

# proofMEIdata

## Interface Spec

# Document Organisation

## i Authorized & signed by

Reviewed (Date/Signature):

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## ii Revision History

Version	Date	Type of change	Author
D0.1.0	21.06.2015	First edition	Elena Schilke

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# 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 Get Navigation

Get sources, movements and pages from eXist-db.

### Service Name:

pmd\_ce\_getNavigation.xql

### Revision History

Version	Date	Type of change	Aithor
D0.1.0	21.06.2015	first version	Elena Schilke

### Input Parameter

Name	Type	Description	Mandatory/Optional
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### Output Data

Sigle:

Name	Type	Mandatory/Optional	Description
sigle	string	M	source
mdivs	Array	M	movement

Mdivs:

Name	Type	Mandatory/Optional	Description
id	string	M	xml id
pages	Array	M	source pages

Pages:

Name	Type	Mandatory/Optional	Description
id	string	M	xml
n	string	M	page number
staves number	string	M	number of staves
measures number	string	M	number of measures

### 3 Get Hairpins

Get hairpins data from eXist-db.

#### Service Name:

getConstrolEvents.xql

#### Revision History

Version	Date	Type of change	Aithor
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#### Input Parameter

Name	Type	Description	Mandatory/Optional
path	string	selected page	M

#### Output Data

Name	Type	Description	Mandatory/Optional
id	string	xml id	M
name	string	name for GUI	M
type	string	type of control event: hairpin	M
obvious	boolean	true, if element is explicit	M
ambiguous	boolean	true, if element is not explicit	M
icon	string	icon path	O
measureId	string	start measure xml id	M
measurenr	string	measure number	M
tstamp	string	Attribute that record a time stamp in terms of musical time	M
tstamp2	string	Attribute that record a time stamp for the end of an event in terms of musical time.	M
place	string	Placement information: above, below or between	M
form	string	cres. or dim.	M
tag	string	reg or orig	O
staff	string	staff number	M
staff2	string	second staff number	O
leaf	boolean	true for end node	O

## 4 Get Dynamics

Get dynamics data from eXist-db.

### Service Name:

getDynamics.xql

### Revision History

Version	Date	Type of change	Aithor
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### Input Parameter

Name	Type	Description	Mandatory/Optional
path	string	selected page	M

### Output Data

Name	Type	Description	Mandatory/Optional
id	string	xml id	M
name	string	name for GUI	M
type	string	type of control event: dynam	M
obvious	boolean	true, if element is explicit	M
ambiguous	boolean	true, if element is not explicit	M
icon	string	icon path	O
measureId	string	start measure xml id	M
measureNr	string	measure number	M
tstamp	string	Attribute that record a time stamp in terms of musical time	M
tstamp2	string	Attribute that record a time stamp for the end of an event in terms of musical time.	O
place	string	Textual dynamics, e.g. 'p', 'mf', or 'cresc. poco a poco'.	M
form	string	cres. or dim.	M
rend	string	A formatting element indicating special visual rendering, e.g., bold or italicized, of a text word or phrase.	O
tag	string	reg or orig	O
staff	string	staff number	M
staff2	string	second staff number	O
leaf	boolean	true for end node	O



## 5 Get Directions

Get directions data from eXist-db.

### Service Name:

getDirss.xql

### Revision History

Version	Date	Type of change	Aithor
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### Input Parameter

Name	Type	Description	Mandatory/Optional
path	string	selected page	M

### Output Data

Name	Type	Description	Mandatory/Optional
id	string	xml id	M
name	string	name for GUI	M
type	string	type of control event: dir	M
obvious	boolean	true, if element is explicit	M
ambiguous	boolean	true, if element is not explicit	M
icon	string	icon path	O
measureId	string	start measure xml id	M
measureNr	string	measure number	M
tstamp	string	Attribute that record a time stamp in terms of musical time	M
tstamp2	string	Attribute that record a time stamp for the end of an event in terms of musical time.	O
place	string	Textual dynamics, e.g. 'p', 'mf', or 'cresc. poco a poco'.	M
form	string	cres. or dim.	M
rend	string	A formatting element indicating special visual rendering, e.g., bold or italicized, of a text word or phrase.	O
tag	string	reg or orig	O
staff	string	staff number	M
staff2	string	second staff number	O
leaf	boolean	true for end node	O

## 6 Get Zones

Get page size and measures coordinates from eXist-db.

### Service Name:

getZones.xql

### Revision History

Version	Date	Type of change	Aithor
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### Input Parameter

Name	Type	Description	Mandatory/Optional
path	string	selected page	M

### Output Data

Page:

Name	Type	Description	Mandatory/Optional
id	string	xml id	M
n	string	page number	M
width	string	page width	M
height	string	page height	M

Zones:

Name	Type	Description	Mandatory/Optional
id	string	zone xml id	M
type	string	measure or staff	M
ulx	string	left x	M
uly	string	left y	M
lrx	string	right x	M
lry	string	right y	M
targetID	string	staff or measure xml id	M
n	string	staff or measure number	M

## 7 Get Extended Staff

Get xml fragment for Verovio from eXist-db.

**Service Name:**

getExtendedStaff.xql

**Revision History**

Version	Date	Type of change	Aithor
D0.1.0	21.06.2015	first version	Elena Schilke

### Input Parameter

Name	Type	Description	Mandatory/Optional
path	string	selected page	M
staffID	string	xml staff id	M
id_prefix	string	type + „start“ or „end“	M
endPageName	string	end of xml id for page	M

### Output Data

Name	Type	Description	Mandatory/Optional
result	string	xml fragment	M

## 8 Save MEI

Save element to eXist-db.

### Service Name:

saveMEI.xql

### Revision History

Version	Date	Type of change	Aithor
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### Input Parameter

Name	Type	Description	Mandatory/Optional
result	string	xml fragment and information for save	M

### Output Data

Name	Type	Description	Mandatory/Optional
result	string	information about saved element(s)	M