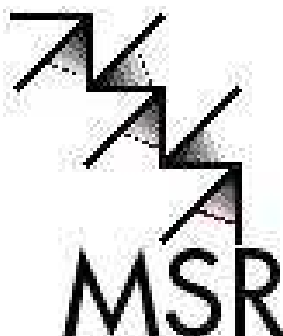




MSR-MEDOC

Element and Attribute Documentation

MSRREP V2.2.2 (single language)



MSR-MEDOC, Herbert Klein, XI-Works



Abstract

This document describes MSRREP-222 DTD. It is intended to serve as a DTD reference and a global description of semantics.



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Introduction

Organization **MSR-MEDOC [msrmedoc]**

| Name Roles | Departement | Address | Contact |
|---------------|-------------|---------|---------|
| Herbert Klein | XI-Works | | |

Version Information

| Document Part | Editor | | | |
|---|---------------|---------|-------|---------|
| | Company | Version | State | Remarks |
| 1 WD 2005-06-25 For details refer to nr. 1, Page 153 | Herbert Klein | | | |



1 Standard Attributes

Description

These attribute are so called Standard Attributes since they occur on every element within the DTD. They will only be described here to save document space.

Formal Description

| Name | Type | Values / Default | Notes |
|----------------------------|-------|------------------|---|
| [S] (implied) | cdata | | Signature under which the calculated signature belonging to the contents of an element, can be stored, e.g. CRC. |
| [SI] (implied) | cdata | | Description of the semantic meaning of an element. |
| [T] (implied) | cdata | | Time stamp specification |
| [VIEW] (implied) | cdata | | Arbitrary term for realization of a conceptual view. In this way, text components can be inserted or masked out in editor, or when a document is generated. |

2 Elemente der MSRREP DTD

2.1 ABS

Description

Use `<ABS>` to enter the absolute values of a parameter in a parameter table.

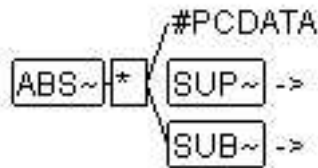
Example

```
<ABS>5</ABS>
```

Formal Description

Context: [PRM-CHAR](#)

Is context for: Text, [SUP](#), [SUB](#)



ABS.PNG

2.2 ABSTRACT

Description

You can use `<ABSTRACT>` to give a short summary on the document which is formatted in the first pages of the document.

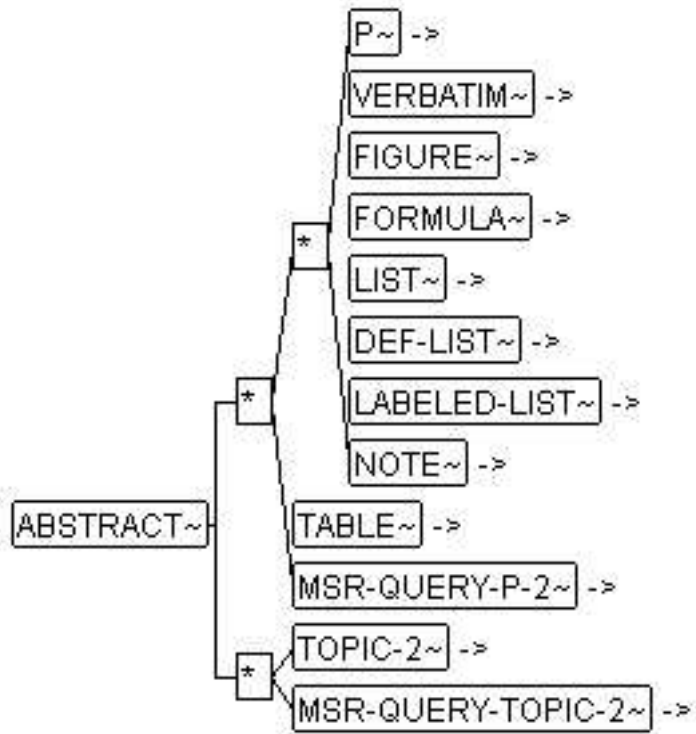
Example

```
<ABSTRACT>
  <P>This document describes MSRREP-222 DTD. It is intended to serve
    as a DTD reference and a global description of semantics.</P>
</ABSTRACT>
```

Formal Description

Context: [REPORT-HEAD](#)

Is context for: [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [TABLE](#), [MSR-QUERY-P-2](#), [TOPIC-2](#), [MSR-QUERY-TOPIC-2](#)



2.3 ADD-INFO-5

Description

<ADD-INFO-5> has the same purpose as the <ADD-INFO> element and gives the opportunity to provide *additional information* to a structure in the form of continuous text. The only difference is that <ADD-INFO-5> has a limited set of elements. The information can only be entered in one level since no subchapters or topics are available.

Example

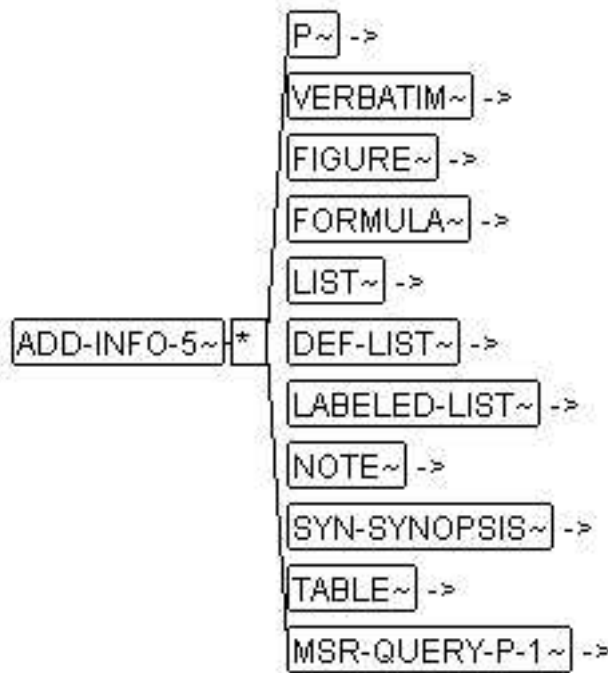
This sample show how some information has been added to describe a Service Argument.

```
<SW-SERVICE-ARG>
  <LONG-NAME>Temp Input Value</LONG-NAME>
  <SHORT-NAME>gTemp</SHORT-NAME>
  <SW-DATA-DEF-PROPS>
    <SW-BASE-TYPE-REF>real32</SW-BASE-TYPE-REF>
  </SW-DATA-DEF-PROPS>
  <ADD-INFO-5>
    <P>It might seem unnecessary to take the gTemp into account, but....</P>
  </ADD-INFO-5>
</SW-SERVICE-ARG>
```

Formal Description

Context: [SYN-ARGUMENT](#), [SYN-EXAMPLE](#), [SYN-RETURN-VALUE](#), [SYN-SEMANTICS](#)

Is context for: [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [Labeled-LIST](#), [NOTE](#), [SYN-SYNOPSIS](#), [TABLE](#), [MSR-QUERY-P-1](#)



ADD-INFO-5.PNG

2.4 ADDRESS

Description

Use `<ADDRESS>` , to enter the street name of the company address, e.g. where a project participant is located. One line can be entered since all carriage returns typically are ignored.

Example

```
<ADDRESS>Quilt Steet 43</ADDRESS>
```

Formal Description

Context: [TEAM-MEMBER](#)

Is context for: Text

`ADDRESS~` — #PCDATA

ADDRESS.PNG

2.5 ADMIN-DATA

Description

`<ADMIN-DATA>` can be used to set administrative information for an element. This administration information is to be treated as metadata such as revision id or state of the file. There are basically four kinds of metadata

- The language and/or used languages.
- Revision information covering e.g. revision number, state, release date, changes. Note that this information can be given in general as well as related to a particular company.

- Document metadata specific for a company
- Formatting controls that can affect layouts for example.
- Revision information for the element.

Example

This sample shows how the language and some revision information has been defined for an element.

```

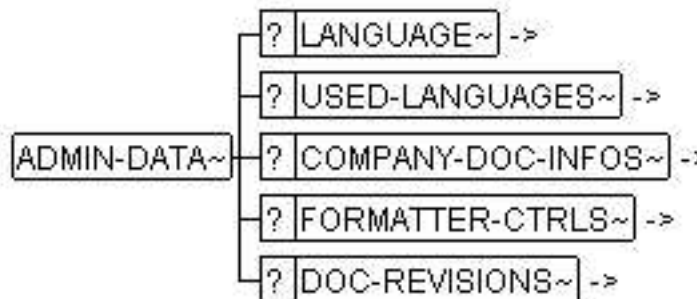
<ADMIN-DATA>
  <LANGUAGE>en</LANGUAGE>
  <DOC-REVISIONS>
    <DOC-REVISION>
      <REVISION-LABEL>2</REVISION-LABEL>
      <STATE>review-candidate</STATE>
      <TEAM-MEMBER-REF ID-REF="w1">W1</TEAM-MEMBER-REF>
      <DATE>15.8.2001</DATE>
      <MODIFICATIONS>
        <MODIFICATION>
          <CHANGE>fixed typos</CHANGE>
          <REASON>typos were found in the internal review</REASON>
        </MODIFICATION>
      </MODIFICATIONS>
    </DOC-REVISION>
    <DOC-REVISION>
      <REVISION-LABEL>1</REVISION-LABEL>
      <STATE>initial draft</STATE>
      <TEAM-MEMBER-REF ID-REF="w1">W1</TEAM-MEMBER-REF>
      <DATE>12.8.2001</DATE>
      <MODIFICATIONS>
        <MODIFICATION>
          <CHANGE>Created the document</CHANGE>
          <REASON>According to video-conference held at Jul2001</REASON>
        </MODIFICATION>
      </MODIFICATIONS>
    </DOC-REVISION>
  </DOC-REVISIONS>
</ADMIN-DATA>

```

Formal Description

Context: [CHAPTER](#), [CHG-CHAPTER](#), [MSRREP](#)

Is context for: [LANGUAGE](#), [USED-LANGUAGES](#), [COMPANY-DOC-INFOS](#), [FORMAT-TER-CTRLS](#), [DOC-REVISIONS](#)



ADMIN-DATA.PNG

2.6 AREA

Description

This element specifies a region in an image map. Image maps enable authors to specify regions in an object (e.g. a graphic) and to assign a specific activity to each region (e.g. load a document, launch a program etc.).

Example

```
<AREA SHAPE="RECT" COORDS="63,28,99,46" HREF="msrrep-id:EADOC-SUP"/>
```

Formal Description

Context: [MAP](#)

Hat keinen Inhalt.

AREA empty

AREA.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|---------------------------------|-----------------|--|---|
| [SHAPE] (default) | namedtokengroup | <ul style="list-style-type: none"> • RECT • CIRCLE • POLY • DEFAULT | The interpretation of the coordinates [COORDS] is controlled by the value of [SHAPE] . |
| [ACCESSKEY] (implied) | cdata | | This attribute assigns an access key to an element. An access key is an individual character (e.g. "B") within the document character range. If an access key with an element assigned to it is pressed, the element comes into focus. The activity performed when an element comes into focus, is dependent on the element itself. |
| [ALT] (implied) | cdata | | This attribute specifies the text to be inserted as an alternative to illustrations, shapes or applets, where these cannot be displayed by user agents. |
| [CLASS] (implied) | cdata | | Blank separated list of classes |
| [COORDS] (implied) | cdata | | This attribute specifies the position and shape on the screen. The number of values and their order depend on the geometrical figure defined. Possible combinations are: |

| Attribut | Typ | Wertebereich | Anmerkungen |
|----------------------------------|-----------------|--------------|---|
| [HREF] (implied) | cdata | | This attribute specifies the memory location of a web resource. It is therefore able to specify a link between the current element and the target element. |
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |
| [NOHREF] (implied) | namedtokengroup | • NOHREF | If this attribute is set, <AREA> has no associated link. |
| [ONBLUR] (implied) | cdata | | The ONBLUR-Event occurs, when focus is switched away from an element. A script can be stored in this attribute to be performed in the Event. |
| [ONCLICK] (implied) | cdata | | The ONCLICK-Event occurs, if the current element is clicked-on. A script can be stored in this attribute to be performed in the Event. |
| [ONDBLCLICK] (implied) | cdata | | The ONDBLCLICK-Event occurs, if the current Event is clicked-on. A script can be stored in this attribute to be performed in the Event. |
| [ONFOCUS] (implied) | cdata | | The ONFOCUS-Event occurs, if an element comes into focus (e.g. through navigation using the tab button). A script can be stored in this attribute to be performed in the Event. |
| [ONKEYDOWN] (implied) | cdata | | The ONKEYDOWN-Event occurs, if a button on the current element is pressed down. A script can be stored in this attribute to be performed in the Event. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------------|-------|--------------|--|
| [ONKEYPRESS] (implied) | cdata | | The ONKEYPRESS-Event occurs, if a button on the current element is pressed down and released. A script can be stored in this attribute to be performed in the Event. |
| [ONKEYUP] (implied) | cdata | | The ONKEYUP-Event occurs, if a button on the current element is released. A script can be stored in this attribute to be performed in the Event. |
| [ONMOUSEDOWN] (implied) | cdata | | The ONMOUSEDOWN-Event occurs, if the mouse button used for clicking is held down on the current element. A script can be stored in this attribute to be performed in the Event. |
| [ONMOUSEMOVE] (implied) | cdata | | The ONMOUSEMOVE-Event occurs, if the mouse pointer is moved on the current element (i.e. it is located on the current element). A script can be stored in this attribute to be performed in the Event. |
| [ONMOUSEOUT] (implied) | cdata | | The ONMOUSEOUT-Event occurs, if the mouse pointer is moved from the current element. A script can be stored in this attribute to be performed in the Event. |
| [ONMOUSEOVER] (implied) | cdata | | The ONMOUSEOVER-Event occurs, if the mouse pointer is moved to the current element from another location outside it. A script can be stored in this attribute to be performed in the Event. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|---------------------------------|-------|--------------|--|
| [ONMOUSEUP] (implied) | cdata | | The ONMOUSEUP-Event occurs if the mouse button used for clicking is released on the current element. A script can be stored in this attribute to be performed in the Event. |
| [STYLE] (implied) | cdata | | Information on the associated style |
| [TABINDEX] (implied) | cdata | | This attribute specifies the position of the current element in tabbing-order for the corresponding document. The value must lie between 0 and 32767. The Tabbing Order defines the sequence in which elements are focused on, when the user navigates using the keyboard. |
| [TITLE] (implied) | cdata | | Title information of the <AREA> -element |

2.7

BR

Description

This element is the same as function here as in a HTML document i.e. it forces a line break.

Example

```
<P>The first row<BR/>the second row</P>
```

Formal Description

Context: [CHANGE](#), [DESC](#), [MSR-QUERY-RESULT-TEXT](#), [P](#), [VERBATIM](#)

Hat keinen Inhalt.

BR empty

BR.PNG

2.8

C-CODE

Description

Use **<C-CODE>** to insert a formula defined as C-Code.

Formal Description

Context: [FORMULA](#)

Is context for: Text

C-CODE~—#PCDATA

C-CODE.PNG

2.9 CATEGORY

Description

This element assigns a category to the parent element. The category can be used by a semantic checker in post-processes to ensure that the parent object is defined correctly i.e. has the right number of elements for example.

Example

This example shows how **<CATEGORY>** is used to qualify a calibration parameter as a map. Further processing could now establish whether two axes also has to be specified.

```
<SW-CALPRM>
    <SHORT-NAME>KF_XYZ</SHORT-NAME>
    <CATEGORY>MAP</CATEGORY>
    . . .
</SW-CALPRM>
```

Formal Description

Context: [CHG-REQUEST](#), [MSRREP](#), [SYN-CAPTION](#)

Is context for: Text

CATEGORY~—#PCDATA

CATEGORY.PNG

2.10 CHANGE

Description

<CHANGE> is used to enter a modification text for a **<MODIFICATION>** element. The element has the same contents and features as a normal Paragraf element **<P>**.

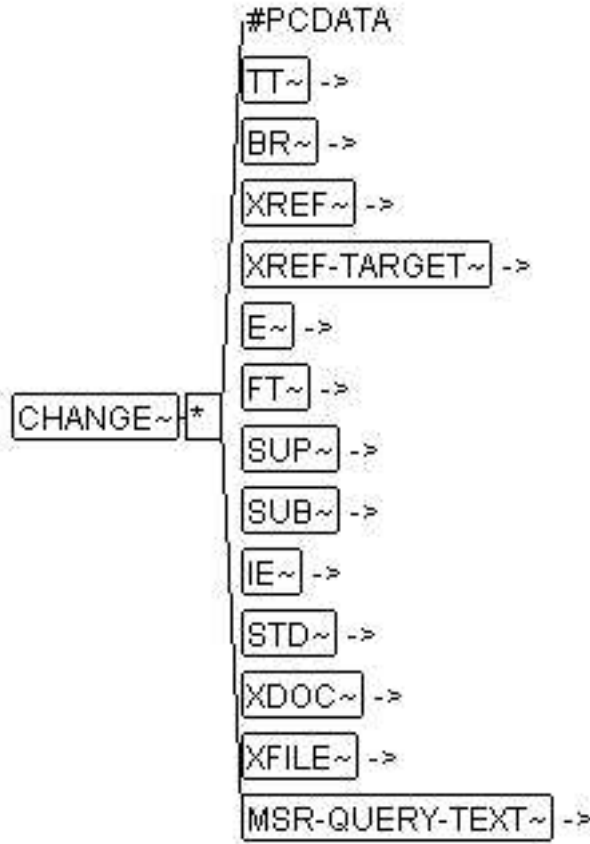
Example

```
<CHANGE>This code is now optimized for <TT TYPE="PRODUCT">C#</TT>.</CHANGE>
```

Formal Description

Context: [MODIFICATION](#)

Is context for: Text, [TT](#), [BR](#), [XREF](#), [XREF-TARGET](#), [E](#), [FT](#), [SUP](#), [SUB](#), [IE](#), [STD](#), [XDOC](#), [XFILE](#), [MSR-QUERY-TEXT](#)



CHANGE.PNG

2.11 CHANGES

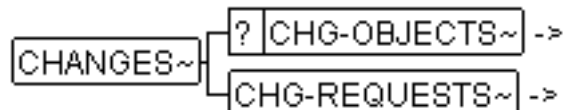
Description

Change management support is provided using <changes>. This allows to maintain multiple change managements within one document.

Formal Description

Context: [CHG-CHAPTER](#)

Is context for: [CHG-OBJECTS](#), [CHG-REQUESTS](#)



CHANGES.PNG

2.12 CHAPTER

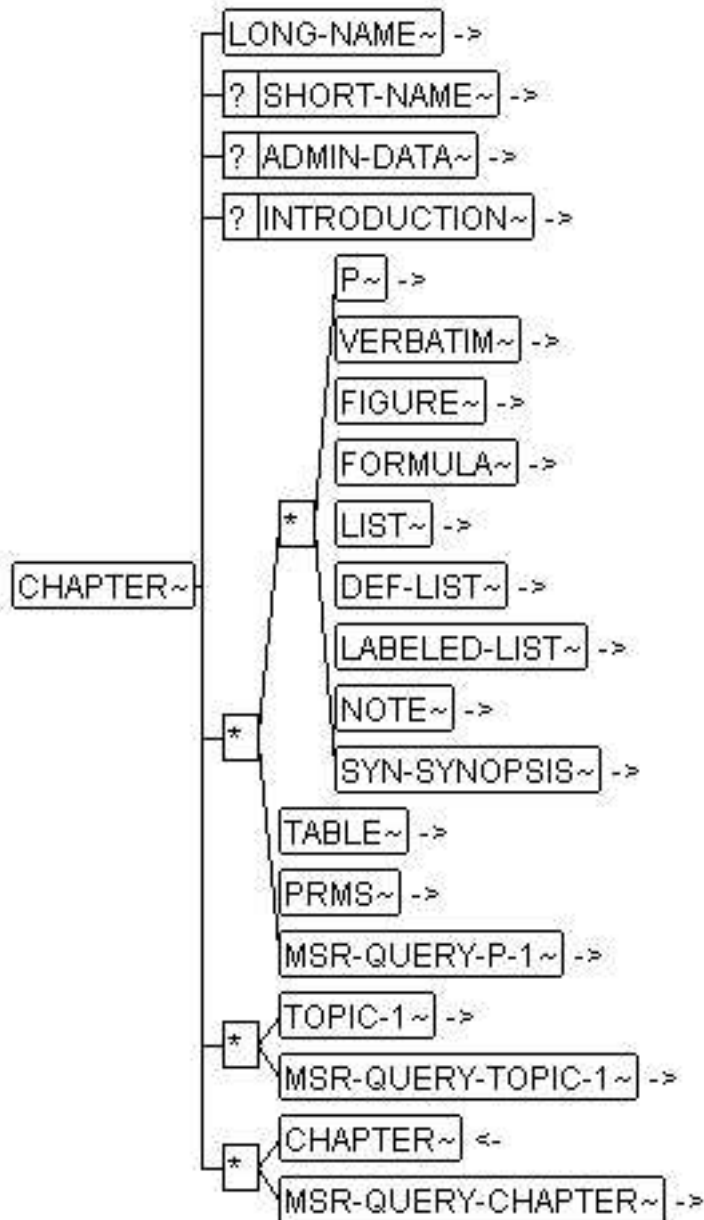
Description

Use <CHAPTER> , to create a chapter structure.

Formal Description

Context: [CHAPTER](#), [MSR-PROCESSING-LOG](#), [MSR-QUERY-RESULT-CHAPTER](#), [REPORT-BODY](#), [REPORT-HEAD](#), [REPORT-REAR](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [ADMIN-DATA](#), [INTRODUCTION](#), [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [SYN-SYNOPSIS](#), [TABLE](#), [PRMS](#), [MSR-QUERY-P-1](#), [TOPIC-1](#), [MSR-QUERY-TOPIC-1](#), [CHAPTER](#), [MSR-QUERY-CHAPTER](#)





| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|--|---|
| [BREAK] (implied) | namedtokengroup | <ul style="list-style-type: none">• BREAK• NO-BREAK | Select BREAK to insert a page break ahead of the chapter title. |
| [HELP-ENTRY] (implied) | cdata | | Enables the help to be called by marking the parent element. The syntax has its origins in the help system utilized. This is often used to calculate an object ID or a widget name hierarchy from a window system, which is then correlated with the help entries. |
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none">• KEEP• NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |
| [F-ID-CLASS] (fixed) | nmtoken | CHAPTER | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <code><TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF></code> can only link to an object which is classified as "TEAM-MEMBER" e. g: <code><TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER></code> . |

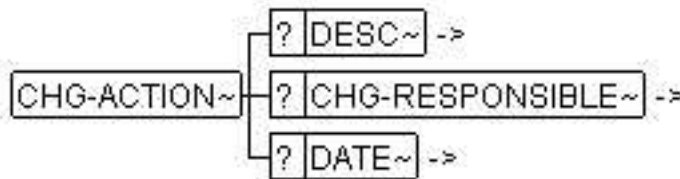
2.13 CHG-ACTION

Description

Formal Description

Context: [CHG-ACTIONS](#)

Is context for: [DESC](#), [CHG-RESPONSIBLE](#), [DATE](#)



CHG-ACTION.PNG

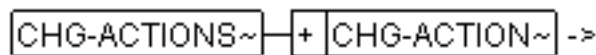
2.14 CHG-ACTIONS

Description

Formal Description

Context: [CHG-REQUEST](#)

Is context for: [CHG-ACTION](#)



CHG-ACTIONS.PNG

2.15 CHG-CHAPTER

Description

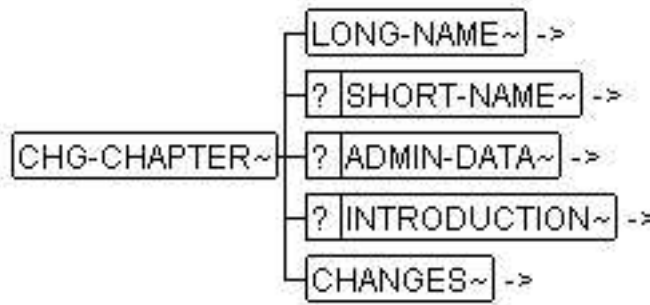
<CHG-CHAPTER> is a chapter which contains only change management documentation. <CHG-CHAPTER> can occur multiple on the chapter toplevel(1., 2., 3.). This allows to maintain multiple change management sets within one document.

