

# proofMEIdata

## System Design

# Document Organisation

## i Authorized & signed by

Reviewed (Date/Signature):

---

## ii Revision History

Version	Date	Type of change	Author
D0.1.0	18.06.2015	First edition	Elena Schilke

proofMEIdata	1
Document Organisation	2
i Authorized & signed by	2
ii Revision History	2
1 Introduction	4
2 PMD Controlevvent	4
2.1 Menubar	4
2.2 Tab View	5
2.2.1 Tree-table	6
2.2.2 Button Area	9
2.2.3 XML View	12
2.3 Facsimile View	13

# 1 Introduction

The proofMEIdata Suite is a set of tools for proofreading MEI encoded XML-files. The suite is setup as eXist-db app.

## 2 PMD Controlevvent

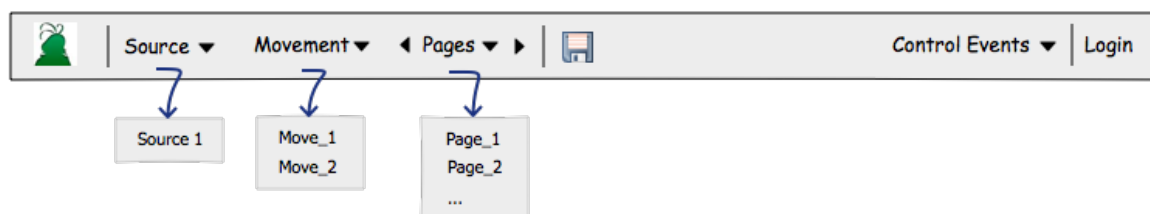
Start with selection in menubar ControlEventTool. This tool contains two views: tab-view and facsimile-view. Tab-view contains tree-table and xml-view.

### 2.1 Menubar

#### Revision History

Version	Date	Type of change	Aithor
D0.1.0	18.06.2015	first version	Elena Schilke

#### Layout



#### Enabling/disabling of actions

If a source item is selected -> enable movement menu

If a movement item selected -> enable pages menu

If facsimile is load -> enable navigation arrows

If elements in tree table are changed -> enable save action

#### Action Paths and Results



Get to Freischuetz-Digital home page

Source: select a music sources directory -> enable movement menu -> show selected directory in menubar (if save is enabled -> show question)

save dialog)

Movement: select a music sources sub directory -> enable pages menu -> show selected directory in menubar (if save is enabled -> show question save dialog)

Pages: select page -> load facsimile and control events table for selected page -> show selected page in menubar (if save is enabled -> show question save dialog)

Navigation: go to previous or next page -> load facsimile and control events table for selected page (if save is enabled -> show question save dialog)

Save changes to existdb and show an info dialog with results

## Data sources and targets

Sources	getNavigation.xml, getHairpins.xml, getDynamics.xml, getDirs.xml, getZones.xml
Targets	saveMEI.xml

## 2.2 Tab View

Tab View contains Slurs-, Hairpins-, Dirs- and Dynamics- Items. Items contains tree table, buttons area and XML view.

## Revision History

Version	Date	Type of change	Aithor
D0.1.0	18.06.2015	first version	Elena Schilke

## Execution

Select source, movement and page in Menubar.

## Layout

Slurs | Hairpins | **Dynamics** | Dirs

Name/Orig/Reg	Staff	2. Staff	Measure	Tstamp	Tstamp2	Place	Form	Edit

Create element ▼

Change to... ▼

Add ▼

Delete

XML View

Page name, #Staffs, #Masures

Facsimile View

## 2.2.1 Tree-table

### Widgets description

Name	Mandatory/Optional	ReadOnly/Wr	Description
Name/Orig/Reg	M	RO	GUI-name for element
Staff	M	RO	Attribute for identifying the staff associated with the current feature
2. Staff	O	RO	If place is between two staves
Measure	M	RO	Start measure
Tstamp	M	RO	Attribute that record a time stamp in terms of musical time
Tstamp2	For hairpins mandatory, for dynamo and dirs optional	RO	Attribute that record a time stamp for the end of an event in terms of musical time.
Place	M	RO	Placement information: above, below or between
Form	M	RO	For hairpins cres. or dim. For dynams and dirs textual dynamics, e.g. 'p', 'mf', or 'cresc. poco a poco'.
Rend	Optional field for dynamo and dirs, for hairpins: -.	RO	A formatting element indicating special visual rendering, e.g., bold or italicized, of a text word or phrase.
Edit			Icon for start Edit - Dialog

## Action Paths and Results

Select edit icon -> open Edit Dialog for change values for selected element

### 2.2.1.1 Edit Dialog

#### Layout

Edit Values

Staff

Second staff

Measure

Tstamp

Tstamp2

Place

▼

Form

▼

Update

Cancel

## Widgets description



Name	Mandatory/Optional	ReadOnly/Wr	Description
Staff	M	Wr	Attribute for identifying the staff associated with the current feature.
2. Staff	O	Wr	If place is between two staves.
Measure	M	Wr	Start measure.
Tstamp	M	Wr	Attribute that record a time stamp in terms of musical time.
Tstamp2	For hairpins mandatory, for dynamo and dirs optional	Wr	End time. Attribute that record a time stamp for the end of an event in terms of musical time.
Place	M	Wr	Placement information: above, below or between.
Rend	Optional field for dynamo and dirs, for hairpins: -.	Wr	A formatting element indicating special visual rendering, e.g., bold or italicized, of a text word or phrase.
Form	M	Wr	For hairpins cres. or dim. For dynams and dirs textual dynamics, e.g. 'p', 'mf', or 'cresc. poco a poco'.

