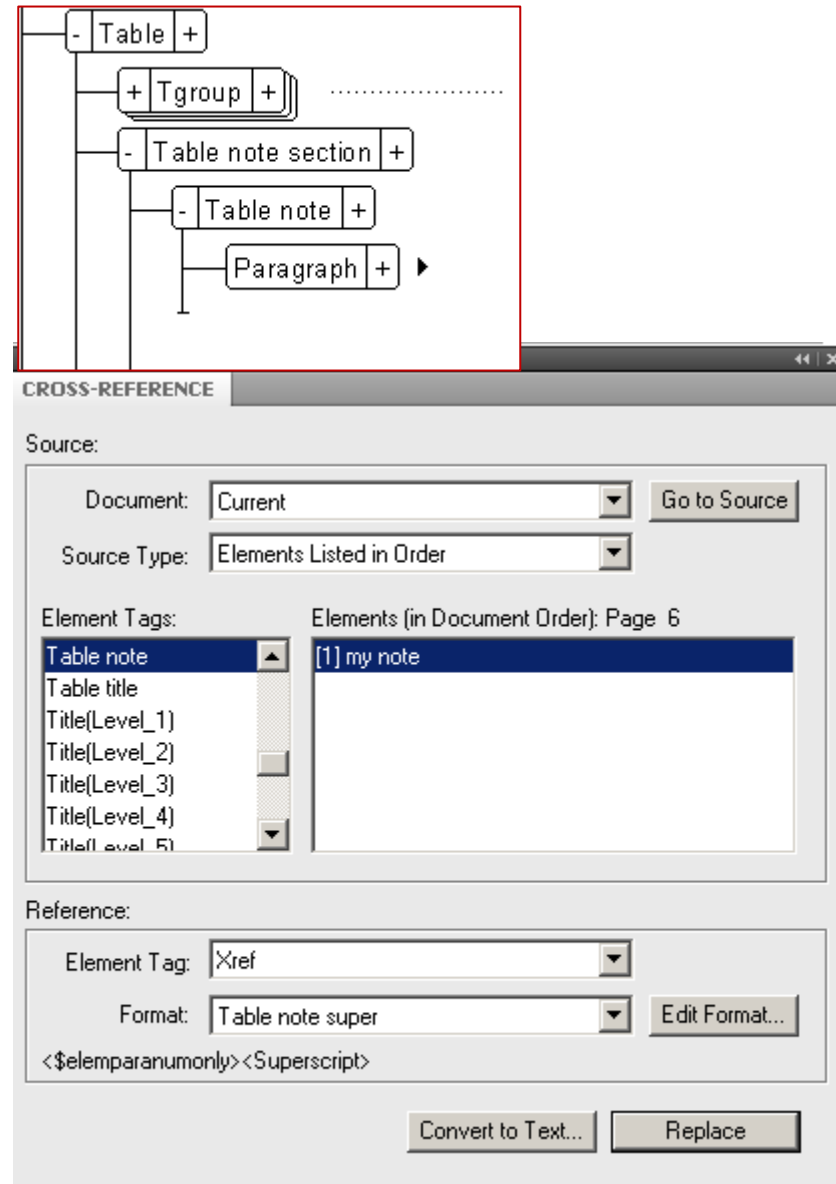


Table footnotes in Structured FrameMaker

- The generic element name for a table footnote is “Table note”
- In the structure view, place the cursor at the end of the Tgroup
- In the Element catalog, select the Table note section element
- Select the element Table note and type the text in the paragraph element
- Place the cursor at the end of the text in the reference table cell
- Add the Xref element, selecting the Table note and Table note super format
- Go to the element catalog and select superscript + select Wrap



Correcting the structure

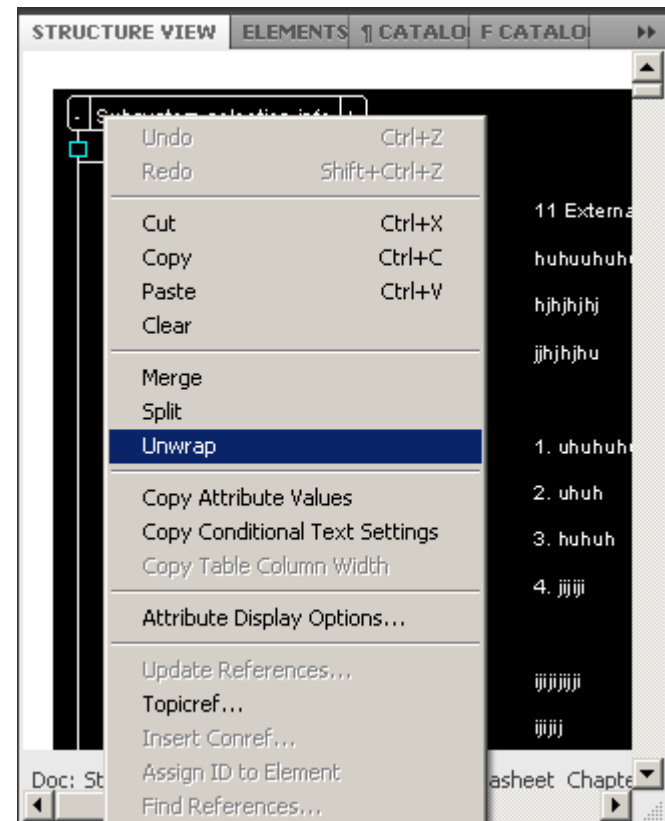
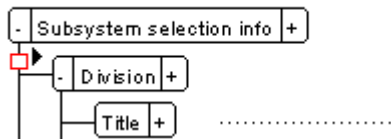


Correcting the structure

- Go to *Element/Validate*
- Select *Entire Document*
- Select *Start Validating*
- Types of structure errors
 - Red cross = missing element in the structure or invalid structure
 - Red vertical line = invalid element(s) in the structure
 - Red square = missing element(s) in the structure
- Tip = Go to View and select *Element boundary*. Check that the [[and]] are at the beginning and end of elements
- In the structure view, move the elements to the left and delete the elements with no text

Correcting the structure (continued)

- Removing red squares in the structure
 - In the structure view, select the red square (will select the affected elements)
 - Apply a right mouse click
 - Select Unwrap



Thank you