<CHG-CHAPTER> is treated like a normal <CHAPTER> in <REPORT-BODY> an is numbered in the same way.

Formal Description

Context: [REPORT-BODY](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [ADMIN-DATA](#), [INTRODUCTION](#), [CHANGES](#)



CHG-CHAPTER.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|-------------|
| [ID] (implied) | id | | |
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | |
| [F-ID-CLASS] (fixed) | cdata | CHAPTER | |
| [F-NAMESPACE] (fixed) | nmtokens | CHG-OBJECT CHG-OBJECT-REVISION CHG-REQUEST | |

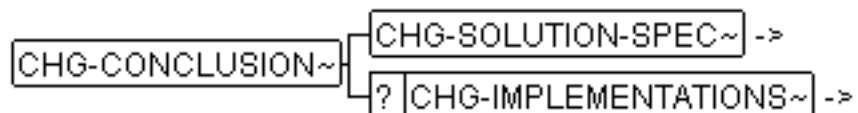
2.16 CHG-CONCLUSION

Description

Formal Description

Context: [CHG-REQUEST](#)

Is context for: [CHG-SOLUTION-SPEC](#), [CHG-IMPLEMENTATIONS](#)



CHG-CONCLUSION.PNG

2.17 CHG-EFFORT

Description

Formal Description

Context: [CHG-SOLUTION-SPEC](#)

Is context for: Text

CHG-EFFORT~ #PCDATA

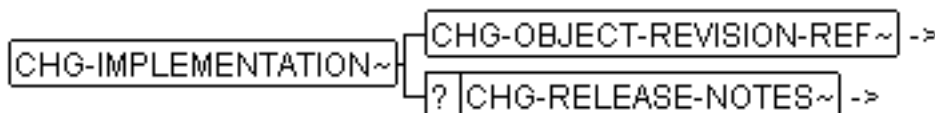
2.18 CHG-IMPLEMENTATION

Description

Formal Description

Context: [CHG-IMPLEMENTATIONS](#)

Is context for: [CHG-OBJECT-REVISION-REF](#), [CHG-RELEASE-NOTES](#)



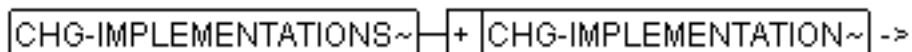
2.19 CHG-IMPLEMENTATIONS

Description

Formal Description

Context: [CHG-CONCLUSION](#)

Is context for: [CHG-IMPLEMENTATION](#)



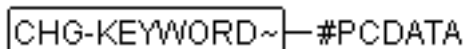
2.20 CHG-KEYWORD

Description

Formal Description

Context: [CHG-KEYWORDS](#)

Is context for: Text



CHG-KEYWORD.PNG

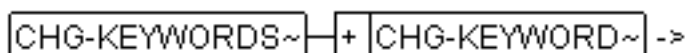
2.21 CHG-KEYWORDS

Description

Formal Description

Context: [CHG-REQUEST](#)

Is context for: [CHG-KEYWORD](#)



CHG-KEYWORDS.PNG

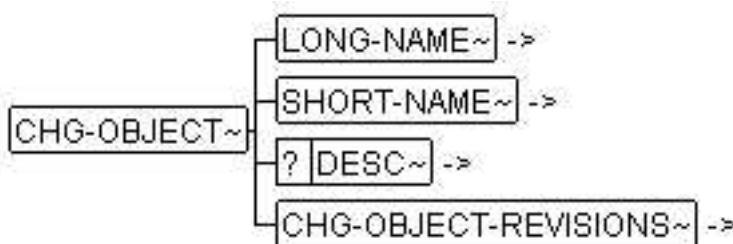
2.22 CHG-OBJECT

Description

Formal Description

Context: [CHG-OBJECTS](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [DESC](#), [CHG-OBJECT-REVISIONS](#)



CHG-OBJECT.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|---------------------------------|----------|---------------------|-------------|
| [ID] (implied) | id | | |
| [F-ID-CLASS] (fixed) | cdata | CHG-OBJECT | |
| [F-NAMESPACE] (fixed) | nmtokens | CHG-OBJECT-REVISION | |

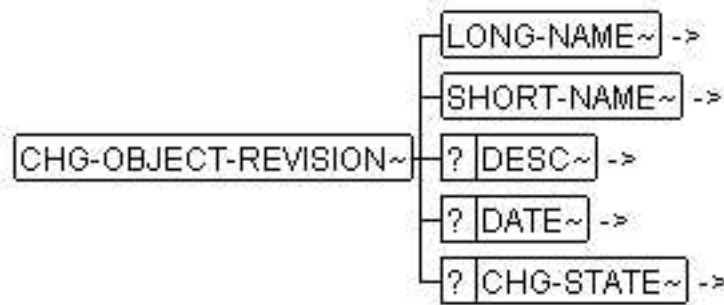
2.23 CHG-OBJECT-REVISION

Description

Formal Description

Context: [CHG-OBJECT-REVISIONS](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [DESC](#), [DATE](#), [CHG-STATE](#)



CHG-OBJECT-REVISION.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|-------|---------------------|-------------|
| [ID] (implied) | id | | |
| [F-ID-CLASS] (fixed) | cdata | CHG-OBJECT-REVISION | |

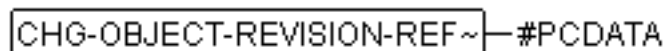
2.24 CHG-OBJECT-REVISION-REF

Description

Formal Description

Context: [CHG-IMPLEMENTATION](#), [CHG-RELATED-OBJECTS](#)

Is context for: Text



CHG-OBJECT-REVISION-REF.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|------------------------------|-------|--------------|-------------|
| [ID-REF] (implied) | idref | | |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|----------|---------------------|-------------|
| [F-ID-CLASS] (fixed) | nmtoken | CHG-OBJECT-REVISION | |
| [HYNAMES] (fixed) | nmtokens | LINKEND ID-REF | |
| [HYTIME] (fixed) | nmtoken | CLINK | |

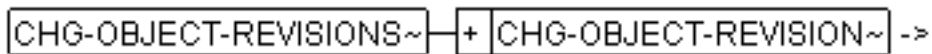
2.25 CHG-OBJECT-REVISIONS

Description

Formal Description

Context: [CHG-OBJECT](#)

Is context for: [CHG-OBJECT-REVISION](#)



CHG-OBJECTREVISIONS.PNG

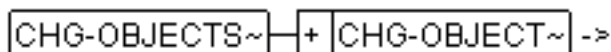
2.26 CHG-OBJECTS

Description

Formal Description

Context: [CHANGES](#)

Is context for: [CHG-OBJECT](#)



CHG-OBJECTS.PNG

2.27 CHG-PRIORITY

Description

Formal Description

Context: [CHG-REQUEST](#)

Is context for: Text

`CHG-PRIORITY~`—#PCDATA

CHG-PRIORITY.PNG

2.28 CHG-PROPOSED-BY

Description

Formal Description

Context: [CHG-REQUEST](#)

Is context for: Text

`CHG-PROPOSED-BY~`—#PCDATA

CHG-PROPOSED-BY.PNG

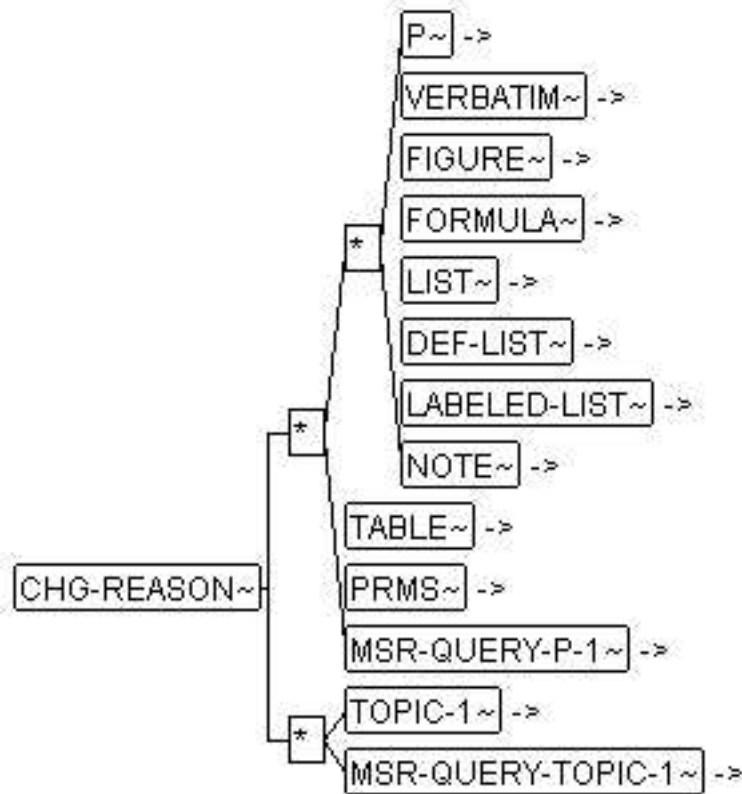
2.29 CHG-REASON

Description

Formal Description

Context: [CHG-REQUEST](#)

Is context for: [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [TABLE](#), [PRMS](#), [MSR-QUERY-P-1](#), [TOPIC-1](#), [MSR-QUERY-TOPIC-1](#)



CHG-REASON.PNG

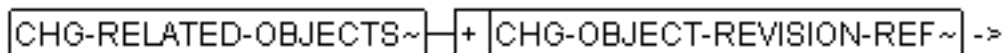
2.30 CHG-RELATED-OBJECTS

Description

Formal Description

Context: [CHG-REQUEST](#)

Is context for: [CHG-OBJECT-REVISION-REF](#)



CHG-RELATED-OBJECTS.PNG

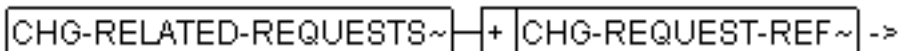
2.31 CHG-RELATED-REQUESTS

Description

Formal Description

Context: [CHG-REQUEST](#)

Is context for: [CHG-REQUEST-REF](#)



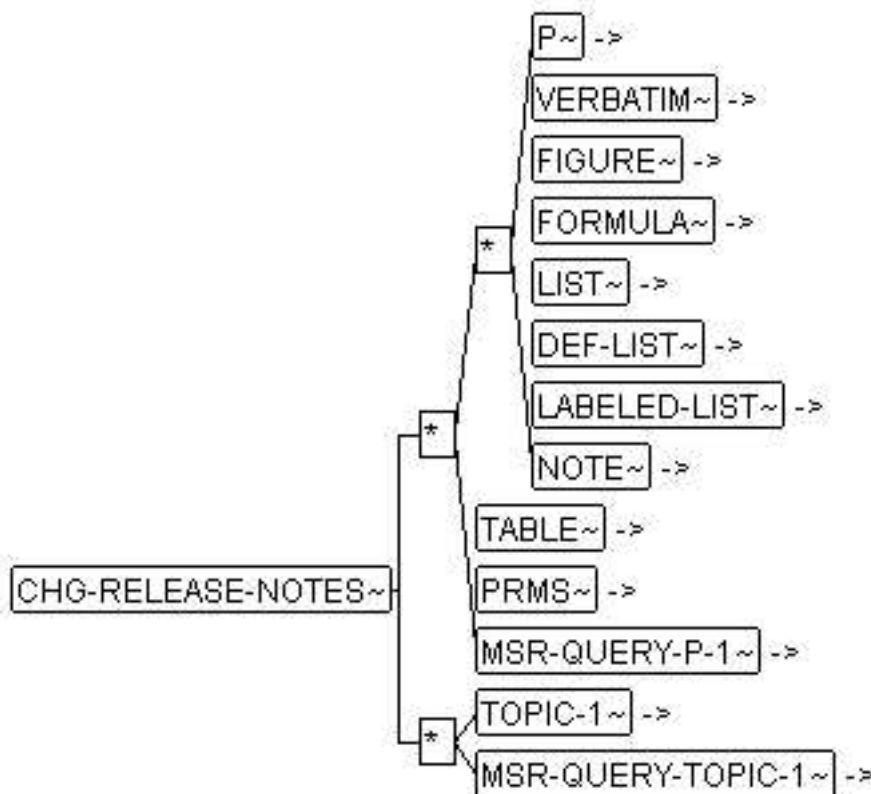
2.32 CHG-RELEASE-NOTES

Description

Formal Description

Context: [CHG-IMPLEMENTATION](#)

Is context for: [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [TABLE](#), [PRMS](#), [MSR-QUERY-P-1](#), [TOPIC-1](#), [MSR-QUERY-TOPIC-1](#)



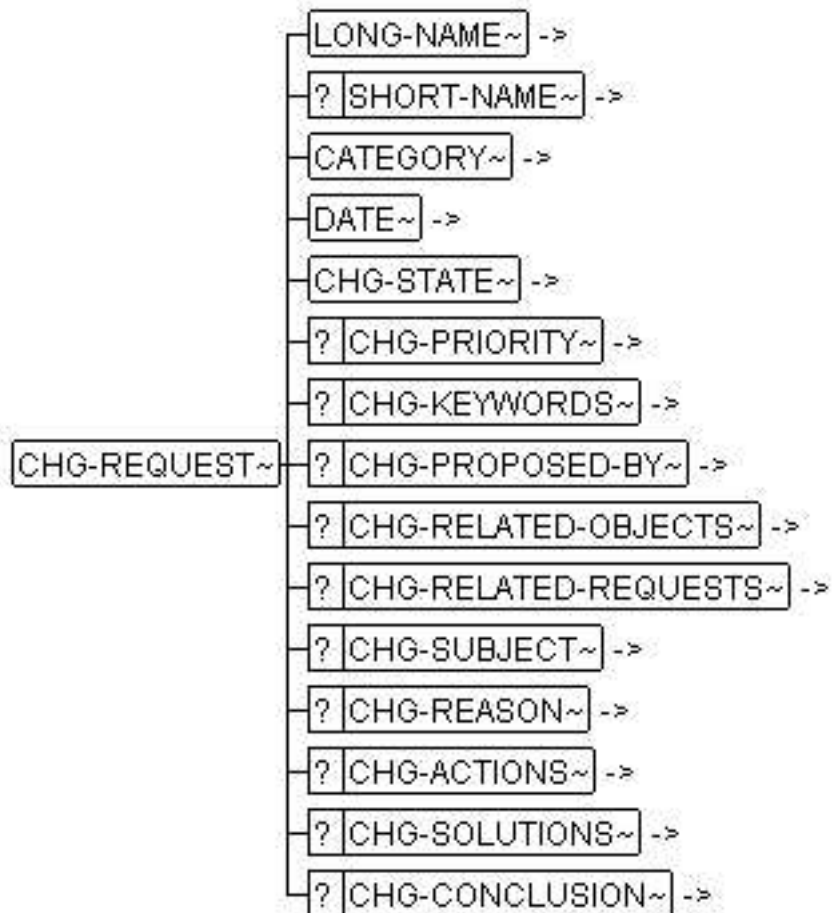
2.33 CHG-REQUEST

Description

Formal Description

Context: [CHG-REQUESTS](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [CATEGORY](#), [DATE](#), [CHG-STATE](#), [CHG-PRIORITY](#), [CHG-KEYWORDS](#), [CHG-PROPOSED-BY](#), [CHG-RELATED-OBJE](#), [CHG-RELATED-REQUESTS](#), [CHG-SUBJECT](#), [CHG-REASON](#), [CHG-ACTIONS](#), [CHG-SOLUTIONS](#), [CHG-CONCLUSION](#)



CHG-REQUEST.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|-------|--------------|-------------|
| [ID] (implied) | id | | |
| [F-ID-CLASS] (fixed) | cdata | CHG-REQUEST | |

2.34 CHG-REQUEST-REF

Description

Formal Description

Context: [CHG-RELATED-REQUESTS](#)

Is context for: Text

CHG-REQUEST-REF~ — #PCDATA

CHG-REQUESTREF.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|---------------------------------|-----------------|---|-------------|
| [RELATION] (required) | namedtokengroup | <ul style="list-style-type: none"> PREREQUISITE OTHER | |
| [ID-REF] (implied) | idref | | |
| [F-ID-CLASS] (fixed) | nmtoken | CHG-REQUEST | |
| [HYNAMES] (fixed) | nmtokens | LINKEND ID-REF | |
| [HYTIME] (fixed) | nmtoken | CLINK | |

2.35 CHG-REQUESTS

Description

Formal Description

Context: [CHANGES](#)

Is context for: [CHG-REQUEST](#)

CHG-REQUESTS~ + **CHG-REQUEST~** ->

CHG-REQUESTS.PNG

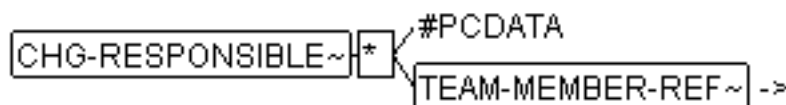
2.36 CHG-RESPONSIBLE

Description

Formal Description

Context: [CHG-ACTION](#)

Is context for: Text, [TEAM-MEMBER-REF](#)



CHG-RESPONSIBLE.PNG

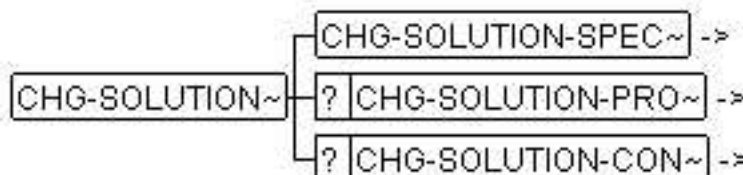
2.37 CHG-SOLUTION

Description

Formal Description

Context: [CHG-SOLUTIONS](#)

Is context for: [CHG-SOLUTION-SPEC](#), [CHG-SOLUTION-PRO](#), [CHG-SOLUTION-CON](#)



CHG-SOLUTION.PNG

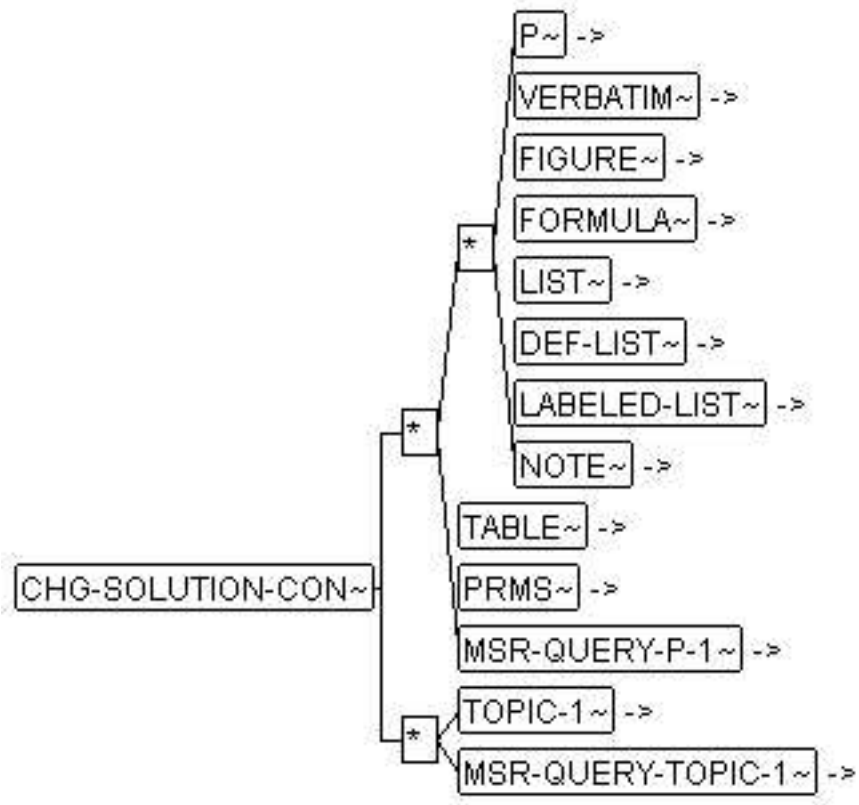
2.38 CHG-SOLUTION-CON

Description

Formal Description

Context: [CHG-SOLUTION](#)

Is context for: [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [TABLE](#), [PRMS](#), [MSR-QUERY-P-1](#), [TOPIC-1](#), [MSR-QUERY-TOPIC-1](#)



CHG-SOLUTION-CON.PNG

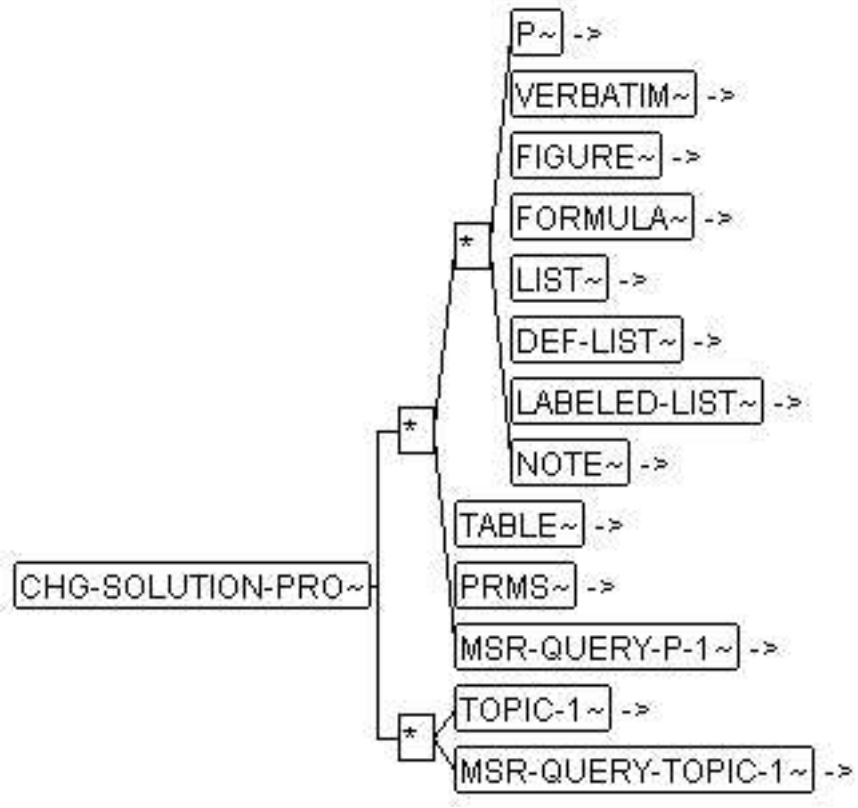
2.39 CHG-SOLUTION-PRO

Description

Formal Description

Context: [CHG-SOLUTION](#)