## 2.2.2 Button Area

### 2.2.2.1 Create Element

#### Execution

Select „Create element“ -> element for create an obvious hairpin, dynam or dir element.

Select „Create element“ -> „Choice“ -> template for create an ambiguous hairpin, dynamo or dir element.

## Layout

Create Choice Element

Staff  ▼

Start measure  ▼

End measure  ▼

Set fields editable ☐

Orig
 

Staff

Place  ▼

Form  ▼

Tstamp

Tstamp2

Reg
 

Staff

Place  ▼

Form  ▼

Tstamp

Tstamp2

Reg
 

Staff

Place  ▼

Form  ▼

Tstamp

Tstamp2

Disable reg ☐

Start Time (Tstamp)
 

Verovio

End Time (Tstamp2)
 

Verovio

Orig
 

Staff

Staff2  ▼

Place  ▼

Form  ▼

Tstamp

Tstamp2

Reg
 

Staff  ▼

Place  ▼

Form  ▼

Tstamp

Tstamp2

Reg
 

Staff  ▼

Place  ▼

Form  ▼

Tstamp

Tstamp2

Start Time (Tstamp)
 

Verovio

End Time (Tstamp2)
 

Verovio

**MuWi** Musikwissenschaftliches Seminar  
 Detmold / Paderborn

Seite 10

Version date: 18.06.2015

## Widgets description

For fields description s. Cap.2.2.1 Tree-table widget descriptions.

## Validation and Constraints

Border field decorators indicate mandatory fields.

### Enabling/disabling of widgets:

- „Next“ button in first card and „Create“ button in second card are enabled if all mandatory fields values were entered
- Select „Set fields editable“ check box for enable read only fields.
- Select „Disable reg“ check box for disable fields in this reg.

## Action Paths and Results

- Select „Create element“ -> „Choice“ -> „for Tstamp (1-2 regs)“ for start dialog with start time-depended fields. (s. fig.)
- Select „Create element“ -> „Choice“ -> „for Tstamp2 (1-2 regs)“ for start dialog with end time-depended fields.
- Select „Create element“ -> „Choice“ -> „for Staff2 (2 regs)“ for start dialog with end staff-depended fields. (s. fig.)
- Select „Create element“ -> „Choice“ -> „for Time (2-4 regs)“ for start dialog with start and end time-depended fields.
- Select „Create element“ -> „Choice“ -> „for Tstamp and Staff (3-4 regs)“ for start dialog with start time- and staff-depended fields.
- Select „Create element“ -> „Choice“ -> „for Tstamp2 and Staff (3-4 regs)“ for start dialog with end time- and staff-depended fields.
- Select „Create element“ -> „Choice“ -> „for Time and Staff (4-6 regs)“ for start dialog with time- and staff-depended fields.
- Select „Create“ button for create an element. New element is selected in treeTable and xml code fragment is shown in XML view, save button is enabled.
- Focus a tstamp field and select a note in Start-Time-Verovio view for set value for start time
- Focus a tstamp2 field and select a note in End-Time-Verovio view for set value for end time

## 2.2.2.2 Change to...

### Execution

Select „Change to...” -> element for change an ambiguous hairpin, dynam or dir element to an obvious element.

Select „Change to...” -> „Choice“ -> template for change an obvious hairpin, dynamo or dir element to an ambiguous element.

### Layout

s. Cap 2.2.2.1.

### Enabling/disabling of widgets:

- s. Cap. 2.2.2.1.
- „Change to...” is enabled if one element is selected in tree-table
- „Change to...” -> element is enabled if an ambiguous element is selected
- „Change to...” -> „Choice” -> template is enabled if an obvious element is selected

For „**Validation and Constraints**“ and „**Action Paths and Results**“ s. Cap 2.2.2.1.

### 2.2.2.3 Add

#### Execution

Select „Add” -> template for create an orig or reg for an ambiguous hairpin, dynam or dir element.

#### Layout

s. Cap 2.2.1.1 Edit Dialog

#### Enabling/disabling of widgets:

- s. Cap. 2.2.1.1 Edit Dialog
- „Add” is enabled if one ambiguous element is selected in tree-table

For more details s. Cap. 2.2.1.1 Edit Dialog

### 2.2.2.4 Delete

#### Execution

Select „Delete” for delete an orig, reg or complete element.

#### Enabling/disabling of widgets:

- Delete is enabled if one element in tree-table is selected

#### Action Paths and Results

- Select „Delete” -> show a question dialog for confirm action. If „Delete”-button is selected -> element is deleted from tree-table and save button is enabled. After save element will be deleted from existdb.

### 2.2.3 XML View

#### Execution

For show XML fragment for one element -> select element in tree-table.

#### Layout

s. Cap 2.2 Tab View

## 2.3 Facsimile View

Facsimile view shows selected page with staves and measures numbers.

### Revision History

Version	Date	Type of change	Aithor
D0.1.0	18.06.2015	first version	Elena Schilke

### Execution

Select source, movement and page in Menubar.

### Layout

s. Cap 2.2 Tab View