Is context for: [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [TABLE](#), [PRMS](#), [MSR-QUERY-P-1](#), [TOPIC-1](#), [MSR-QUERY-TOPIC-1](#)



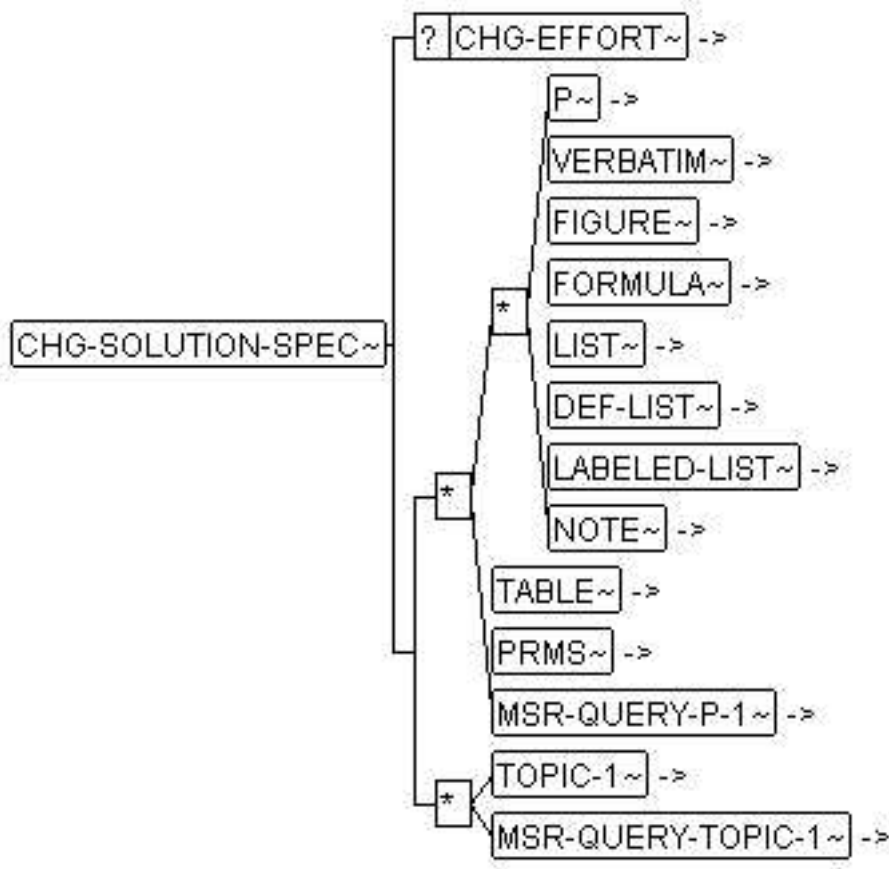
2.40 CHG-SOLUTION-SPEC

Description

Formal Description

Context: [CHG-CONCLUSION](#), [CHG-SOLUTION](#)

Is context for: [CHG-EFFORT](#), [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [TABLE](#), [PRMS](#), [MSR-QUERY-P-1](#), [TOPIC-1](#), [MSR-QUERY-TOPIC-1](#)



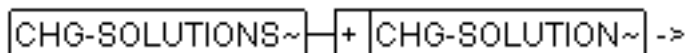
2.41 CHG-SOLUTIONS

Description

Formal Description

Context: [CHG-REQUEST](#)

Is context for: [CHG-SOLUTION](#)



2.42 CHG-STATE

Description

Formal Description

Context: [CHG-OBJECT-REVISION](#), [CHG-REQUEST](#)

Is context for: Text



CHG-STATE~—#PCDATA

CHG-STATE.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------|-----------------|--|-------------|
| [STATE] (default) | namedtokengroup | <ul style="list-style-type: none">• OPEN• PASSED• REJECTED• IN-PROCESS• DONE• POSTPONED• RELEASED• WITHDRAWN | |

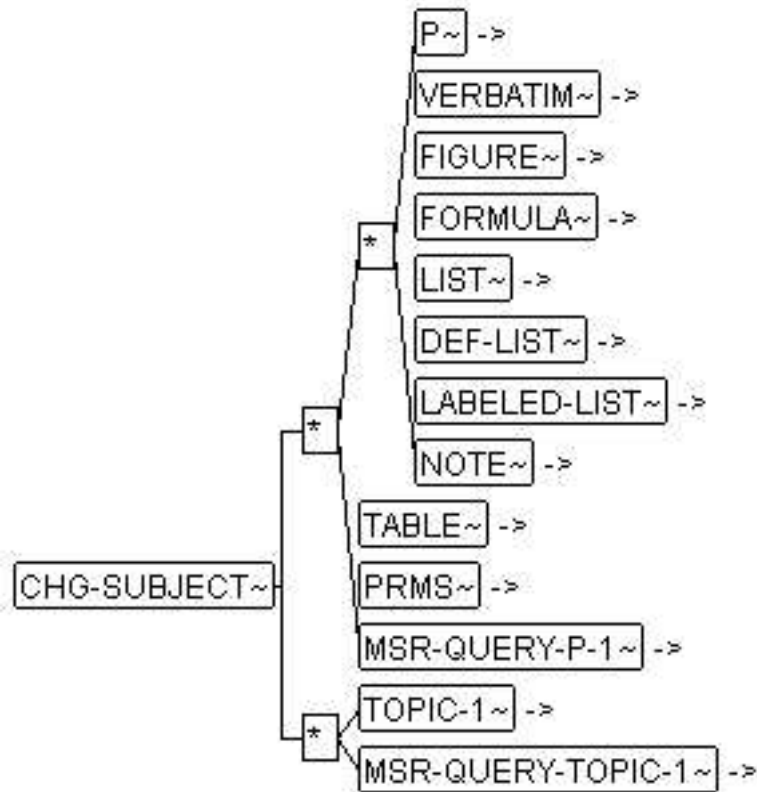
2.43 CHG-SUBJECT

Description

Formal Description

Context: [CHG-REQUEST](#)

Is context for: [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [TABLE](#), [PRMS](#), [MSR-QUERY-P-1](#), [TOPIC-1](#), [MSR-QUERY-TOPIC-1](#)



CHG-SUBJECT.PNG

2.44 CITY

Description

Use <CITY> to enter the city in the company address where a project participant is located.

Example

```
<CITY>London</CITY>
```

Formal Description

Context: [TEAM-MEMBER](#)

Is context for: Text

CITY~ #PCDATA

CITY.PNG

2.45 COLSPEC

Description

Use <COLSPEC> , to insert and specify a column in a table.

Example

```
<COLSPEC COLNAME="col1" COLNUM="1" COLWIDTH="1.00**"/>
```

Formal Description

Context: [TFOOT](#), [TGROUP](#), [THEAD](#)

Hat keinen Inhalt.

`COLSPEC` - empty

COLSPEC.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|-------------------------------|-----------------|--|---|
| [ALIGN] (implied) | namedtokengroup | <ul style="list-style-type: none"> • LEFT • RIGHT • CENTER • JUSTIFY • CHAR | LEFT - The table contents is justified left. RIGHT - The table contents is justified right. CENTER - The table contents is centered horizontally. JUSTIFY - The table contents is displayed with justified typesetting. There is an equal distance from the left and right-hand edges of the cell. CHAR - The alignment of the table contents is set by [CHAR] . |
| [CHAR] (implied) | cdata | | If [ALIGN] ="CHAR", this one-character value of [CHAR] specifies the alignment sign e.g. "bzlw", as a decimal point separator. The sign cannot be a SDATA entity. |
| [CHAROFF] (implied) | nmtoken | | If [ALIGN] ="CHAROFF", this value indicates the percentage of the current column width to the left edge of the alignment sign in the [CHAR] -attribute. If there is no alignment sign in the element <COLSPEC> , alignment is always horizontal right. The default value is taken from <TGROUP> . |
| [COLNAME] (implied) | nmtoken | | Now, specify an identification name for the column that has been modified, e.g. column1 for the first one. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|---|
| [COLNUM] (implied) | nmtoken | | At this point you should specify the placement of the modified column within the table, e.g. 1 for the first column. |
| [COLSEP] (implied) | nmtoken | | At this point, you should determine whether the column guides are to be visible. You should enter 0 , if no column guides are to be displayed. You should enter 1 , if the column guides are to be displayed. |
| [COLWIDTH] (implied) | cdata | | Next, specify the width of the modified column in the table. You can enter absolute values such as 4 cm, or relative values marked with *, e.g. 2* for column widths double those of other columns. |
| [ROWSEP] (implied) | nmtoken | | At this point, you should determine whether the column guides are to be visible. You should enter 0 , if no row guides are to be displayed. You should enter 1 , if the row guides are to be displayed. |

2.46 COMMENT

Description

This element contains a commentary in text form.

Example

<COMMENT>This section is maintained by John.</COMMENT>

Formal Description

Context: [MSR-QUERY-PROPS](#)

Is context for: Text

COMMENT~ #PCDATA

COMMENT.PNG

2.47 COMPANIES

Description

<COMPANIES> can be used to describe the companies involved in the project. The company responsible for the generation or maintenance of the file or some parts of the file is determined by a <TEAM-MEMBER-REF> within <ADMIN-DATA> . In simple cases there is only one company.

Formal Description

Context: [REPORT-HEAD](#)

Is context for: [COMPANY](#)

COMPANIES~ + COMPANY~ ->

COMPANIES.PNG

2.48 COMPANY

Description

Use <COMPANY> , to describe the company, its role and its members.

Formal Description

Context: [COMPANIES](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [ROLES](#), [TEAM-MEMBERS](#)

COMPANY~ LONG-NAME~ ->
SHORT-NAME~ ->
? ROLES~ ->
? TEAM-MEMBERS~ ->

COMPANY.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|-------------------|-----|--------------|--|
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |



| Attribut | Typ | Wertebereich | Anmerkungen |
|----------------------------------|---------|------------------|--|
| [ROLE] (implied) | nmtoken | | Select MANUFACTURER, if the company participating in the project is a manufacturer/partner. Select SUPPLIER, if this is the function of the company participating in the project. |
| [F-CHILD-TYPE] (fixed) | cdata | LONG-NAME:SELECT | Fixed Child Type. Warning: This attribute is included in the DTD for compatibility with older versions and should not be used for any new implementations. It may be removed in future versions of the DTD. The attribute contains information stating which child elements of the element carrying this attribute, should be checked by a semantic checker. |
| [F-ID-CLASS] (fixed) | nmtoken | COMPANY | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF> can only link to an object which is classified as "TEAM-MEMBER" like: <TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER>. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|---------------------------------|----------|--------------|---|
| [F-NAMESPACE] (fixed) | nmtokens | TEAM-MEMBER | Fixed Namespace. This attribute is assigned to elements which define a namespace for linkable objects. The attribute contains a list of elements, where the element carrying the attribute serves as a namespace. This is used by processors which use the MSR natural linking mechanism. (Natural links address their link target with a sequence of short-names including the namespaces and the object itself e.g. '/test.xml/sw-system1/sw-var1') |

2.49 COMPANY-DOC-INFO

Description

Use **<COMPANY-DOC-INFO>** , to generate document information on the companies participating in the project.

Formal Description

Context: [COMPANY-DOC-INFOS](#)

Is context for: [COMPANY-REF](#), [DOC-LABEL](#), [TEAM-MEMBER-REF](#), [SDGS](#)



COMPANY-DOC-INFO.PNG

2.50 COMPANY-DOC-INFOS

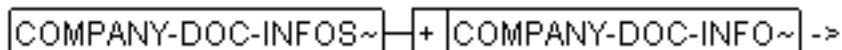
Description

Use **<COMPANY-DOC-INFOS>** , to generate a summary of the document information on the companies participating in the project.

Formal Description

Context: [ADMIN-DATA](#)

Is context for: [COMPANY-DOC-INFO](#)



COMPANY-DOC-INFOS.PNG

2.51

COMPANY-REF

Description

Use `<COMPANY-REF>` , to refer to the company for which you wish to generate corporate-specific document information.

Formal Description

Context: [COMPANY-DOC-INFO](#), [COMPANY-REVISION-INFO](#)

Is context for: Text



COMPANYREF.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|------------------------------|-------|--------------|---|
| [ID-REF] (implied) | idref | | Reference to an element made unambiguous through an ID attribute value within the document. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|----------|----------------|--|
| [F-ID-CLASS] (fixed) | nmtoken | COMPANY | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF> can only link to an object which is classified as "TEAM-MEMBER" e. g: <TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER>. |
| [HYNAMES] (fixed) | nmtokens | LINKEND ID-REF | HYNAMES is a mapping functionality defined in ISO 10744 HYTIME (Hypermedia/Time-based Structuring Language). The names of the locator attributes (e.g. ID-REF) used to address the target of a hyperlink can be mapped to names defined in the HYTIME standard, LINKEND. This enables the use of a generic architectural form processor for link processing and transition. |
| [HYTIME] (fixed) | nmtoken | CLINK | HYTIME is the standard attribute used to define a HYTIME architectural form. This functionality is defined in ISO 10744 HYTIME (Hypermedia/Time-based Structuring Language). It enables the use of a generic architectural form processor for link processing and transition. |

2.52 COMPANY-REVISION-INFO

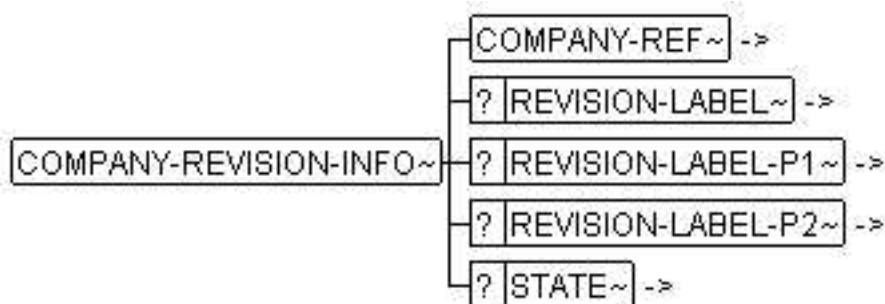
Description

Use <COMPANY-REVISION-INFO> , to generate information on document version within the respective company.

Formal Description

Context: [COMPANY-REVISION-INFOS](#)

Is context for: [COMPANY-REF](#), [REVISION-LABEL](#), [REVISION-LABEL-P1](#), [REVISION-LABEL-P2](#), [STATE](#)



COMPANY-REVISION-INFO.PNG

2.53 COMPANY-REVISION-INFOS

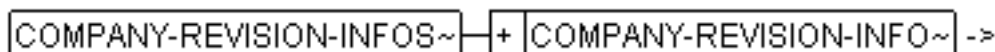
Description

Use <COMPANY-REVISION-INFOS> , to generate a summary of the information on document version within a company.

Formal Description

Context: [DOC-REVISION](#)

Is context for: [COMPANY-REVISION-INFO](#)



COMPANY-REVISION-INFOS.PNG

2.54 COND

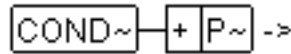
Description

Use <COND> , to enter marginal conditions for which parameter values are valid.

Formal Description

Context: [PRM-CHAR](#)

Is context for: [P](#)



COND.PNG

2.55

DATE

Description

<DATE> is used to capture a time stamp. It must match to one of the following syntaxes based on [*Standard: Representation of dates and times*]. In multilingual DTDs **<DATE>** is also multilingual.

`<YYYY>-<MM>-<DD> [T<hh>:<mm>:<ss>]`

`<YYYY>.<MM>.<DD> [T<hh>:<mm>:<ss>]`

`<YYYY>/<MM>/<DD> [T<hh>:<mm>:<ss>]`

The last pattern is the most preferred one, since it reflects a common use in US.

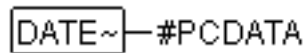
Example

`<DATE>2001-03-20T09:00:00</DATE>`

Formal Description

Context: [CHG-ACTION](#), [CHG-OBJECT-REVISION](#), [CHG-REQUEST](#), [DOC-REVISION](#)

Is context for: Text



DATE.PNG

2.56

DATE-1

Description

Use **<DATE-1>**, to enter the validity date of a standard document, or the creation date of an external document.

The element is like **<DATE>** but is never handled multilingual.

<DATE> is used to capture a time stamp. It must match to one of the following syntaxes based on [*Standard: Representation of dates and times*]:

`<YYYY>-<MM>-<DD> [T<hh>:<mm>:<ss>]`

`<YYYY>.<MM>.<DD> [T<hh>:<mm>:<ss>]`

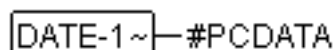
`<YYYY>/<MM>/<DD> [T<hh>:<mm>:<ss>]`

The last pattern is the most preferred one, since it reflects a common use in US.

Formal Description

Context: [STD](#), [XDOC](#)

Is context for: Text



DATE-1.PNG

2.57 DEF

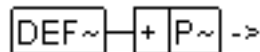
Description

Use `<DEF>` , to enter a paragraph within the definition list for describing the title.

Formal Description

Context: [DEF-ITEM](#)

Is context for: [P](#)



DEF.PNG

2.58 DEF-ITEM

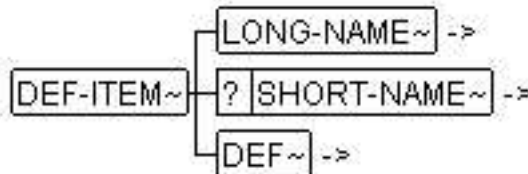
Description

Use `<DEF-ITEM>` , to enter the title of an enumeration element in the definition list.

Formal Description

Context: [DEF-LIST](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [DEF](#)



DEF-ITEM.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|----------------------------------|-------|--------------|--|
| [HELP-ENTRY] (implied) | cdata | | Enables the help to be called by marking the father element. The syntax has its origins in the help system utilized. This is often used to calculate a widget name hierarchy from a widow system, which is then correlated with the help entries. For example: |
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|--|
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |
| [F-ID-CLASS] (fixed) | nmtoken | DEF-ITEM | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF> can only link to an object which is classified as "TEAM-MEMBER" e. g: <TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER>. |

2.59 DEF-LIST

Description

Use <DEF-LIST> , to create a definition list, where the marginal notes can be referenced.

Formal Description

Context: [ABSTRACT](#), [ADD-INFO-5](#), [CHAPTER](#), [CHG-REASON](#), [CHG-RELEASE-NOTES](#),
[CHG-SOLUTION-CON](#), [CHG-SOLUTION-PRO](#), [CHG-SOLUTION-SPEC](#),
[CHG-SUBJECT](#), [ENTRY](#), [INTRODUCTION](#), [ITEM](#), [LABELED-ITEM](#),
[MSR-PROCESSING-LOG](#), [MSR-QUERY-RESULT-P-1](#), [MSR-QUERY-RESULT-P-2](#),
[TOPIC-1](#), [TOPIC-2](#)

Is context for: [DEF-ITEM](#)



DEF-LIST.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |

2.60 DEPARTMENT

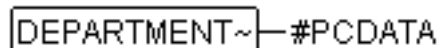
Description

Use **<DEPARTMENT>** , to enter the department of a project participant.

Formal Description

Context: [TEAM-MEMBER](#)

Is context for: Text



DEPARTMENT.PNG

2.61 DESC

Description

<DESC> represents a general but brief description of the object in question.

Example

<DESC> This calibration is a gain

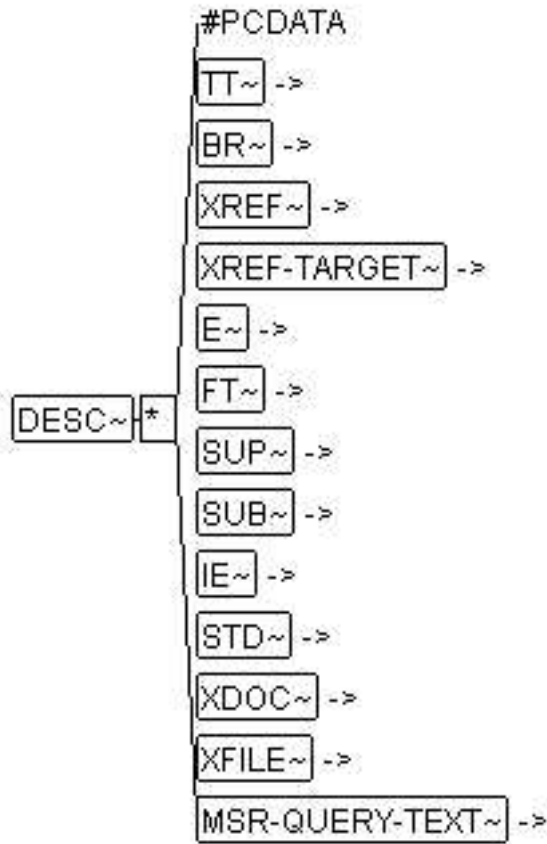
</DESC>

that is used for the transition period between crank to run. It between 1000 and 1500.

Formal Description

Context: [CHG-ACTION](#), [CHG-OBJECT](#), [CHG-OBJECT-REVISION](#), [FIGURE](#), [PRM](#), [SDG-CAPTION](#), [SYN-ARGUMENT](#), [SYN-CAPTION](#), [SYN-EXAMPLE](#), [SYN-RETURN-VALUE](#), [SYN-SEMANTICS](#)

Is context for: Text, [TT](#), [BR](#), [XREF](#), [XREF-TARGET](#), [E](#), [FT](#), [SUP](#), [SUB](#), [IE](#), [STD](#), [XDOC](#), [XFILE](#), [MSR-QUERY-TEXT](#)



DESC.PNG

2.62 DOC-LABEL

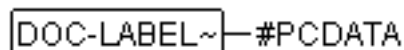
Description

Use **<DOC-LABEL>** , to enter the title of the document, or a label for the part of the document for which you wish to generate administrative data.

Formal Description

Context: [COMPANY-DOC-INFO](#)

Is context for: Text



DOC-LABEL.PNG

2.63 DOC-REVISION

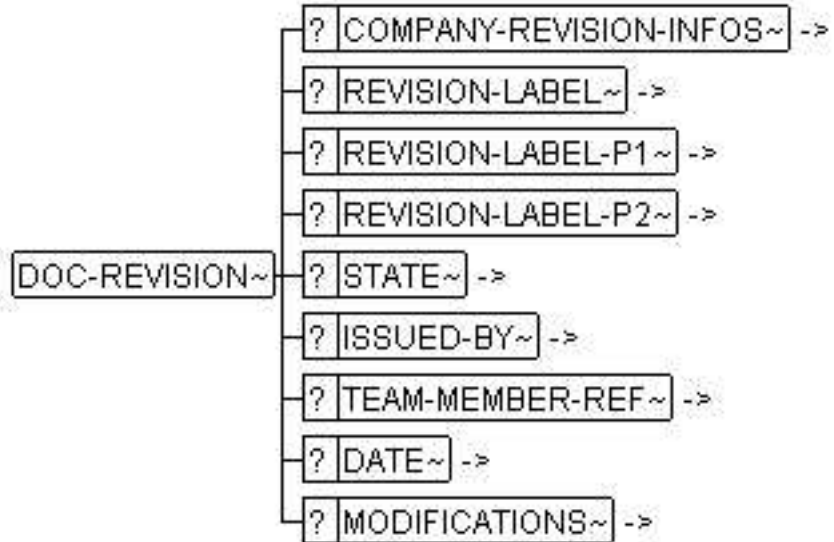
Description

Use **<DOC-REVISION>** , to generate information on the corresponding document version.

Formal Description

Context: [DOC-REVISIONS](#)

Is context for: [COMPANY-REVISION-INFOS](#), [REVISION-LABEL](#), [REVISION-LABEL-P1](#),
[REVISION-LABEL-P2](#), [STATE](#), [ISSUED-BY](#), [TEAM-MEMBER-REF](#),
[DATE](#), [MODIFICATIONS](#)



DOC-REVISION.PNG

2.64 DOC-REVISIONS

Description

<DOC-REVISIONS> is a container for the entire change-history for an object containing <ADMIN-DATA> and <DOC-REVISIONS>. Although the sequence of changes can be determined by sorting <DOC-REVISIONS> according to <DOC-REVISION>/ <DATE>, it is recommended that the most recent <DOC-REVISION> is the first child of <DOC-REVISIONS> .

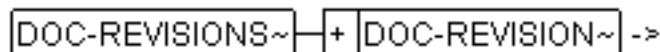
Example

For an example, see [ADMIN-DATA](#)Chapter 2.5 ADMIN-DATA p. 12 .

Formal Description

Context: [ADMIN-DATA](#)

Is context for: [DOC-REVISION](#)



DOC-REVISIONS.PNG

2.65 E

Description

Use <E> , to highlight sections of text within a paragraph element.

Formal Description

Context: [CHANGE](#), [DESC](#), [FT](#), [INDENT-SAMPLE](#), [ITEM-LABEL](#), [LABEL](#), [LONG-NAME](#), [LONG-NAME-1](#), [MAIN-TITLE](#), [MSR-QUERY-RESULT-TEXT](#), [OVERALL-TITLE](#), [P](#), [REASON](#), [SUB-TITLE](#), [VERBATIM](#)

Is context for: Text

E~—#PCDATA

E.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------|-----------------|--|--|
| [TYPE] (default) | namedtokengroup | <ul style="list-style-type: none"> • BOLD • ITALIC • BOLDITALIC • PLAIN | You can highlight text using BOLD or ITALIC to alter its appearance. |
| [COLOR] (implied) | cdata | | Color value, specified in SRBG (http://www.w3.org/Graphics/Color/sRGB) A Color value can either be a hexadecimal value (prefixed with #) or one of the predefined color names, e.g "black", "dodgerblue" or "indianred". The color names are case-insensitive. |
| [FONT] (implied) | namedtokengroup | <ul style="list-style-type: none"> • MONO • DEFAULT | |

2.66 EMAIL

Description

Use <EMAIL> , to enter the email address of a project participant.

Formal Description

Context: [TEAM-MEMBER](#)

Is context for: Text

EMAIL~—#PCDATA

EMAIL.PNG

2.67 ENTRY

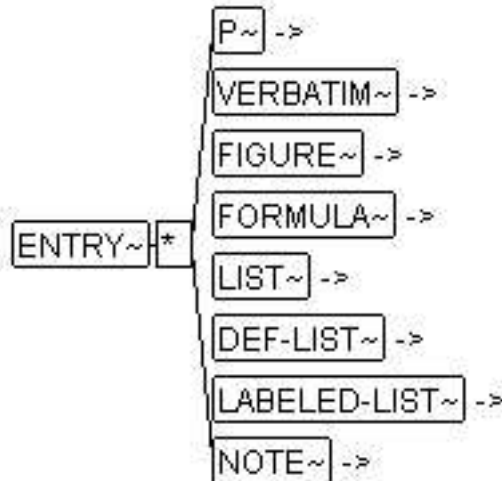
Description

Use <ENTRY> , that contains a paragraph element to display the contents of a table cell.

Formal Description

Context: [ROW](#)

Is context for: [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABLED-LIST](#), [NOTE](#)



ENTRY.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|-----------------|--|---|
| [MOREROWS] (default) | nmtoken | 0 | Modify the attribute to merge the appropriate <ENTRY> cell with the cells belonging to the subsequent rows. Enter 0 if you do not wish to merge any cells. Enter 1 to merge a cell with a cell in the next row. Enter a numeric value n to merge a cell with cells in n subsequent rows. |
| [ROTATE] (default) | nmtoken | 0 | Enter the angle by which the contents of a cell should be rotated. |
| [VALIGN] (default) | namedtokengroup | <ul style="list-style-type: none"> • TOP • BOTTOM • MIDDLE | TOP - The contents of the table is aligned to the upper edge of the cell. BOTTOM - The contents of the table is aligned to the lower edge of the cell. MIDDLE - The contents of the table is centered to the vertical. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|-------------------------------|-----------------|--|--|
| [ALIGN] (implied) | namedtokengroup | <ul style="list-style-type: none"> • LEFT • RIGHT • CENTER • JUSTIFY • CHAR | <p>LEFT - The table contents is justified left.</p> <p>RIGHT - The table contents is justified right.</p> <p>CENTER - The table contents is centered horizontally.</p> <p>JUSTIFY - The table contents is displayed with justified typesetting. There is an equal distance from the left and right-hand edges of the cell.</p> <p>CHAR - The alignment of the table contents is set by [CHAR] .</p> |
| [CHAR] (implied) | cdata | | <p>If [ALIGN]="CHAR", this specifies the alignment sign e.g. "bzlw", as a decimal point separator from an existing value of [CHAR] . The sign cannot be a SDATA entity.</p> |
| [CHAROFF] (implied) | nmtoken | | <p>If [ALIGN]="CHAR", this value indicates the percentage of the current column width to the left edge of the alignment sign in the [CHAR]-attribute. If there is no alignment sign in the element <ENTRY>, alignment is always horizontal right. The default value is taken from <COLSPEC> or <SPANSPEC> .</p> |
| [COLNAME] (implied) | nmtoken | | <p>Now, specify an identification name for the column that has been modified, e.g. column1 for the first one.</p> |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|---|
| [COLSEP] (implied) | nmtoken | | At this point, you should determine whether the column guides of a cell are to be visible. You should enter 0 , if no column guides are to be displayed. You should enter 1 , if the column guides are to be displayed. |
| [NAMEEND] (implied) | nmtoken | | Identification number of the final column included in the merge. |
| [NAMEST] (implied) | nmtoken | | Identification number of the first column to be merged. |
| [ROWSEP] (implied) | nmtoken | | At this point, you should determine whether the row guides of a cell are to be visible. You should enter 0 , if no row guides are to be displayed. You should enter 1 , if the row guides are to be displayed. |
| [SPANNAME] (implied) | nmtoken | | Identification name of a specified column merge. |

2.68 FAX

Description

Use **<FAX>**, to enter the fax number of a project participant.

Formal Description

Context: [TEAM-MEMBER](#)

Is context for: Text

FAX~—#PCDATA

FAX.PNG

2.69 FIGURE

Description

Use **<FIGURE>**, to integrate graphics into a document.

Formal Description

Context: [ABSTRACT](#), [ADD-INFO-5](#), [CHAPTER](#), [CHG-REASON](#), [CHG-RELEASE-NOTES](#),
[CHG-SOLUTION-CON](#), [CHG-SOLUTION-PRO](#), [CHG-SOLUTION-SPEC](#),
[CHG-SUBJECT](#), [ENTRY](#), [INTRODUCTION](#), [ITEM](#), [LABELED-ITEM](#),
[MSR-PROCESSING-LOG](#), [MSR-QUERY-RESULT-P-1](#), [MSR-QUERY-RESULT-P-2](#),
[TOPIC-1](#), [TOPIC-2](#)

Is context for: [FIGURE-CAPTION](#), [GRAPHIC](#), [MAP](#), [VERBATIM](#), [DESC](#)

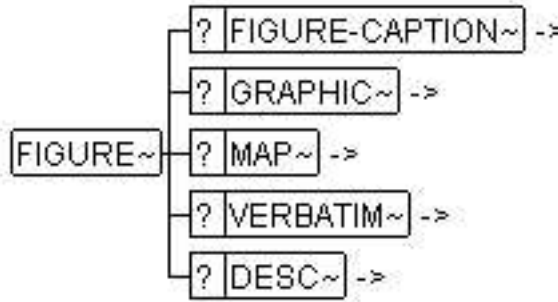


FIGURE.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------|-----------------|---|---|
| [FLOAT] (implied) | namedtokengroup | <ul style="list-style-type: none"> FLOAT NO-FLOAT | Permits a check, in the case of a <FIGURE> that cannot be broken up, to determine whether the <FIGURE> can be shifted elsewhere, so that the page can be used to a greater advantage (compare to flat at TeX). |
| [FRAME] (implied) | namedtokengroup | <ul style="list-style-type: none"> TOP BOTTOM TOPBOT ALL SIDES NONE | TOP - Border at the top of the picture BOTTOM - Border at the bottom of the figure TOPBOT - Borders at the top and bottom of the figure ALL - Borders all around the figure SIDES - Borders at the sides of the figure NONE - No borders around the figure |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|--|
| [HELP-ENTRY] (implied) | cdata | | Enables the help to be called by marking the father element. The syntax has its origins in the help system utilized. This is often used to calculate a widget name hierarchy from a widow system, which is then correlated with the help entries. For example: |
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> • KEEP • NO-KEEP | KEEP: ensures that the graphic and the element preceding it are not separated. NO-KEEP separates the two elements. |
| [PGWIDE] (implied) | namedtokengroup | <ul style="list-style-type: none"> • PGWIDE • NO-PGWIDE | PGWIDE: enables the expansion of the diagram to fit across the entire page. NO-PGWIDIE suppresses expansion across the page if, for example, a fixed margin has been given. |

2.70 FIGURE-CAPTION

Description

This element specifies the title of an illustration.

Formal Description

Context: [FIGURE](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#)

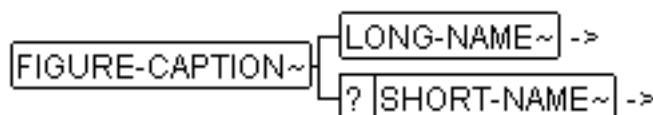


FIGURE-CAPTION.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------|-----|--------------|--|
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|---|
| [F-ID-CLASS] (fixed) | nmtoken | FIGURE | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <code><TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF></code> can only link to an object which is classified as "TEAM-MEMBER" e. g: <code><TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER></code> . |

2.71 FORMATTER-CTRL

Description

This element contains instructions to be formatted that can be freely specified, such as the scope of the context in which `<FORMATTER-CTRL>` is located. Here, the attribute **[SI]** can carry on further useful information obtained through the formatting process.

Formal Description

Context: [FORMATTER-CTRLS](#)

Is context for: Text

```
FORMATTER-CTRL~|#PCDATA
```

FORMATTER-CTRL.PNG

| Attribut | Typ | Anmerkungen |
|-------------------------------------|-------|---|
| [TARGET-SYSTEM] (implied) | cdata | This attribute can specify a target system which is valid for the current setting. If the attribute is absent, it is valid for all target systems. The target systems determine how this attribute should be interpreted. For example, the view control on creation of a help file could proceed in the following way: if there is a formatter-ctrl, si="view" target-system="htmlhelp", this will be used. If there is no specific view, but a formatter-ctrl si="view", without a target system specification, then this is used. |

2.72 FORMATTER-CTRLS

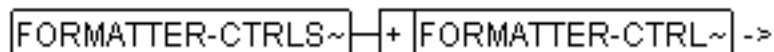
Description

Container-Element for **<FORMATTER-CTRL>** .

Formal Description

Context: [ADMIN-DATA](#)

Is context for: [FORMATTER-CTRL](#)



FORMATTER-CTRLS.PNG

2.73 FORMULA

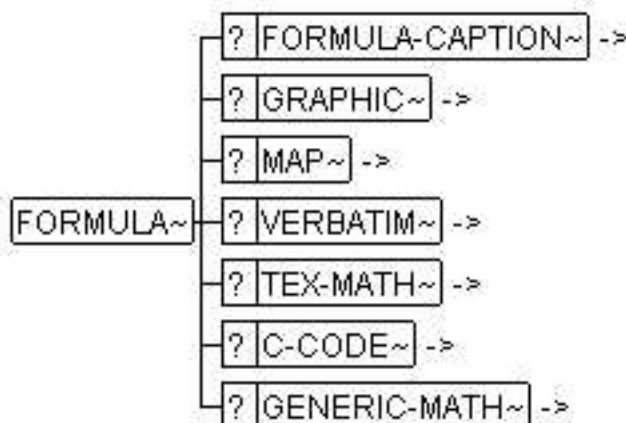
Description

Use **<FORMULA>** , to enter a formula in a document.

Formal Description

Context: [ABSTRACT](#), [ADD-INFO-5](#), [CHAPTER](#), [CHG-REASON](#), [CHG-RELEASE-NOTES](#), [CHG-SOLUTION-CON](#), [CHG-SOLUTION-PRO](#), [CHG-SOLUTION-SPEC](#), [CHG-SUBJECT](#), [ENTRY](#), [INTRODUCTION](#), [ITEM](#), [LABELED-ITEM](#), [MSR-PROCESSING-LOG](#), [MSR-QUERY-RESULT-P-1](#), [MSR-QUERY-RESULT-P-2](#), [TOPIC-1](#), [TOPIC-2](#)

Is context for: [FORMULA-CAPTION](#), [GRAPHIC](#), [MAP](#), [VERBATIM](#), [TEX-MATH](#), [C-CODE](#), [GENERIC-MATH](#)



FORMULA.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|--|
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | KEEP: ensures that the formula and the element preceding it are not separated. NO-KEEP separates the two elements. |

2.74 FORMULA-CAPTION

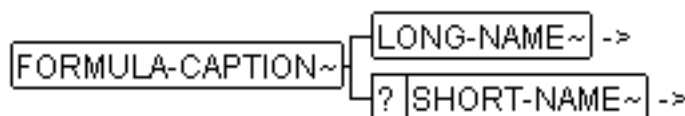
Description

This element specifies the identification or heading of a formula.

Formal Description

Context: [FORMULA](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#)



FORMULA-CAPTION.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------|-----|--------------|--|
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|--|
| [F-ID-CLASS] (fixed) | nmtoken | FORMULA | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF> can only link to an object which is classified as "TEAM-MEMBER" e. g: <TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER>. |

2.75

FT

Description

Use <FT> , to create a footnote.

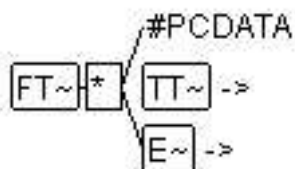
Example

<FT>This text appears as a footnote</FT>

Formal Description

Context: [CHANGE](#), [DESC](#), [INDENT-SAMPLE](#), [ITEM-LABEL](#), [MAIN-TITLE](#),
[MSR-QUERY-RESULT-TEXT](#), [OVERALL-TITLE](#), [P](#), [REASON](#),
[SUB-TITLE](#)

Is context for: Text, [TT](#), [E](#)



FTPNG

2.76 GENERIC-MATH

Description

Use <**GENERIC-MATH**> to insert semantic and mathematical descriptions which are processed by a math-processor.

Formal Description

Context: [FORMULA](#)

Is context for: Text

`GENERIC-MATH~`—#PCDATA

GENERIC-MATH.PNG

2.77 GRAPHIC

Description

Use <**GRAPHIC**> , to integrate an already existing graphic in the context elements.

Formal Description

Context: [FIGURE](#), [FORMULA](#)

Is context for: Text

`GRAPHIC~`—#PCDATA

GRAPHIC.PNG



| Attribut | Typ | Wertebereich | Anmerkungen |
|-------------------------------|-----------------|---|---|
| [EDITFIT] (default) | namedtokengroup | <ul style="list-style-type: none">• AS-IS• ROTATE-90-CW• ROTATE-90-CCW• ROTATE-180• FIT-TO-TEXT• FIT-TO-PAGE• LIMIT-TO-TEXT• LIMIT-TO-PAGE• ROTATE-90-CW-FIT-TO-TEXT• ROTATE-90-CCW-FIT-TO-TEXT• ROTATE-180-LIMIT-TO-TEXT• ROTATE-90-CW-LIMIT-TO-PAGE• ROTATE-90-CCW-LIMIT-TO-PAGE• ROTATE-180-LIMIT-TO-PAGE• 0• 1• 2• 3 | FIT properties of the graphic in edit mode. |



| Attribut | Typ | Wertebereich | Anmerkungen |
|---------------------------|-----------------|---|--|
| [FIT] (default) | namedtokengroup | <ul style="list-style-type: none">• AS-IS• ROTATE-90-CW• ROTATE-90-CCW• ROTATE-180• FIT-TO-TEXT• FIT-TO-PAGE• LIMIT-TO-TEXT• LIMIT-TO-PAGE• ROTATE-90-CW-FIT-TO-TEXT• ROTATE-90-CCW-FIT-TO-TEXT• ROTATE-180-LIMIT-TO-TEXT• ROTATE-90-CW-LIMIT-TO-PAGE• ROTATE-90-CCW-LIMIT-TO-PAGE• ROTATE-180-LIMIT-TO-PAGE• 0• 1• 2• 3 | Modify the attribute [FIT] , to determine the way in which the graphic should be inserted. Enter the attribute value 0 , to insert a graphic in its original dimensions. The graphic is adapted, if it is too big for the space for which it was intended. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------------|-----------------|--|--|
| [HTML-FIT] (default) | namedtokengroup | <ul style="list-style-type: none"> • AS-IS • ROTATE-90-CW • ROTATE-90-CCW • ROTATE-180 • FIT-TO-TEXT • FIT-TO-PAGE • LIMIT-TO-TEXT • LIMIT-TO-PAGE • ROTATE-90-CW-FIT-TO-TEXT • ROTATE-90-CCW-FIT-TO-TEXT • ROTATE-180-LIMIT-TO-TEXT • ROTATE-90-CW-LIMIT-TO-PAGE • ROTATE-90-CCW-LIMIT-TO-PAGE • ROTATE-180-LIMIT-TO-PAGE • 0 • 1 • 2 • 3 | Determines whether the graphic should be adapted to fit the dimensions of the window. |
| [CATEGORY] (implied) | namedtokengroup | <ul style="list-style-type: none"> • BARCODE • CONCEPTUAL • ENGINEERING • FLOWCHART • GRAPH • LOGO • SCHEMATIC • WAVEFORM | Here, you can enter the category of the graphic. This can be used to generate a list of graphics from specific categories. |
| [EDIT-HEIGHT] (implied) | cdata | | Height of the graphic in editor |
| [EDIT-WIDTH] (implied) | cdata | | Width of the graphic in editor |
| [EDITSCALE] (implied) | cdata | | Scale of the graphic in edit mode. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------------|-------|--------------|--|
| [FILENAME] (implied) | cdata | | Here, you should enter the file name under which the system for reproduction can call the graphic. |
| [HEIGHT] (implied) | cdata | | In this attribute, the height of the graphic can be altered. |
| [HTML-HEIGHT] (implied) | cdata | | Height of the graphic displayed online in html and htmlhelp. |
| [HTML-SCALE] (implied) | cdata | | Scale of the graphic when displayed in html and htmlhelp. |
| [HTML-WIDTH] (implied) | cdata | | Width of the graphic displayed online in html and htmlhelp. |
| [NOTATION] (implied) | cdata | | Now the format of the graphic file must be specified, e.g. EPS. |
| [SCALE] (implied) | cdata | | In this element the dimensions of the graphic can be altered proportionally. |
| [WIDTH] (implied) | cdata | | In this attribute, the width of the graphic can be altered. |

2.78 HOMEPAGE

Description

Use <HOMEPAGE> , to enter the company email address of a project participant.

Formal Description

Context: [TEAM-MEMBER](#)

Is context for: Text

```

HOMEPAGE~|~#PCDATA

```

HOMEPAGE.PNG

2.79 IE

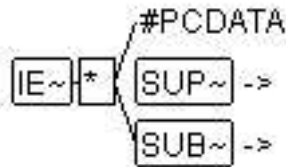
Description

Use <IE> to create an index that is to appear in the index directory.

Formal Description

Context: [CHANGE](#), [DESC](#), [INDENT-SAMPLE](#), [ITEM-LABEL](#), [LABEL](#), [LONG-NAME](#),
[LONG-NAME-1](#), [MAIN-TITLE](#), [MSR-QUERY-RESULT-TEXT](#), [OVER-ALL-TITLE](#), [P](#), [REASON](#), [SUB-TITLE](#)

Is context for: Text, [SUP](#), [SUB](#)



IE.PING

| Attribut | Typ | Anmerkungen |
|---------------------|-------|---|
| [TYPE] (implied) | cdata | Indicates a type of the respective element. |

2.80 INDENT-SAMPLE

Description

Use `<INDENT-SAMPLE>` to set the amount of indentation for the parent object.

Example

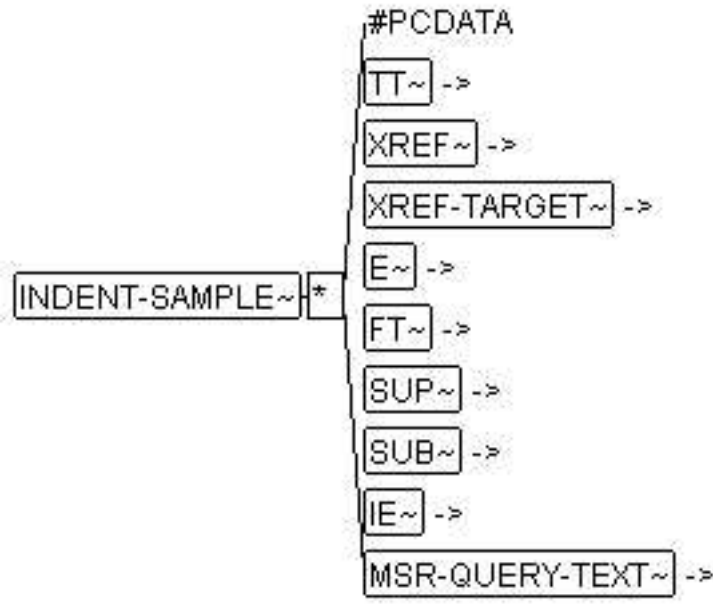
The following example sets an indentation of one unit.

```
<INDENT-SAMPLE>X</INDENT-SAMPLE>
```

Formal Description

Context: [LABELED-LIST](#)

Is context for: Text, [TT](#), [XREF](#), [XREF-TARGET](#), [E](#), [FT](#), [SUP](#), [SUB](#), [IE](#),
[MSR-QUERY-TEXT](#)



INDENT-SAMPLE.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------------|-----------------|--|--|
| [ITEM-LABEL-POS] (default) | namedtokengroup | <ul style="list-style-type: none"> NO-NEWLINE NEWLINE NEWLINE-IF-NECESSARY | NO-NEWLINE - line break inside the first column. NEWLINE - no line break inside the first column. The description regarding designation begins in the second row. NEWLINE-IF-NECESSARY - no line break inside the first column. If the marginal notes designation is longer than in the <INDENT-SAMPLE> , the description begins in the second row. Otherwise it begins in the first. |

2.81 INTRODUCTION

Description

<INTRODUCTION> provides a general introduction to the object in question.

- Use **<P>** to enable the processing systems to perform a word wrapping.
- Use **<VERBATIM>** if white-spaces are significant.

Example

<INTRODUCTION>

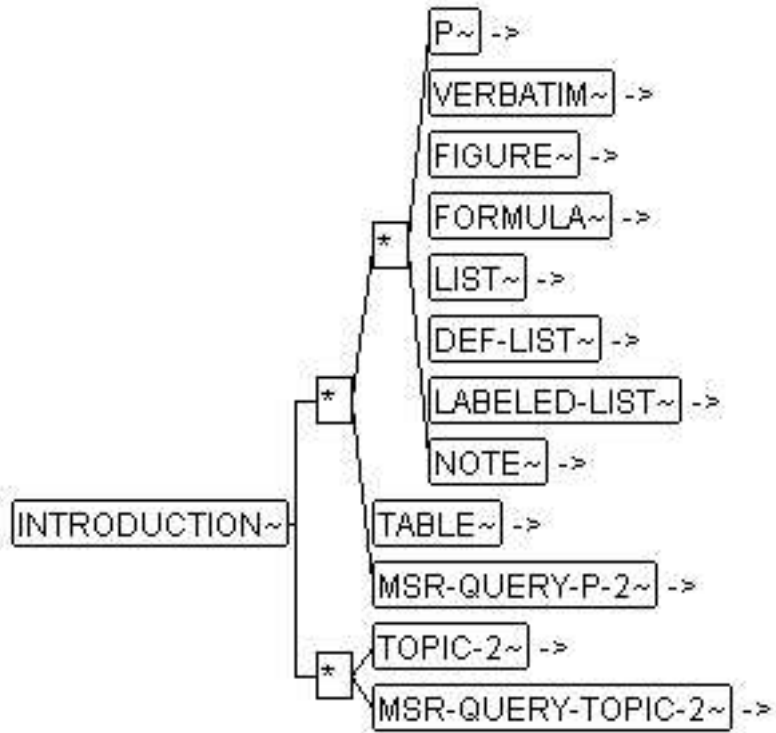
<P>This File is used to illustrate, how CDF can be implentend according

to ASAM-MCD-2MC 2.0 resp. MSRSW.DTD 2.2.0 </P>
</INTRODUCTION>

Formal Description

Context: [CHAPTER](#), [CHG-CHAPTER](#)

Is context for: [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABLED-LIST](#), [NOTE](#), [TABLE](#), [MSR-QUERY-P-2](#), [TOPIC-2](#), [MSR-QUERY-TOPIC-2](#)



INTRODUCTION.PNG

2.82 ISSUED-BY

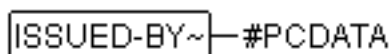
Description

This element contains the name of the person who initiated the document revision. If the initiator cannot be referenced as **<TEAM-MEMBER>** in the current document his name can be given in this element.

Formal Description

Context: [DOC-REVISION](#)

Is context for: Text



ISSUED-BY.PNG

2.83 ITEM

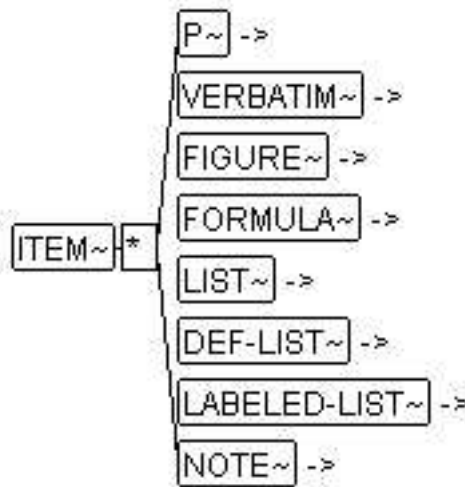
Description

Use `<ITEM>` to create entries in a `<LIST>`.

Formal Description

Context: `LIST`

Is context for: `P`, `VERBATIM`, `FIGURE`, `FORMULA`, `LIST`, `DEF-LIST`, `LABELLED-LIST`, `NOTE`



ITEM.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |

2.84 ITEM-LABEL

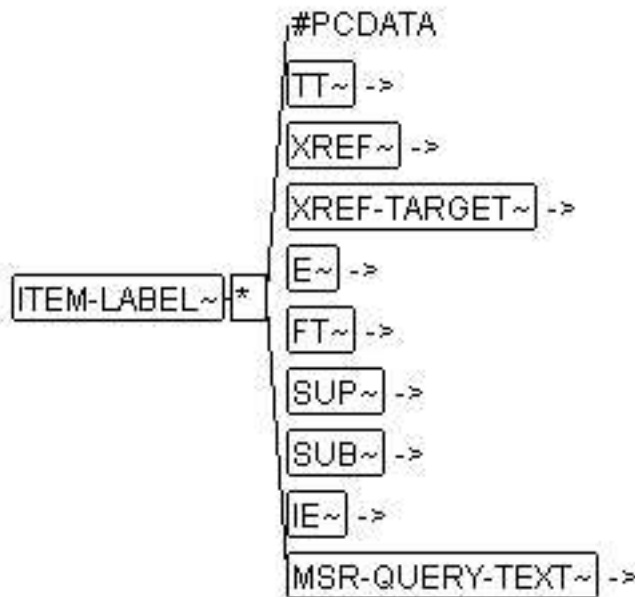
Description

Use `<ITEM-LABEL>` to enter the label for the parent object.

Formal Description

Context: `LABLED-ITEM`, `SYN-ARGUMENT`, `SYN-OBJECT`

Is context for: Text, [TT](#), [XREF](#), [XREF-TARGET](#), [E](#), [FT](#), [SUP](#), [SUB](#), [IE](#), [MSR-QUERY-TEXT](#)



ITEM-LABEL.PNG

2.85 LABEL

Description

<LABEL> is used as a long designator (similar to <LONG-NAME>) for objects which cannot be referenced. In this case it is the name of the corresponding project.

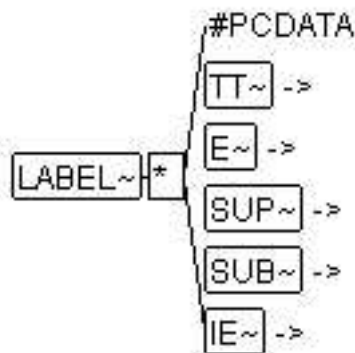
Example

Refer to [Chapter 2.121 NOTE p. 96](#) for an example, where <LABEL> is the name of the corresponding project.

Formal Description

Context: [MATCHING-DCI](#), [NOTE](#), [PRMS](#)

Is context for: Text, [TT](#), [E](#), [SUP](#), [SUB](#), [IE](#)



LABEL.PNG

2.86 LABELED-ITEM

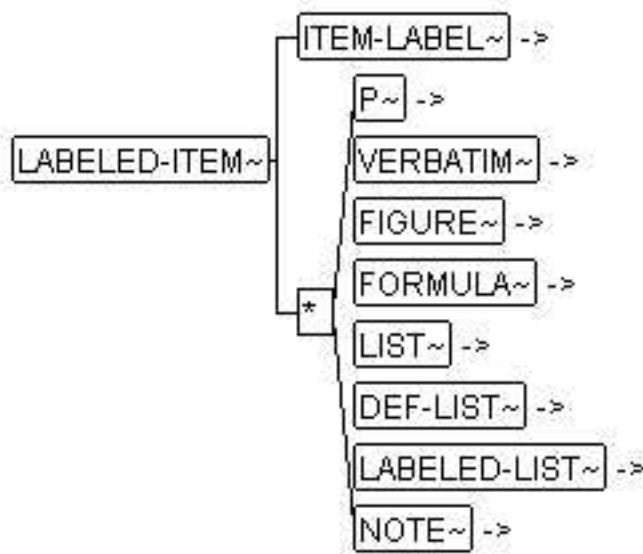
Description

Use <LABELED-ITEM> to create an entry in a labeled list. The list can be nested by creating a new <LABELED-LIST> within the <LABELED-ITEM> .

Formal Description

Context: [LABELED-LIST](#)

Is context for: [ITEM-LABEL](#), [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#),
[LABELED-LIST](#), [NOTE](#)



LABELED-ITEM.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|----------------------------------|-------|--------------|--|
| [HELP-ENTRY] (implied) | cdata | | Enables the help to be called by marking the father element. The syntax has its origins in the help system utilized. This is often used to calculate a widget name hierarchy from a widow system, which is then correlated with the help entries. For example: |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |

2.87 LABELED-LIST

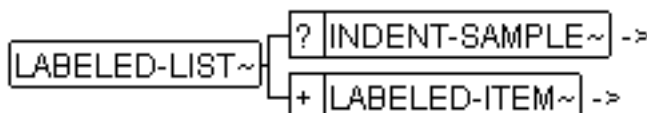
Description

Use <LABELED-LIST> to create a list with labels that can be nested.

Formal Description

Context: [ABSTRACT](#), [ADD-INFO-5](#), [CHAPTER](#), [CHG-REASON](#), [CHG-RELEASE-NOTES](#),
[CHG-SOLUTION-CON](#), [CHG-SOLUTION-PRO](#), [CHG-SOLUTION-SPEC](#),
[CHG-SUBJECT](#), [ENTRY](#), [INTRODUCTION](#), [ITEM](#), [LABELED-ITEM](#),
[MSR-PROCESSING-LOG](#), [MSR-QUERY-RESULT-P-1](#), [MSR-QUERY-RESULT-P-2](#),
[TOPIC-1](#), [TOPIC-2](#)

Is context for: [INDENT-SAMPLE](#), [LABELED-ITEM](#)



LABELED-LIST.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |

2.88 LANGUAGE

Description

<LANGUAGE> represents the human language used within the file. Its primary use is to prompt the tools to switch to an appropriate language.

This element is in accordance with the ISO 639-1 two letter language codes (*Codes for the Representation of Names of Languages* (<http://www.loc.gov/standards/iso639-2/langcodes.html>)). The most frequently used codes are given in [Table 1 Most common language codes \(alphabetical\) p. 75](#) :

Table 1: Most common language codes (alphabetical)

| Code | Language |
|------|----------|
| de | German |
| en | English |
| es | Spanish |
| fr | French |
| it | Italian |
| jp | Japanese |

Formal Description

Context: [ADMIN-DATA](#)

Is context for: Text

LANGUAGE~ — #PCDATA

LANGUAGE.PNG

2.89 LIST

Description

Use <LIST> , to create a numbered or unnumbered list. The list can be nested by adding a new list inside the <ITEM> element.

Formal Description

Context: [ABSTRACT](#), [ADD-INFO-5](#), [CHAPTER](#), [CHG-REASON](#), [CHG-RELEASE-NOTES](#),
[CHG-SOLUTION-CON](#), [CHG-SOLUTION-PRO](#), [CHG-SOLUTION-SPEC](#),
[CHG-SUBJECT](#), [ENTRY](#), [INTRODUCTION](#), [ITEM](#), [LABELED-ITEM](#),
[MSR-PROCESSING-LOG](#), [MSR-QUERY-RESULT-P-1](#), [MSR-QUERY-RESULT-P-2](#),
[TOPIC-1](#), [TOPIC-2](#)

Is context for: [ITEM](#)

LIST~ — + ITEM~ —>

LIST.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------------|-----------------|--|---|
| [TYPE] (default) | namedtokengroup | <ul style="list-style-type: none"> • UNNUMBER • NUMBER | UNNUMBER - enumeration without numbering NUMBER - numbered enumeration |
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> • KEEP • NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |

2.90 LOCS

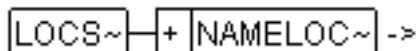
Description

Use <LOCS> to generate references to external documents.

Formal Description

Context: [MSRREP](#)

Is context for: [NAMELOC](#)



LOCS.PNG

2.91 LONG-NAME

Description

Use <LONG-NAME> to create a comprehensive name for the context element.

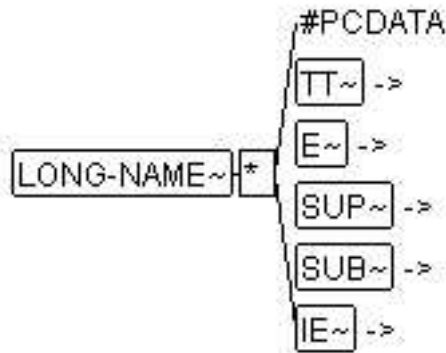
Example

<LONG-NAME>Variable 1 that keeps the cabin preassure</LONG-NAME>

Formal Description

Context: [CHAPTER](#), [CHG-CHAPTER](#), [CHG-OBJECT](#), [CHG-OBJECT-REVISION](#),
[CHG-REQUEST](#), [COMPANY](#), [DEF-ITEM](#), [FIGURE-CAPTION](#),
[FORMULA-CAPTION](#), [NAMELOC](#), [PRM](#), [SDG-CAPTION](#), [SYN-CAPTION](#),
[TABLE-CAPTION](#), [TEAM-MEMBER](#), [TOPIC-1](#), [TOPIC-2](#)

Is context for: Text, [TT](#), [E](#), [SUP](#), [SUB](#), [IE](#)



LONG-NAME.PNG

2.92 LONG-NAME-1

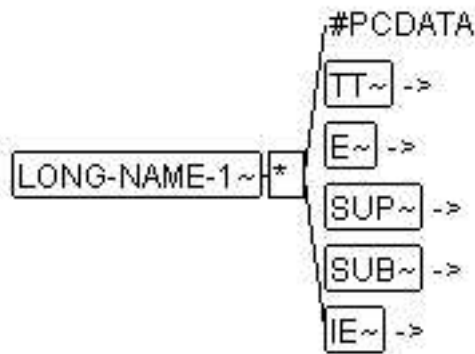
Description

Use <LONG-NAME-1> to create a comprehensive name for the context element

Formal Description

Context: [STD](#), [XDOC](#), [XFILE](#), [XREF-TARGET](#)

Is context for: Text, [TT](#), [E](#), [SUP](#), [SUB](#), [IE](#)



LONG-NAME-1.PNG

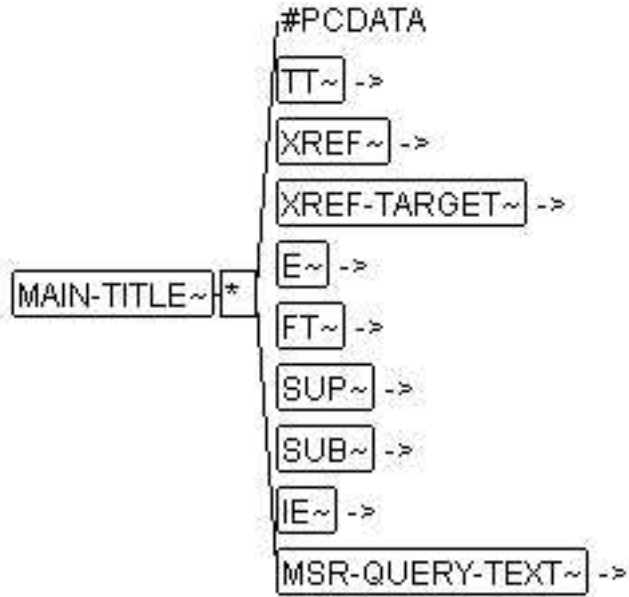
2.93 MAIN-TITLE

Description

Formal Description

Context: [REPORT-SUBJECT](#)

Is context for: Text, [TT](#), [XREF](#), [XREF-TARGET](#), [E](#), [FT](#), [SUP](#), [SUB](#), [IE](#),
[MSR-QUERY-TEXT](#)



MAIN-TITLE.PNG

2.94 MAP

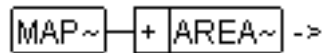
Description

Image maps enable authors to specify regions of an image or object and assign a specific action to each region (e.g., retrieve a document, run a program, etc.) When the region is activated by the user, the action is executed.

Formal Description

Context: [FIGURE](#), [FORMULA](#)

Is context for: [AREA](#)



MAP.PNG

| Attribut | Typ | Anmerkungen |
|-----------------------------|-------|--|
| [CLASS] (implied) | cdata | Blank separated list of classes |
| [ID] (implied) | id | Unambiguous identifier of the element within the document. |

| Attribut | Typ | Anmerkungen |
|-----------------------------------|---------|--|
| [NAME] (implied) | nmtoken | This attribute assigns a name to the image map in the MAP element. This name can be used to be referenced in an HTML image through the attribute USEMAP. Although this is not actually necessary in the MSR model, it was inserted in order to support the MAPs which were created for HTML. |
| [ONCLICK] (implied) | cdata | The ONCLICK-Event occurs, if the current element is clicked-on. A script can be stored in this attribute to be performed in the Event. |
| [ONDBLCLICK] (implied) | cdata | The ONDBLCLICK-Event occurs, if the current Event is clicked-on. A script can be stored in this attribute to be performed in the Event. |
| [ONKEYDOWN] (implied) | cdata | The ONKEYDOWN-Event occurs, if a button on the current element is pressed down. A script can be stored in this attribute to be performed in the Event. |
| [ONKEYPRESS] (implied) | cdata | The ONKEYPRESS-Event occurs, if a button on the current element is pressed down and released. A script can be stored in this attribute to be performed in the Event. |
| [ONKEYUP] (implied) | cdata | The ONKEYUP-Event occurs, if a button on the current element is released. A script can be stored in this attribute to be performed in the Event. |
| [ONMOUSEDOWN] (implied) | cdata | The ONMOUSEDOWN-Event occurs, if the mouse button used for clicking is held down on the current element. A script can be stored in this attribute to be performed in the Event. |
| [ONMOUSEMOVE] (implied) | cdata | The ONMOUSEMOVE-Event occurs, if the mouse pointer is moved on the current element (i.e. it is located on the current element). A script can be stored in this attribute to be performed in the Event. |

| Attribut | Typ | Anmerkungen |
|-----------------------------------|-------|---|
| [ONMOUSEOUT] (implied) | cdata | The ONMOUSEOUT-Event occurs, if the mouse pointer is moved from the current element. A script can be stored in this attribute to be performed in the Event. |
| [ONMOUSEOVER] (implied) | cdata | The ONMOUSEOVER-Event occurs, if the mouse pointer is moved to the current element from another location outside it. A script can be stored in this attribute to be performed in the Event. |
| [ONMOUSEUP] (implied) | cdata | The ONMOUSEUP-Event occurs if the mouse button used for clicking is released on the current element. A script can be stored in this attribute to be performed in the Event. |
| [STYLE] (implied) | cdata | Information on the associated style |
| [TITLE] (implied) | cdata | Title information of the <MAP> -element |

2.95 MATCHING-DCI

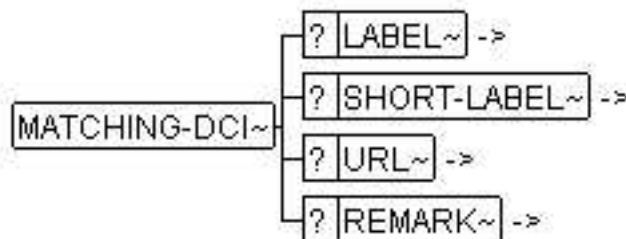
Description

<MATCHING-DCI> represents a reference to a *DCI* instance (Document Content Information) to which the current file should match. The official identification of the DCI is denoted by **<URL>** which points to the DCI file. The other elements are given to provide information.

Formal Description

Context: [MATCHING-DCIS](#)

Is context for: [LABEL](#), [SHORT-LABEL](#), [URL](#), [REMARK](#)



MATCHING-DCI.PNG

2.96 MATCHING-DCIS

Description

<MATCHING-DCIS> represents all Document Content Information specifications to which the current file should comply. As there may be multiple DCI instances, the current file should match all of them. Nevertheless, the check is only requested according to the case currently in use.

Especially in the case of the CDF, a *CDF processor* is obliged to check if the CDF-DCI is mentioned in <MATCHING-DCIS> .

Example

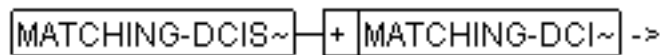
In the following example, the current file would match *CDF* as well as *PACO* which would support more of the features in *MSRSW.DTD* .

```
<MATCHING-DCIS>
  <MATCHING-DCI>
    <LABEL>Parameter Contents File</LABEL>
    <SHORT-LABEL>PACO2.0</SHORT-LABEL>
    <URL>http://www.msr-wg.de/dcis/paco.dci.xml</URL>
  </MATCHING-DCI>
  <MATCHING-DCI>
    <LABEL>Calibration Data File Specification</LABEL>
    <SHORT-LABEL>CDF</SHORT-LABEL>
    <URL>http://www.asam.net/dcis/cdf.dci.xml</URL>
  </MATCHING-DCI>
</MATCHING-DCIS>
```

Formal Description

Context: [MSRREP](#)

Is context for: [MATCHING-DCI](#)



MATCHING-DCIS.PNG

2.97 MAX

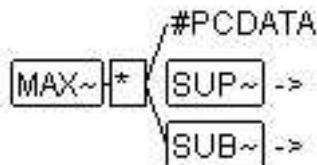
Description

Use <MAX> to enter the maximum values of a parameter in a table of parameters.

Formal Description

Context: [PRM-CHAR](#)

Is context for: Text, [SUP](#), [SUB](#)



MAX.PNG

2.98 MIN

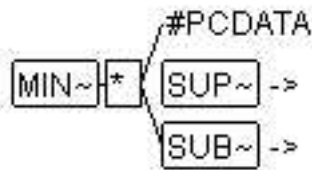
Description

Use **<MIN>** to enter the minimum values of a parameter in a table of parameters.

Formal Description

Context: [PRM-CHAR](#)

Is context for: Text, [SUP](#), [SUB](#)



MIN.PNG

2.99 MODIFICATION

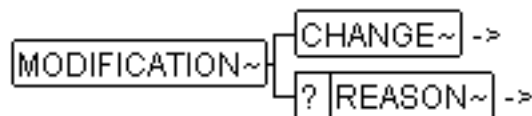
Description

Use **<MODIFICATION>** to record what has changed in a document in comparison to its predecessor.

Formal Description

Context: [MODIFICATIONS](#)

Is context for: [CHANGE](#), [REASON](#)



MODIFICATION.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|---------------------|-----------------|---|--|
| [TYPE] (default) | namedtokengroup | <ul style="list-style-type: none"> CONTENT-RELATED DOC-RELATED | DOC-RELATED - document-specific changes have necessitated a new document version. CONTENT-RELATED - product-specific changes have necessitated a new document version. |

2.100 MODIFICATIONS

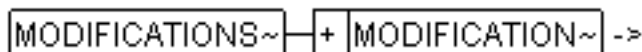
Description

<MODIFICATIONS> contains the changes in a document in comparison to its predecessor.

Formal Description

Context: [DOC-REVISION](#)

Is context for: [MODIFICATION](#)



MODIFICATIONS.PNG

2.101 MSR-PROCESSING-LOG

Description

This element is a placeholder in which tools responsible for the automatic processing of the instance can store processing execution information (log information). It is advisable to create an individual chapter (**<CHAPTER>**) for every process executed. The most recent chapter should come first (sorting according to date).

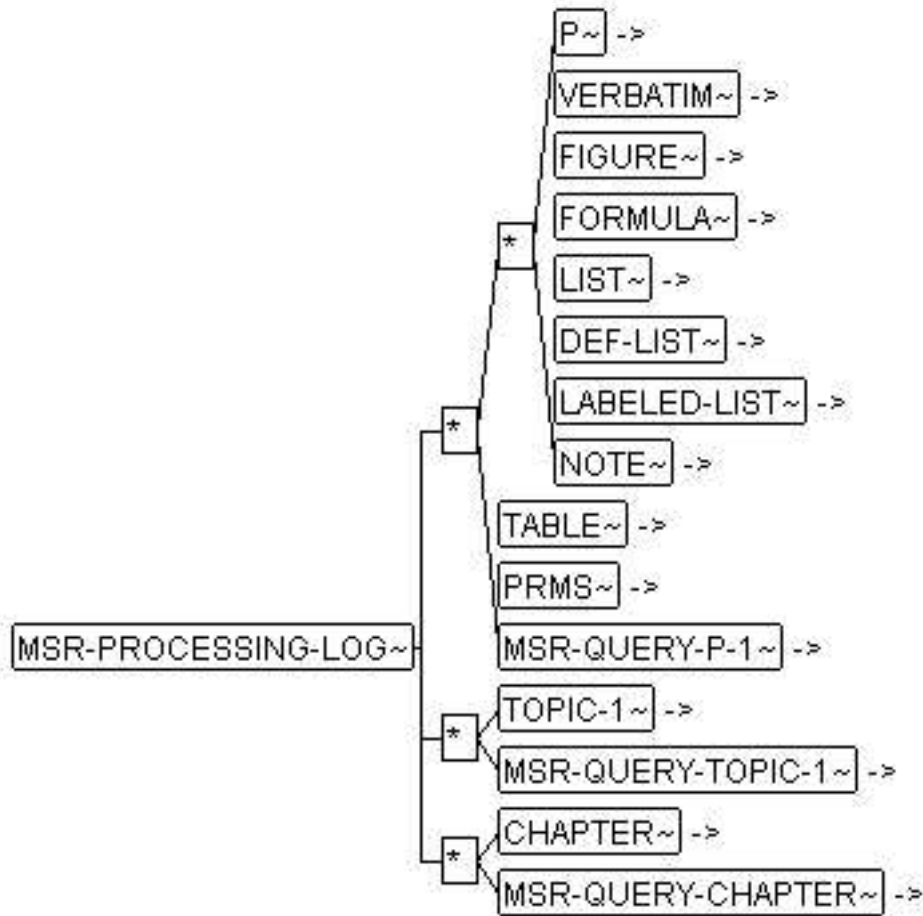
Example

```
<MSR-PROCESSING-LOG>
  <CHAPTER>
    <LONG-NAME>MSR-Query 2.10.2001</LONG-NAME>
    <SHORT-NAME>msrquery.2001.10.02-1</SHORT-NAME>
    <VERBATIM>MSR-Query processor Version 0.99 run at 2.10.2001 reading file
      c:\examples\myexample.sgm warning: duplicate ID found ("hugo") error: query
      "replacechapters" not implemented 20 queries processed 1 warning 1
      error
    </VERBATIM>
  </CHAPTER>
  <CHAPTER>
    <LONG-NAME>MSR-Query 1.10.2001</LONG-NAME>
    <SHORT-NAME>msrquery.2001.10.01-1</SHORT-NAME>
    <VERBATIM>MSR-Query processor Version 0.99 run at 1.10.2001 reading file
      c:\examples\myexample.sgm warning: duplicate ID found ("hugo") error: query
      "replacechapters" not implemented 20 queries processed 1 warning 1
      error
    </VERBATIM>
  </CHAPTER>
</MSR-PROCESSING-LOG>
```

Formal Description

Context: [MSRREP](#)

Is context for: [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [TABLE](#), [PRMS](#), [MSR-QUERY-P-1](#), [TOPIC-1](#), [MSR-QUERY-TOPIC-1](#), [CHAPTER](#), [MSR-QUERY-CHAPTER](#)



MSR-PROCESSING-LOG.PNG

2.102 MSR-QUERY-ARG

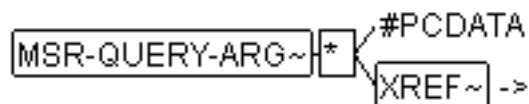
Description

This element specifies an argument within a so-called *MSR-QUERY* which is named in the sister element `<MSR-QUERY-NAME>`.

Formal Description

Context: [MSR-QUERY-PROPS](#)

Is context for: Text, [XREF](#)



MSR-QUERY-ARG.PNG

2.103 MSR-QUERY-CHAPTER

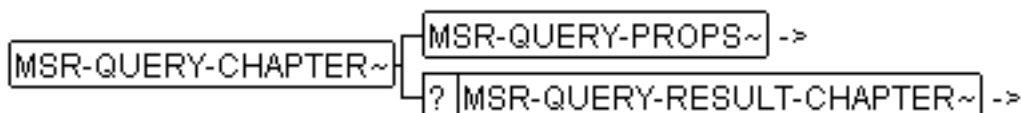
Description

This element contains a chapter generated through an external query or a chapter generated in an external program (in `<MSR-QUERY-RESULT-CHAPTER>`), as well as the data necessary to enable a conclusion to be drawn as to the origins of a chapter (in `<MSR-QUERY-PROPS>`).

Formal Description

Context: `CHAPTER`, `MSR-PROCESSING-LOG`, `REPORT-BODY`, `REPORT-HEAD`,
`REPORT-REAR`

Is context for: `MSR-QUERY-PROPS`, `MSR-QUERY-RESULT-CHAPTER`



MSR-QUERY-CHAPTER.PNG

2.104 MSR-QUERY-NAME

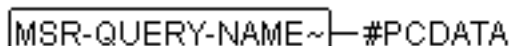
Description

This element specifies the name of the *MSR-QUERY* triggered.

Formal Description

Context: `MSR-QUERY-PROPS`

Is context for: Text



MSR-QUERY-NAME.PNG

2.105 MSR-QUERY-P-1

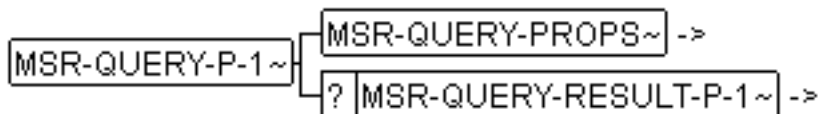
Description

This element contains the arguments `<MSR-QUERY-PROPS>`. In addition, it may also contain result elements in text form, embedded in `<MSR-QUERY-RESULT-P-1>`, which correspond to a *MSR-QUERY*, generated either by an external program or an external query, for the purpose of integrating the element into an MSRSW instance.

Formal Description

Context: `ADD-INFO-5`, `CHAPTER`, `CHG-REASON`, `CHG-RELEASE-NOTES`,
`CHG-SOLUTION-CON`, `CHG-SOLUTION-PRO`, `CHG-SOLUTION-SPEC`,
`CHG-SUBJECT`, `MSR-PROCESSING-LOG`, `TOPIC-1`

Is context for: `MSR-QUERY-PROPS`, `MSR-QUERY-RESULT-P-1`



MSR-QUERY-P-1.PNG

2.106 MSR-QUERY-P-2

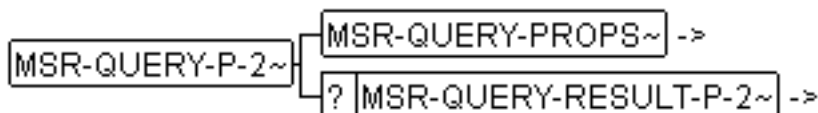
Description

This element contains the arguments **<MSR-QUERY-PROPS>**. In addition, it may also contain result elements in text form, embedded in **<MSR-QUERY-RESULT-P-2>**, which correspond to a *MSR-QUERY*, generated either by an external program or an external query, for the purpose of integrating the element into an MSRSW instance.

Formal Description

Context: [ABSTRACT](#), [INTRODUCTION](#), [TOPIC-2](#)

Is context for: [MSR-QUERY-PROPS](#), [MSR-QUERY-RESULT-P-2](#)



MSR-QUERY-P-2.PNG

2.107 MSR-QUERY-PROPS

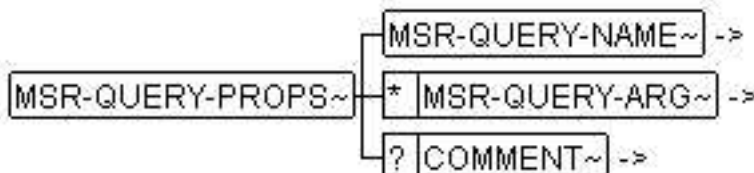
Description

This element specifies the characteristics and arguments of a *MSR-QUERY*, that is, the name **<MSR-QUERY-NAME>**, the arguments **<MSR-QUERY-ARG>** and if required, the comment **<COMMENT>**.

Formal Description

Context: [MSR-QUERY-CHAPTER](#), [MSR-QUERY-P-1](#), [MSR-QUERY-P-2](#), [MSR-QUERY-TEXT](#), [MSR-QUERY-TOPIC-1](#), [MSR-QUERY-TOPIC-2](#)

Is context for: [MSR-QUERY-NAME](#), [MSR-QUERY-ARG](#), [COMMENT](#)



MSR-QUERY-PROPS.PNG

2.108 MSR-QUERY-RESULT-CHAPTER

Description

This element contains the result chapter of a *MSR-QUERY*, which was generated by an external program or an external query, so that it could be integrated into an MSRSW instance.

Formal Description

Context: [MSR-QUERY-CHAPTER](#)

Is context for: [CHAPTER](#)



MSR-QUERY-RESULTCHAPTER.PNG

2.109 MSR-QUERY-RESULT-P-1

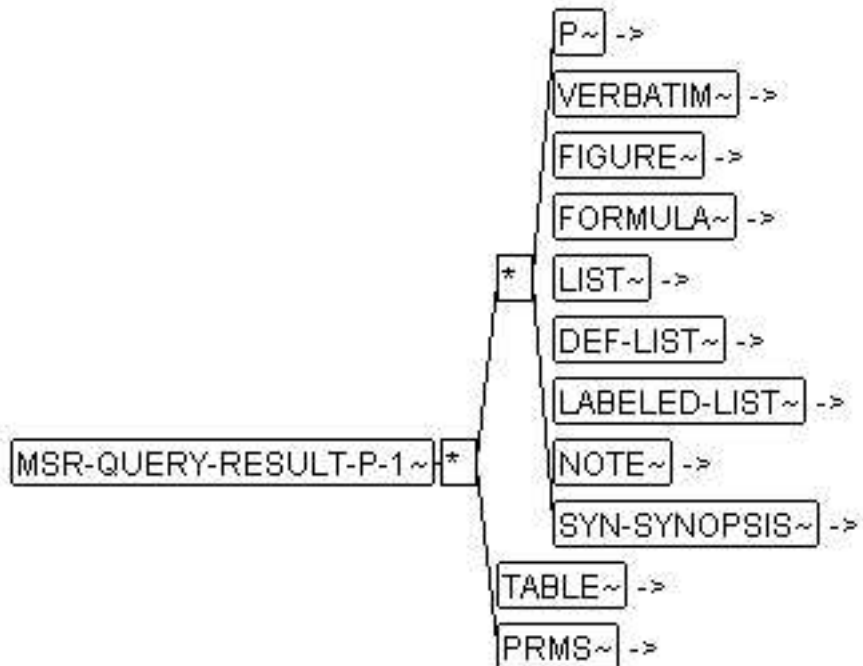
Description

This element contains the result element of a *MSR-QUERY* in text form, which was generated by an external program or an external query, so that it could be integrated into an MSR_{SW} instance. Unlike [<MSR-QUERY-RESULT-P-2>](#), [<MSR-QUERY-RESULT-P-1>](#) may still contain [<PRMS>](#) elements.

Formal Description

Context: [MSR-QUERY-P-1](#)

Is context for: [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [SYN-SYNOPSIS](#), [TABLE](#), [PRMS](#)



MSR-QUERY-RESULTP-1.PNG

2.110 MSR-QUERY-RESULT-P-2

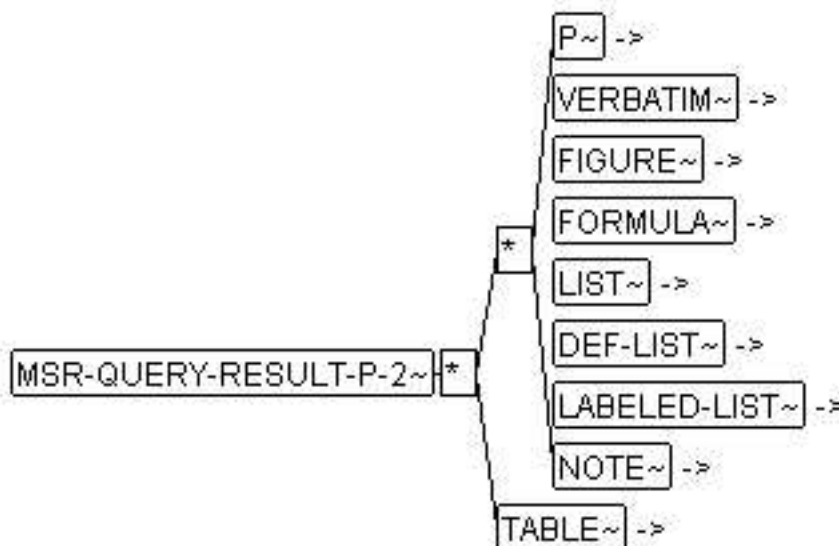
Description

This element contains the result element of a *MSR-QUERY* in text form, which was generated by an external program or an external query, so that it could be integrated into an MSRSW instance. Unlike `<MSR-QUERY-RESULT-P-1>`, `<MSR-QUERY-RESULT-P-2>` may contain no `<PRMS>` elements.

Formal Description

Context: [MSR-QUERY-P-2](#)

Is context for: [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [TABLE](#)



MSR-QUERY-RESULT-P-2.PNG

2.111 MSR-QUERY-RESULT-TEXT

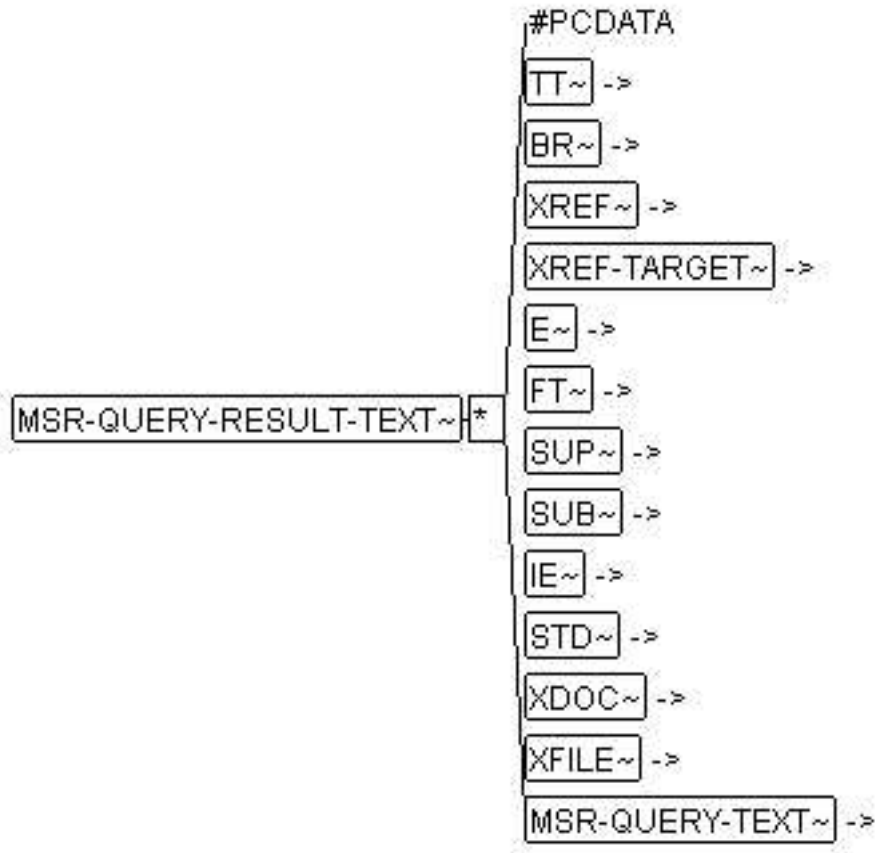
Description

This element contains the textual description within `<MSR-QUERY-TEXT>`, generated by a *MSR-QUERY*, which encompasses no further sub-paragraphs.

Formal Description

Context: [MSR-QUERY-TEXT](#)

Is context for: Text, [TT](#), [BR](#), [XREF](#), [XREF-TARGET](#), [E](#), [FT](#), [SUP](#), [SUB](#), [IE](#), [STD](#), [XDOC](#), [XFILE](#), [MSR-QUERY-TEXT](#)



MSR-QUERY-RESULT-TEXT.PNG

2.112 MSR-QUERY-RESULT-TOPIC-1

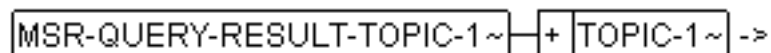
Description

This element contains the result of a **<TOPIC-1>** element generated from an external *MSR-QUERY*.

Formal Description

Context: [MSR-QUERY-TOPIC-1](#)

Is context for: [TOPIC-1](#)



MSR-QUERY-RESULT-TOPIC-1.PNG

2.113 MSR-QUERY-RESULT-TOPIC-2

Description

This element contains the result of a <TOPIC-2> element generated from an external *MSR-QUERY*

Formal Description

Context: [MSR-QUERY-TOPIC-2](#)

Is context for: [TOPIC-2](#)



MSR-QUERY-RESULT-TOPIC-2.PNG

2.114 MSR-QUERY-TEXT

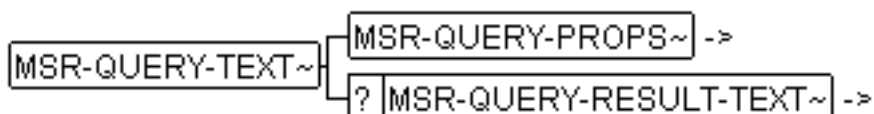
Description

This element contains a *MSR-QUERY* specified more accurately in the subelement <MSR-QUERY-PROPS>, as well as the textual description generated as a result of it within the subelement <MSR-QUERY-TEXT>, which contains no further subparagraphs.

Formal Description

Context: [CHANGE](#), [DESC](#), [INDENT-SAMPLE](#), [ITEM-LABEL](#), [MAIN-TITLE](#),
[MSR-QUERY-RESULT-TEXT](#), [OVERALL-TITLE](#), [P](#), [REASON](#),
[SUB-TITLE](#)

Is context for: [MSR-QUERY-PROPS](#), [MSR-QUERY-RESULT-TEXT](#)



MSR-QUERY-TEXT.PNG

2.115 MSR-QUERY-TOPIC-1

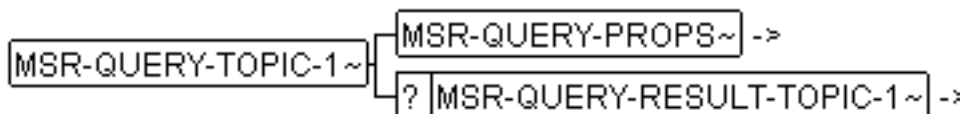
Description

This element contains a generated TOPIC-1 element with a result in <MSR-QUERY-RESULT-TOPIC-1>. This is from an external *MSR-QUERY* which is defined more accurately in <MSR-QUERY-PROPS>.

Formal Description

Context: [CHAPTER](#), [CHG-REASON](#), [CHG-RELEASE-NOTES](#), [CHG-SOLUTION-CON](#),
[CHG-SOLUTION-PRO](#), [CHG-SOLUTION-SPEC](#), [CHG-SUBJECT](#),
[MSR-PROCESSING-LOG](#)

Is context for: [MSR-QUERY-PROPS](#), [MSR-QUERY-RESULT-TOPIC-1](#)



MSR-QUERY-TOPIC-1.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |

2.116 MSR-QUERY-TOPIC-2

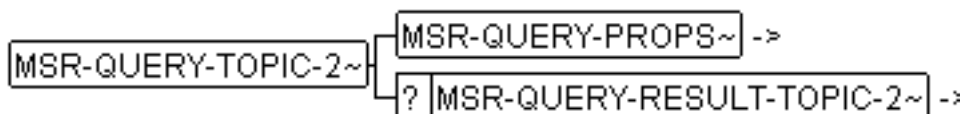
Description

This element contains a generated TOPIC-2 element with a result in **<MSR-QUERY-RESULT-TOPIC-2>**. This is from an external *MSR-QUERY* which is defined more accurately in **<MSR-QUERY-PROPS>**.

Formal Description

Context: [ABSTRACT](#), [INTRODUCTION](#)

Is context for: [MSR-QUERY-PROPS](#), [MSR-QUERY-RESULT-TOPIC-2](#)



MSR-QUERY-TOPIC-2.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |

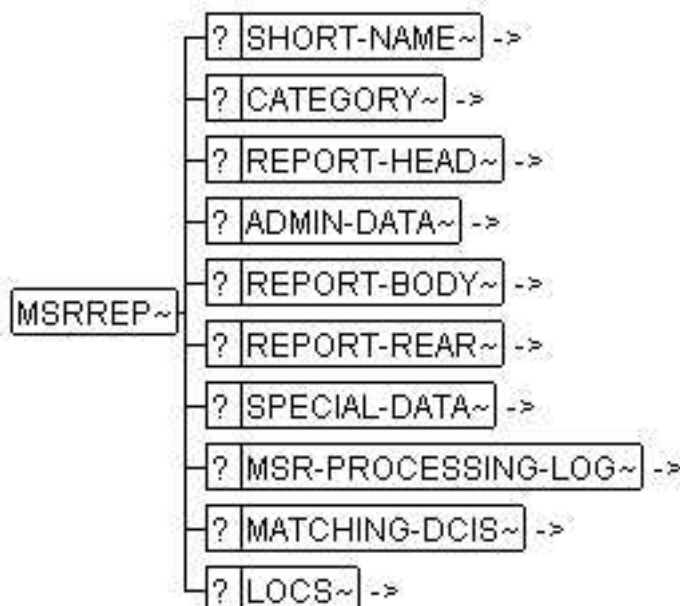
2.117 MSRREP

Description

Formal Description

Context: Root

Is context for: [SHORT-NAME](#), [CATEGORY](#), [REPORT-HEAD](#), [ADMIN-DATA](#), [REPORT-BODY](#), [REPORT-REAR](#), [SPECIAL-DATA](#), [MSR-PROCESSING-LOG](#), [MATCHING-DCIS](#), [LOCS](#)



MSRREPPNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------|-------|--|-------------|
| [PUBID] (default) | cdata | -//MSR//DTD MSR REPORT DTD:V2.2.2:XML:MSRREP.DTD//EN | |

| Attribut | Typ | Wertebereich | Anmerkungen |
|---------------------------------|----------|---|-------------|
| [F-BUILD] (fixed) | cdata | 1005 | |
| [F-NAMESPACE] (fixed) | nmtokens | CHAPTER CHG- OBJECT CHG- OBJECT-REVISION CHG-REQUEST COMPANY DEF-ITEM EXTERNAL FIGURE FORMULA PRM SDG STD SYNOPSIS TA- BLE TEAM-MEMBER TOPIC XDOC XFILE XREF-TARGET | |
| [F-PUBID] (fixed) | cdata | -//MSR//DTD MSR REPORT DTD:V2.2.2:XML:MSRREP.DTD//EN | |
| [HYTIME] (fixed) | nmtoken | HYDOC | |

2.118 NAMELOC

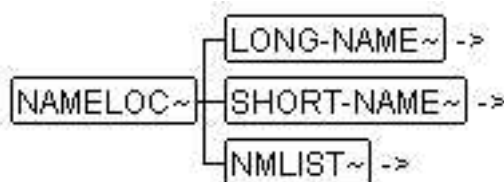
Description

Use <NAMELOC> to identify the external document of a cross-reference spanning more than one document, that is to be referenced.

Formal Description

Context: [LOCS](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [NMLIST](#)



NAMELOC.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|------------------------------------|---------|--------------|---|
| [EXT-ID-CLASS] (implied) | nmtoken | | External ID Class. The value of this attribute classifies links and external link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF> can only link to an external object which is classified as "TEAM-MEMBER" e. g: <TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER>. |
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |
| [F-ID-CLASS] (fixed) | nmtoken | EXTERNAL | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF> can only link to an object which is classified as "TEAM-MEMBER" e. g: <TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER>. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|----------------------------|---------|--------------|---|
| [HYTIME] (fixed) | nmtoken | NAMELOC | HYTIME is the standard attribute used to define a HYTIME architectural form. This functionality is defined in ISO 10744 HYTIME (Hypermedia/Time-based Structuring Language). This enables the use of a generic architectural form processor for link processing and transition. |

2.119 NMLIST

Description

Use `<NMLIST>` to enter the name of an entity or element, to be referenced in an external document.

Formal Description

Context: [NAMELOC](#)

Is context for: Text

`NMLIST~`—#PCDATA

NMLIST.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|-----------------|--|---|
| [NAMETYPE] (default) | namedtokengroup | <ul style="list-style-type: none"> ENTITY ELEMENT | ENTITY - reference to an entity in an external document. ELEMENT - reference to an element in an external document. |
| [DOCORSUB] (implied) | entity | | SGML/XML document or sub-document, the prologue of which declares entities or elements that occur in NMLIST. Refer to [FUNCTION-REF] for an example. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|---------------------|---------|--------------|--|
| [HYTIME] (fixed) | nmtoken | NMLIST | HYTIME is the standard attribute use to define a HYTIME architectural form. This functionality is defined in ISO 10744 HYTIME (Hypermedia/Time-based Structuring Language). It enables the use of a generic architectural form processor for link processing and transition. |

2.120 NOTATION

Description

This element indicates the data format of the external file in which the superordinated XFILE is located. The identifier itself must be arranged amongst the project participants. The contents of **<NOTATION>** are treated in a similar way to an SGML notation format.

Possible values are for example:

| Notation | Meaning |
|----------|--|
| EPS | Encapsulated Postscript |
| PDF | Portable Document Format |
| CDF2.0 | CDF2.0 Parameter Contents File in MSRSW3.0 structure |
| ... | ... |

Example

```
<P>Please refer to
  <XFILE>
    <LONG-NAME-1>Parameter Contents file</LONG-NAME-1>
    <SHORT-NAME>0711cdf20</SHORT-NAME>
    <URL>../cdfs/0711cdf20.xml</URL>
    <NOTATION>CDF20</NOTATION>
    <TOOL>DDCL</TOOL>
    <TOOL-VERSION>1.3</TOOL-VERSION>
  </XFILE>
</P>
```

Formal Description

Context: **XFILE**

Is context for: Text

NOTATION~#PCDATA

NOTATION.PNG

2.121 NOTE

Description

Use **<NOTE>** to highlight particular safety or usage notes.

Example

```
<NOTE NOTE-TYPE="CAUTION">
  <LABEL>Layout of <TT TYPE="SGMLTAG">NOTE</TT></LABEL>
  <P>Layout of <TT TYPE="SGMLTAG">NOTE</TT> may vary on
    the type according to the value of the attribute <TT TYPE="SGML-ATTRIBUTE">NOTE-TYPE</TT>
    and the target display or print system.</P>
</NOTE>
```

The code example above is formatted in the following way:

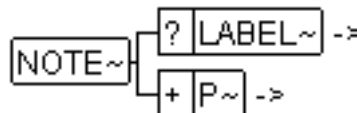
Caution: Layout of <NOTE>

Layout of <NOTE> may vary on the type according to the value of the attribute **[NOTE-TYPE]** and the target display or print system.

Formal Description

Context: [ABSTRACT](#), [ADD-INFO-5](#), [CHAPTER](#), [CHG-REASON](#), [CHG-RELEASE-NOTES](#),
[CHG-SOLUTION-CON](#), [CHG-SOLUTION-PRO](#), [CHG-SOLUTION-SPEC](#),
[CHG-SUBJECT](#), [ENTRY](#), [INTRODUCTION](#), [ITEM](#), [LABELED-ITEM](#),
[MSR-PROCESSING-LOG](#), [MSR-QUERY-RESULT-P-1](#), [MSR-QUERY-RESULT-P-2](#),
[TOPIC-1](#), [TOPIC-2](#)

Is context for: [LABEL](#), [P](#)



NOTE.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|---------------------------------|-----------------|---|--|
| [NOTE-TYPE] (default) | namedtokengroup | <ul style="list-style-type: none"> CAUTION HINT TIP INSTRUCTION EXERCISE OTHER | CAUTION - dangers involving instruments and personnel during operation. HINT - special operation features TIP - measures to improve efficiency INSTRUCTION - important instructions EXERCISE - practical examples OTHER - additional notes |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |
| [USER-DEFINED-TYPE] (implied) | cdata | | Allows user-specific notes to be introduced. |

2.122 NUMBER

Description

Use <NUMBER> to enter the version number of an external document that is referenced.

Formal Description

Context: [XDOC](#)

Is context for: Text

NUMBER~#PCDATA

NUMBER.PNG

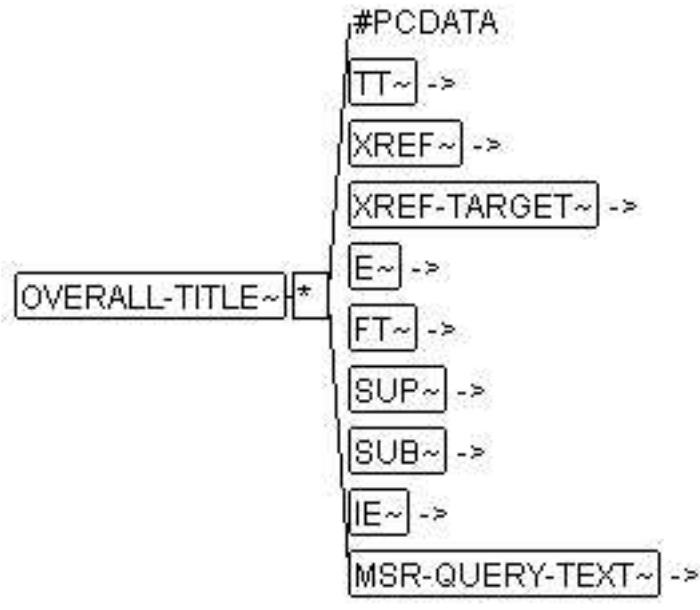
2.123 OVERALL-TITLE

Description

Formal Description

Context: [REPORT-SUBJECT](#)

Is context for: Text, [TT](#), [XREF](#), [XREF-TARGET](#), [E](#), [FT](#), [SUP](#), [SUB](#), [IE](#), [MSR-QUERY-TEXT](#)



OVERALL-TITLE.PNG

2.124 P

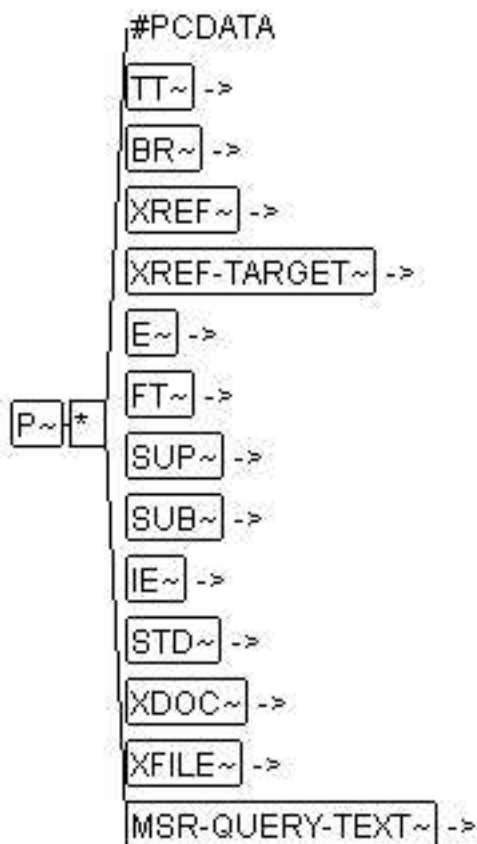
Description

Use <P> to create a paragraph for continuous texts.

Formal Description

Context: ABSTRACT, ADD-INFO-5, CHAPTER, CHG-REASON, CHG-RELEASE-NOTES, CHG-SOLUTION-CON, CHG-SOLUTION-PRO, CHG-SOLUTION-SPEC, CHG-SUBJECT, COND, DEF, ENTRY, INTRODUCTION, ITEM, LABELED-ITEM, MSR-PROCESSING-LOG, MSR-QUERY-RESULT-P-1, MSR-QUERY-RESULT-P-2, NOTE, REMARK, SYN-FORMAT, SYN-INCLUDE, SYN-OBJECT, SYN-SEE-ALSO, TOPIC-1, TOPIC-2

Is context for: Text, TT, BR, XREF, XREF-TARGET, E, FT, SUP, SUB, IE, STD, XDOC, XFILE, MSR-QUERY-TEXT



PPING

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [HELP-ENTRY] (implied) | cdata | | Enables the help to be called by marking the father element. The syntax has its origins in the help system utilized. This is often used to calculate a widget name hierarchy from a widow system, which is then correlated with the help entries. For example: |
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |

2.125 PHONE

Description

Use <PHONE> to enter the telephone number of a project participant.

Formal Description

Context: [TEAM-MEMBER](#)

Is context for: Text

PHONE~|#PCDATA

PHONE.PNG

2.126 POSITION

Description

Use <POSITION> to enter references to the relevant positions of a standard.

Formal Description

Context: [STD](#), [XDOC](#)

Is context for: Text

POSITION~|#PCDATA

POSITION.PNG

2.127 PRM

Description

Use <PRM> to create a parameter table

Formal Description

Context: [PRMS](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [DESC](#), [PRM-CHAR](#)

PRM~|LONG-NAME~ ->
PRM~|SHORT-NAME~ ->
PRM~|? DESC~ ->
PRM~|+ PRM-CHAR~ ->

PRM.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|--|
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |
| [F-ID-CLASS] (fixed) | nmtoken | PRM | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF> can only link to an object which is classified as "TEAM-MEMBER" e. g: <TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER>. |

2.128 PRM-CHAR

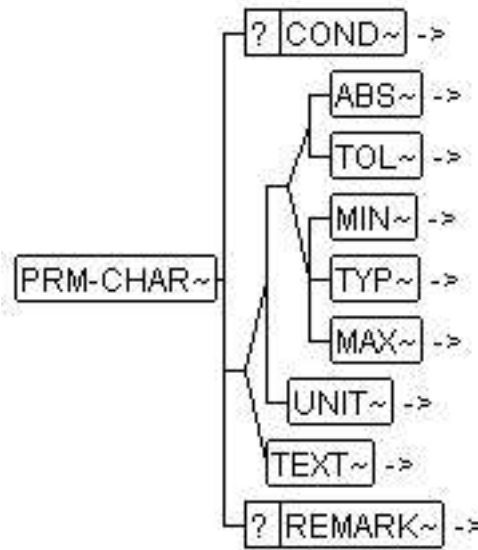
Description

Use <**PRM-CHAR**> to generate parameter values.

Formal Description

Context: [PRM](#)

Is context for: [COND](#), [ABS](#), [TOL](#), [MIN](#), [TYP](#), [MAX](#), [UNIT](#), [TEXT](#), [REMARK](#)



PRM-CHAR.PNG

2.129 PRMS

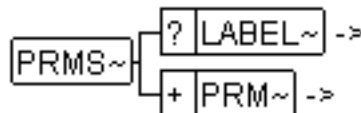
Description

Use <PRMS> to create a parameter table for a number of parameters.

Formal Description

Context: [CHAPTER](#), [CHG-REASON](#), [CHG-RELEASE-NOTES](#), [CHG-SOLUTION-CON](#),
[CHG-SOLUTION-PRO](#), [CHG-SOLUTION-SPEC](#), [CHG-SUBJECT](#),
[MSR-PROCESSING-LOG](#), [MSR-QUERY-RESULT-P-1](#), [TOPIC-1](#)

Is context for: [LABEL](#), [PRM](#)



PRMS.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |

2.130 PUBLISHER

Description

Use <PUBLISHER> to enter the publisher of an external document that is being referenced.

Formal Description

Context: XDOC

Is context for: Text

PUBLISHER~ #PCDATA

PUBLISHER.PNG

2.131 REASON

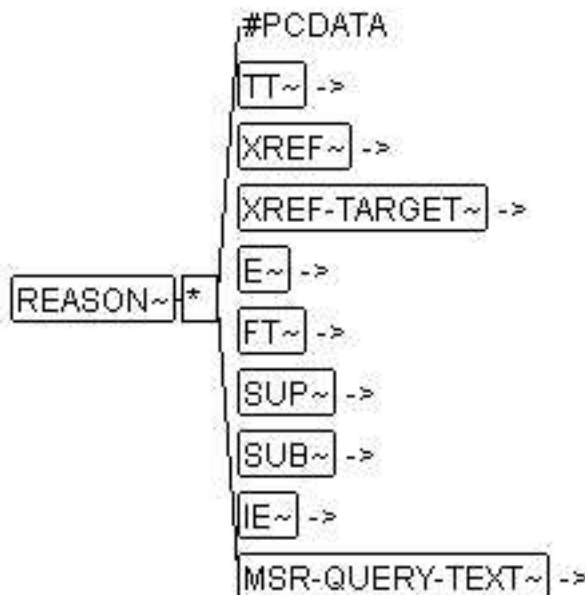
Description

Use <REASON> to cite the reason for changes to the document version.

Formal Description

Context: MODIFICATION

Is context for: Text, TT, XREF, XREF-TARGET, E, FT, SUP, SUB, IE, MSR-QUERY-TEXT



REASON.PNG

2.132 REMARK

Description

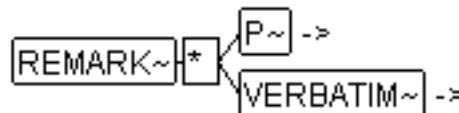
<REMARK> is used for comments e.g. on the specific calibration state. There are two options:

- Use <P> to enable the processing systems to perform a word wrapping.
- Use <VERBATIM> if a white-space is significant.

Formal Description

Context: [MATCHING-DCI](#), [PRM-CHAR](#)

Is context for: [P](#), [VERBATIM](#)



REMARK.PNG

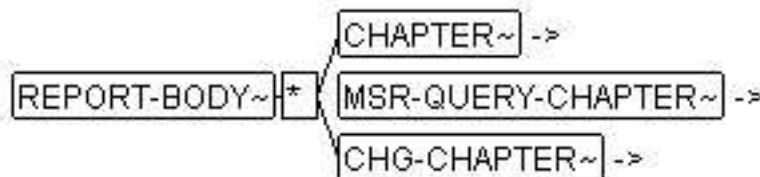
2.133 REPORT-BODY

Description

Formal Description

Context: [MSRREP](#)

Is context for: [CHAPTER](#), [MSR-QUERY-CHAPTER](#), [CHG-CHAPTER](#)



REPORTBODY.PNG

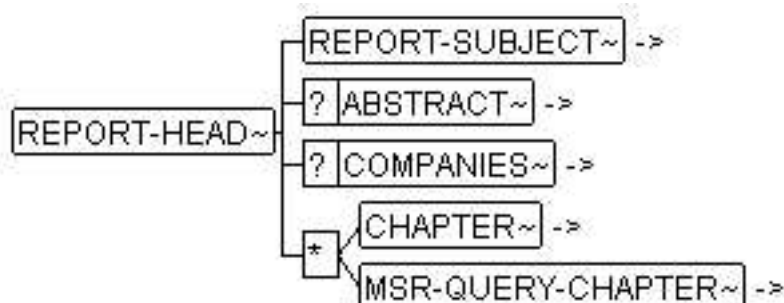
2.134 REPORT-HEAD

Description

Formal Description

Context: [MSRREP](#)

Is context for: [REPORT-SUBJECT](#), [ABSTRACT](#), [COMPANIES](#), [CHAPTER](#), [MSR-QUERY-CHAP](#)



REPORT-HEAD.PNG

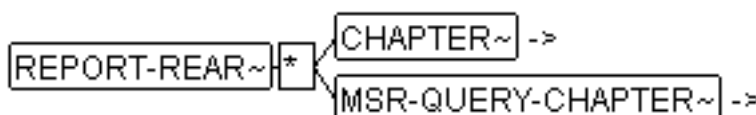
2.135 REPORT-REAR

Description

Formal Description

Context: [MSRREP](#)

Is context for: [CHAPTER](#), [MSR-QUERY-CHAPTER](#)



REPORT-REAR.PNG

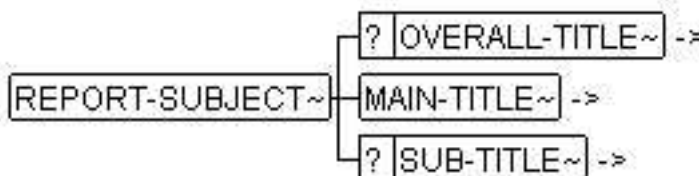
2.136 REPORT-SUBJECT

Description

Formal Description

Context: [REPORT-HEAD](#)

Is context for: [OVERALL-TITLE](#), [MAIN-TITLE](#), [SUB-TITLE](#)



REPORT-SUBJECT.PNG

2.137 REVISION-LABEL

Description

Use **<REVISION-LABEL>**, to enter the version number of the document, or the document section to which administrative is applied.. The syntax is free and refers to the configuration management plan respectively the version management tool being used.

Formal Description

Context: [COMPANY-REVISION-INFO](#), [DOC-REVISION](#)

Is context for: Text



REVISION-LABEL.PNG



2.138 REVISION-LABEL-P1

Description

Use `<REVISION-LABEL-P1>`, to enter the version number of the **first predecessor** of the document, or the document section to which administrative is applied.. The syntax is free and refers to the configuration management plan respectively the version management tool being used. This element is used, if the document or document section is the result of a merge process in which two branches are merged in to one new revision.

Example

```
<REVISION-LABEL>1.4</REVISION-LABEL>  
  <REVISION-LABEL-P1>1.2.1.3</REVISION-LABEL-P1>  
    <REVISION-LABEL-P2>1.3.1.4</REVISION-LABEL-P2>
```

This example shows a scenario where the **current** revision **1.4** is produced by merging **1.3.1.4** into **1.2.1.3**

Formal Description

Context: [COMPANY-REVISION-INFO](#), [DOC-REVISION](#)

Is context for: Text

`REVISION-LABEL-P1` — #PCDATA

REVISION-LABEL-P1.PNG

2.139 REVISION-LABEL-P2

Description

Use `<REVISION-LABEL-P1>`, to enter the version number of the **second predecessor** of the document, or the document section to which administrative is applied.. The syntax is free and refers to the configuration management plan respectively the version management tool being used. This element is used, if the document or document section is the result of a merge process in which two branches are merged in to one new revision.

Example

```
<REVISION-LABEL>1.4</REVISION-LABEL>  
  <REVISION-LABEL-P1>1.2.1.3</REVISION-LABEL-P1>  
    <REVISION-LABEL-P2>1.3.1.4</REVISION-LABEL-P2>
```

This example shows a scenario where **current** revision **1.4** is produced by merging **1.3.1.4** into **1.2.1.3**

Formal Description

Context: [COMPANY-REVISION-INFO](#), [DOC-REVISION](#)

Is context for: Text



REVISION-LABEL-P2~ — #PCDATA

REVISION-LABEL-P2.PNG

2.140 ROLE

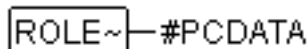
Description

<ROLE> denotes one particular role adopted by the team member within the current project. Roles include "Author", "Calibration engineer", "Supporter", "Quality assurance".

Formal Description

Context: [ROLES](#)

Is context for: Text



ROLE~ — #PCDATA

ROLE.PNG

2.141 ROLES

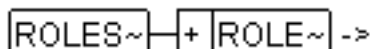
Description

<ROLES> is a wrapper containing all the roles attributed to one particular team member involved in the project.

Formal Description

Context: [COMPANY](#), [TEAM-MEMBER](#)

Is context for: [ROLE](#)



ROLES~ — + ROLE~ ->

ROLES.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|----------------------------------|-------|----------------|--|
| [F-CHILD-TYPE] (fixed) | cdata | ROLE:SELECTION | Fixed Child Type. Warning: This attribute is included in the DTD for compatibility with older versions and should not be used for any new implementations. It may be removed in future versions of the DTD. The attribute contains information stating which child elements of the element carrying this attribute, should be checked by an semantic checker. |

2.142 ROW

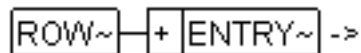
Description

Use **<ROW>** , to create a row in a table.

Formal Description

Context: [TBODY](#), [TFOOT](#), [THEAD](#)

Is context for: [ENTRY](#)



ROW.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|------------------------------|-----------------|--|--|
| [VALIGN] (default) | namedtokengroup | <ul style="list-style-type: none"> • TOP • BOTTOM • MIDDLE | TOP - The contents of the row is aligned to the upper edge of the cell. BOTTOM - The contents of the row is aligned to the lower edge of the cell. MIDDLE - The contents of the row is centered to the vertical. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|------------------------------|---------|--------------|--|
| [ROWSEP] (implied) | nmtoken | | At this point, you should determine whether the row guides of a cell are to be visible. You should enter 0 , if no row guides are to be displayed. You should enter 1 , if the row guides are to be displayed. |

2.143 SD

Description

This element is a "Special Data" element. By using this element it is possible to extend the dtd with a "new" element tag.

Example

If the element:

```
<BIG-NUMBER>1000</BIG-NUMBER>
```

is required but doesn't exist in the dtd it can be created with a **<SD>** element. It would then look like this:

```
<SD GID="BIG-NUMBER">1000</SD>
```

Formal Description

Context: [SDG](#)

Is context for: Text

SD~ — #PCDATA

SD.PNG

| Attribut | Typ | Anmerkungen |
|--------------------------------|---------|--|
| [GID] (required) | cdata | Identification name of the new element |
| [ID-CLASS] (implied) | nmtoken | |
| [ID-REF] (implied) | idref | |

2.144 SDG

Description

SDG (*Special Data Group*) is a backdoor used to handle elements that has not yet been defined in a DTD. The **<SDG>** is a container for one or several **<SD>** that defines new elements and

carries the information. Special Data should only be used moderately since all elements should be defined in the dtd. Thereby should SDG be considered as a temporary solution when elements are missing. If a **<SDG-CAPTION>** element is created along with a **<SHORT-NAME>** it is possible to reference the **<SDG>** structure via a **<XREF>**.

Example

If the element structure:

```
<MY-NUMBERS>
    <BIG-NUMBER>1000</BIG-NUMBER>
    <SMALL-NUMBER>1</SMALL-NUMBER>
</MY-NUMBERS>
```

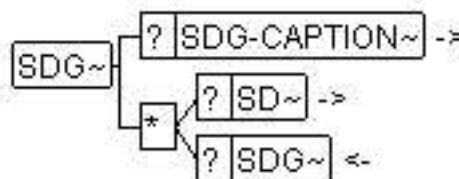
is required but doesn't exist in the dtd it can be created with a **<SDG>** and some **<SD>** elements. It would then look like this:

```
<SDG GID="MY-NUMBERS">
    <SD GID="BIG-NUMBER">1000</SD>
    <SD GID="SMALL-NUMBER">1</SD>
</SDG>
```

Formal Description

Context: [SDG](#), [SDGS](#), [SPECIAL-DATA](#)

Is context for: [SDG-CAPTION](#), [SD](#), [SDG](#)



SDG.PNG

| Attribut | Typ | Anmerkungen |
|----------------------------|-------|--|
| [GID] (required) | cdata | Identification name of the element group |

2.145 SDG-CAPTION

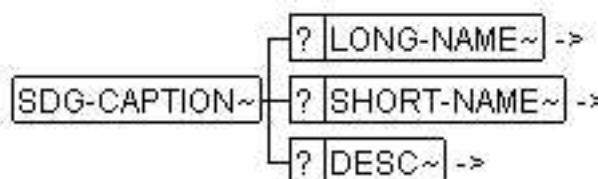
Description

This enables a **<SHORT-NAME>** to be assigned to **[ID]** and enables a **<LONG-NAME>** to be assigned to a special data group **<SDG>** .

Formal Description

Context: [SDG](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [DESC](#)



SDG-CAPTION.PNG



| Attribut | Typ | Wertebereich | Anmerkungen |
|-------------------------|---------|--------------|--|
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |
| [F-ID-CLASS] (fixed) | nmtoken | SDG | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF> can only link to an object which is classified as "TEAM-MEMBER" e. g: <TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER>. |

2.146 SDGS

Description

This is a container for one or several <SDG> (Special Data Group) elements.

Special data groups (SDGs) are a standard extension mechanism for harmonized objects; they are used to store data for that no other element exists of the data model in a structured way. It could be considered as a "well formed island" which allows to carry specific data even if the DTD itself does not explicitly supports it. this prevents a process designer or a user to entirely switch to another technology if information must be transferred which is not explicitly supported.

Example

Examples for the usage of SDGs within harmonized objects are the company specific documentation in COMPANY DOC INFO. This document defines the structure of SDGs but not their content.

The following example is taken from *ASAM MCD 2 Harmonized Data Objects, Version 1.0-RC2*

```
<SDGS>
  <SDG>
    <SDG-CAPTION ID="SDGC_ValidPL" TI="G">
      <SHORT-NAME>ValidPL</SHORT-NAME>
      <LONG-NAME>Validity production line</LONG-NAME>
      <DESC>establishes the relation between ECU and production line</DESC>
    </SDG-CAPTION>
    <SD SI="prodline">E46-M3</SD>
    <SD SI="prodline">E39-M3</SD>
    <SD SI="prodline">E39-M5</SD>
  </SDG>
  <SDG>
    <SDG-CAPTION ID="SDGC_DiagInd" TI="D">
      <SHORT-NAME>DiagInd</SHORT-NAME>
```



```
<LONG-NAME>Diagnosisindex</LONG-NAME>
</SDG-CAPTION>
<SD>0.7</SD>
</SDG>
</SDGS>
```

Formal Description

Context: [COMPANY-DOC-INFO](#)

Is context for: [SDG](#)



SDGS.PNG

2.147 SHORT-LABEL

Description

This element specifies a short name for the context element. This label cannot be referenced in the same way as a **<SHORT-NAME>** in connection with MSRSW (queries, external applications etc.).

Example

See [MATCHING-DCIS](#) Chapter 2.96 [MATCHING-DCIS](#) p. 80 Chapter 2.96 [MATCHING-DCIS](#) p. 80 .

Formal Description

Context: [MATCHING-DCI](#)

Is context for: Text



SHORT-LABEL.PNG

2.148 SHORT-NAME

Description

Use **<SHORT-NAME>** to generate a short name for the context element, which enables it to be **referenced** .

Formal Description

Context: [CHAPTER](#), [CHG-CHAPTER](#), [CHG-OBJECT](#), [CHG-OBJECT-REVISION](#), [CHG-REQUEST](#), [COMPANY](#), [DEF-ITEM](#), [FIGURE-CAPTION](#), [FORMULA-CAPTION](#), [MSRREP](#), [NAMELOC](#), [PRM](#), [SDG-CAPTION](#), [STD](#), [SYN-CAPTION](#), [TABLE-CAPTION](#), [TEAM-MEMBER](#), [TOPIC-1](#), [TOPIC-2](#), [XDOC](#), [XFILE](#), [XREF-TARGET](#)

Is context for: Text

`SHORT-NAME~` - #PCDATA

SHORTNAME.PNG

2.149 SPANSPEC

Description

Use `<SPANSPEC>` to determine the identification data for a merging of columns.

Formal Description

Context: [TGROUP](#)

Hat keinen Inhalt.

`SPANSPEC` empty

SPANSPEC.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|---------------------------------|-----------------|---|---|
| [NAMEEND] (required) | nmtoken | | Identification number of the final column to be merged. |
| [NAMEST] (required) | nmtoken | | Identification number of the first column to be merged. |
| [SPANNAME] (required) | nmtoken | | Identification name for the column merging specified |
| [ALIGN] (default) | namedtokengroup | <ul style="list-style-type: none"> • LEFT • RIGHT • CENTER • JUSTIFY • CHAR | LEFT - The table contents is justified left. RIGHT - The table contents is justified right. CENTER - The table contents is centered horizontally. JUSTIFY - The table contents is displayed with justified typesetting. There is an equal distance from the left and right-hand edges of the cell. CHAR - The alignment of the table contents is set by [CHAR] . |

| Attribut | Typ | Wertebereich | Anmerkungen |
|-------------------------------|---------|--------------|--|
| [CHAR] (implied) | cdata | | If [ALIGN] ="CHAR", this specifies the alignment sign e.g. "bzlw", as a decimal point separator from an existing value of [CHAR] . The sign cannot be a SDATA entity. |
| [CHAROFF] (implied) | nmtoken | | If [ALIGN] ="CHAR", this value indicates the percentage of the current column width to the left edge of the alignment sign in the [CHAR] -attribute. If there is no alignment sign in the element <ENTRY> , alignment is always horizontal right. The default value is taken from the <COLSPEC> element, which is located in the attribute [NAMEST] . |
| [COLSEP] (implied) | nmtoken | | At this point, you should determine whether the column guides of a cell are to be visible. You should enter 0 , if no column guides are to be displayed. You should enter 1 , if the column guides are to be displayed. |
| [ROWSEP] (implied) | nmtoken | | At this point, you should determine whether the row guides of a cell are to be visible. You should enter 0 , if no row guides are to be displayed. You should enter 1 , if the row guides are to be displayed. |

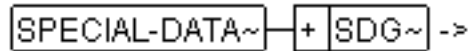
2.150

SPECIAL-DATA

Description

Container element for **<SDG>** .

Formal Description

Context: [MSRREP](#)Is context for: [SDG](#)

```
SPECIAL-DATA~ + SDG~ ->
```

SPECIAL-DATA.PNG

2.151

STATE

Description

<STATE> represents the current state of the current file according to the configuration management plan.

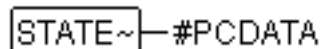
Example

```
<STATE>reviewed</STATE>
```

Formal Description

Context: [COMPANY-REVISION-INFO](#), [DOC-REVISION](#)

Is context for: Text



```
STATE~ #PCDATA
```

STATE.PNG

2.152

STATE-1

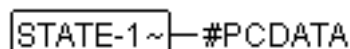
Description

Use <STATE-1> to enter the version and state of a standard or an external document.

Formal Description

Context: [STD](#), [XDOC](#)

Is context for: Text



```
STATE-1~ #PCDATA
```

STATE-1.PNG

2.153

STD

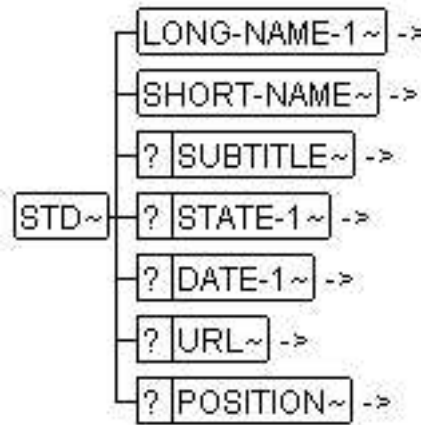
Description

Use <STD> to reference external standards within a paragraph element.

Formal Description

Context: [CHANGE](#), [DESC](#), [MSR-QUERY-RESULT-TEXT](#), [P](#)

Is context for: [LONG-NAME-1](#), [SHORT-NAME](#), [SUBTITLE](#), [STATE-1](#), [DATE-1](#), [URL](#), [POSITION](#)



STD.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|---|
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |
| [F-ID-CLASS] (fixed) | nmtoken | STD | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <code><TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF></code> can only link to an object which is classified as "TEAM-MEMBER" e. g. <code><TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER></code> . |

2.154 SUB

Description

Use `<SUB>` to display sections of text within a paragraph element, in a smaller font beneath the base line.

Formal Description

Context: [ABS](#), [CHANGE](#), [DESC](#), [IE](#), [INDENT-SAMPLE](#), [ITEM-LABEL](#), [LABEL](#), [LONG-NAME](#), [LONG-NAME-1](#), [MAIN-TITLE](#), [MAX](#), [MIN](#), [MSR-QUERY-RESULT-TEXT](#), [OVERALL-TITLE](#), [P](#), [REASON](#), [SUB-TITLE](#), [TEXT](#), [TOL](#), [TYP](#), [UNIT](#)

Is context for: Text

SUB~ — #PCDATA

SUB.PNG

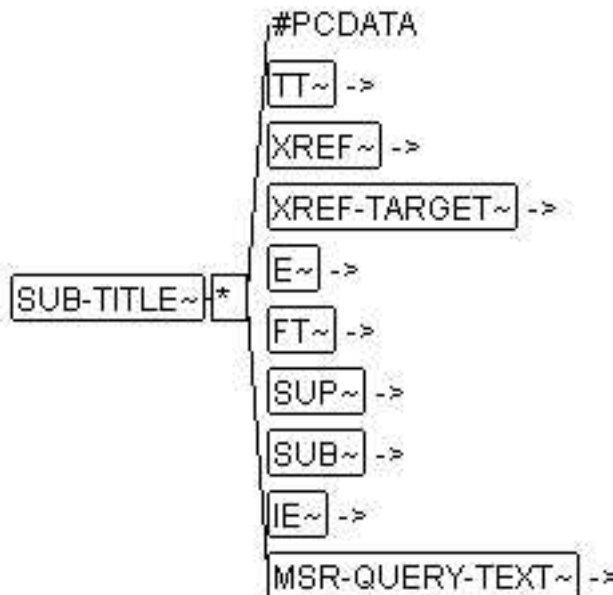
2.155 SUB-TITLE

Description

Formal Description

Context: [REPORT-SUBJECT](#)

Is context for: Text, [TT](#), [XREF](#), [XREF-TARGET](#), [E](#), [FT](#), [SUP](#), [SUB](#), [IE](#), [MSR-QUERY-TEXT](#)



SUB-TITLE.PNG

2.156 SUBTITLE

Description

Use <**SUBTITLE**> to enter a sub-heading of an external standard.

Formal Description

Context: [STD](#)

Is context for: Text

SUBTITLE~ #PCDATA

SUBTITLE.PNG

2.157 SUP

Description

Use <SUP> to display sections of text within a paragraph element, in a smaller font above the base line.

Formal Description

Context: ABS, CHANGE, DESC, IE, INDENT-SAMPLE, ITEM-LABEL, LABEL, LONG-NAME, LONG-NAME-1, MAIN-TITLE, MAX, MIN, MSR-QUERY-RESULT-TEXT, OVERALL-TITLE, P, REASON, SUB-TITLE, TEXT, TOL, TYP, UNIT

Is context for: Text

SUP~ #PCDATA

SUP.PNG

2.158 SYN-ARGUMENT

Description

This element describes one particular Argument within the current object synopsis. The name of the argument goes into <ITEM-LABEL>. The short description goes in to <DESC>. The detailed description goes into <ADD-INFO-5>.

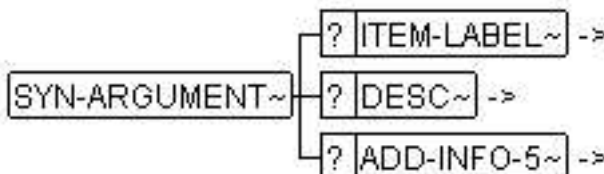
Example

see [Chapter 2.161 SYN-EXAMPLE](#) p. 120

Formal Description

Context: SYN-ARGUMENTS

Is context for: ITEM-LABEL, DESC, ADD-INFO-5



SYN-ARGUMENT.PNG

2.159 SYN-ARGUMENTS

Description

This element takes all arguments of the objects described in the synopsis.

Example

see [Chapter 2.161 SYN-EXAMPLE](#) p. 120

Formal Description

Context: [SYN-SYNOPSIS](#)

Is context for: [SYN-ARGUMENT](#)



SYN-ARGUMENTS.PNG

2.160 SYN-CAPTION

Description

This serves to specify the caption of a particular synopsis similar to <TABLE-CAPTION>.

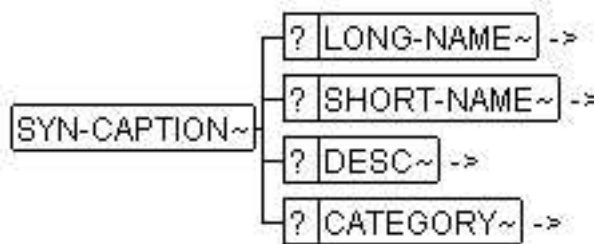
Example

[Chapter 2.161 SYN-EXAMPLE](#) p. 120

Formal Description

Context: [SYN-SYNOPSIS](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [DESC](#), [CATEGORY](#)



SYN-CAPTION.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|---------------------------------|---------|--------------|-------------|
| [ID] (implied) | id | | |
| [F-ID-CLASS] (fixed) | nmtoken | SYNOPSIS | |
| [F-NAMESPACE] (fixed) | nmtoken | SYNOPSIS | |

2.161 SYN-EXAMPLE

Description

This element is used to give an example how to use the object the **<SYN-SYNOPSIS>** is given for.

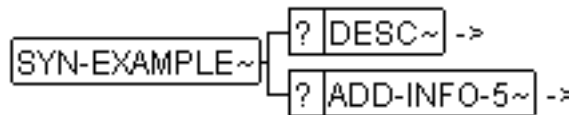
Example

[Chapter 2.161 SYN-EXAMPLE](#) p. 120

Formal Description

Context: [SYN-SYNOPSIS](#)

Is context for: [DESC](#), [ADD-INFO-5](#)



SYN-EXAMPLE.PNG

2.162 SYN-FORMAT

Description

This element specifies the format how the object for which the **<SYN-SYNOPSIS>** is given. Note that the target name of the target-format ist described in the **<P>**.

Example

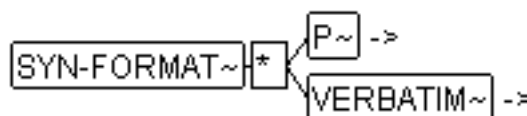
see [Chapter 2.161 SYN-EXAMPLE](#) p. 120

```
<SYN-FORMAT>
  <P>usage in C++</P>
  <VERBATIM>
    x=mmx.execute("-S myfile.xml");
  </VERBATIM>
  <P>usage in Visual Basic</P>
  <VERBATIM>
    let x=mmx.execute("-S myfile.xml");
  </VERBATIM>
</SYN-FORMAT>
```

Formal Description

Context: [SYN-FORMATS](#)

Is context for: [P](#), [VERBATIM](#)



SYN-FORMAT.PNG

2.163 SYN-FORMATS

Description

This element is a container for all the possible formats in which the object described in **<SYN-SYNOPSIS>** can be used.

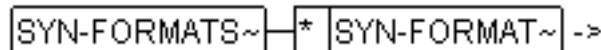
Example

see [Chapter 2.161 SYN-EXAMPLE](#) p. 120

Formal Description

Context: [SYN-SYNOPSIS](#)

Is context for: [SYN-FORMAT](#)



SYN-FORMATS.PNG

2.164 SYN-INCLUDE

Description

This element denotes the required inclusions required by the objects for which a **<SYN-SYNOPSIS>** is given.

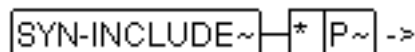
Example

see [Chapter 2.164](#) p. 122

Formal Description

Context: [SYN-SYNOPSIS](#)

Is context for: [P](#)



SYN-INCLUDE.PNG

2.165 SYN-OBJECT

Description

This element is used to denote an object which is described in the current synopsis. The name of the object is given as **<ITEM-LABEL>**. The **<P>** are used to give a short definition of the main purpose of the object.

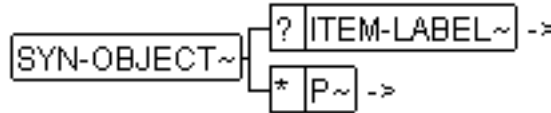
Example

see [Chapter 2.170](#) p. 125

Formal Description

Context: [SYN-OBJECTS](#)

Is context for: [ITEM-LABEL](#), [P](#)



SYN-OBJECT.PNG

2.166 SYN-OBJECTS

Description

This element serves as a container to keep all **<SYN-OBJECT>**s in the Synopsis.

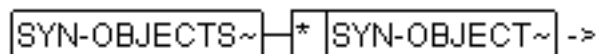
Example

Chapter 2.170 p. 125

Formal Description

Context: [SYN-SYNOPSIS](#)

Is context for: [SYN-OBJECT](#)



SYN-OBJECTS.PNG

2.167 SYN-RETURN-VALUE

Description

This element describes the return value of the object for which the synopsis is given. **<DESC>** takes a short description used for overviews. **<ADD-INFO-5>** is used to give a full blown specification.

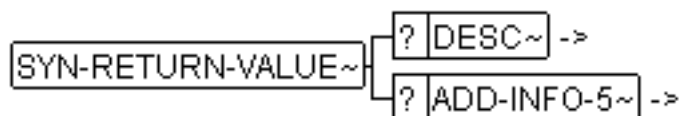
Example

see Chapter 2.170 p. 125

Formal Description

Context: [SYN-SYNOPSIS](#)

Is context for: [DESC](#), [ADD-INFO-5](#)



SYN-RETURN-VALUE.PNG

2.168 SYN-SEE-ALSO

Description

This element is used to to give references to similar objects and additional reference material.

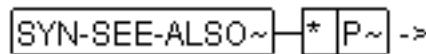
Example

see [Chapter 2.170 p. 125](#)

Formal Description

Context: [SYN-SYNOPSIS](#)

Is context for: [P](#)



SYN-SEE-ALSO.PNG

2.169 SYN-SEMANTICS

Description

This element is used to specify the particular semantics of the objects for which a synopsis is given. **<DESC>** takes an quick description intended for overview tables. **<ADD-INFO-5>** takes a full blown specification.

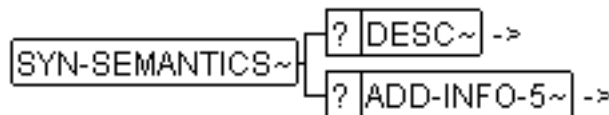
Example

see [Chapter 2.170 p. 125](#)

Formal Description

Context: [SYN-SYNOPSIS](#)

Is context for: [DESC](#), [ADD-INFO-5](#)



SYN-SEMANTICS.PNG

2.170 SYN-SYNOPSIS

Description

This element serves as a semiformal description of the Synopsis of an application programming interface. This is mainly intended to be used for generating a programmer's reference manual in *MSRREP*. Although there is some overlap with **<SW-SERVICE>** in the *MSRSW*-Context, this Element can be useful to specify a required API. Therefore **<SYN-SYNOPSIS>** is located in free text elements on a paragraph level. **<SYN-SYNOPSIS>** is made such that it can be rendered similar to a **<LABELED-LIST>**. In this sense, **<SYN-SYNOPSIS>** can be considered as a specific form of a **<LABELED-LIST>**.

Example

This example shows the source code of a routine called forceerror which take three arguments.

```

<SYN-SYNOPSIS>
<SYN-CAPTION ID="SYN.PROCEDURE.FORCEERROR">
<LONG-NAME>forceerror</LONG-NAME>
</SYN-CAPTION>
<SYN-OBJECTS>

<SYN-OBJECT>
<ITEM-LABEL>forceerror
<IE>procedure;forceerror</IE>

<IE>forceerror</IE>
</ITEM-LABEL>

<P>force an error</P>
</SYN-OBJECT>
</SYN-OBJECTS>
<SYN-FORMATS>

<SYN-FORMAT>

<P>
<E TYPE="ITALIC">subject</E>.forceerror(
<E TYPE="ITALIC">type</E>,
<E TYPE="ITALIC">code</E>,
<E TYPE="ITALIC">node</E>?)
</P>
</SYN-FORMAT>
</SYN-FORMATS>
<SYN-ARGUMENTS>

<SYN-ARGUMENT>
<ITEM-LABEL>subject</ITEM-LABEL>

<DESC>string</DESC>
</SYN-ARGUMENT>

<SYN-ARGUMENT>
<ITEM-LABEL>type</ITEM-LABEL>

<DESC>single string</DESC>
</SYN-ARGUMENT>

<SYN-ARGUMENT>
<ITEM-LABEL>code</ITEM-LABEL>

<DESC>single string</DESC>
</SYN-ARGUMENT>

<SYN-ARGUMENT>
<ITEM-LABEL>node</ITEM-LABEL>

<DESC>tree node</DESC>
</SYN-ARGUMENT>
</SYN-ARGUMENTS>

<SYN-RETURN-VALUE>

<DESC>>null</DESC>
<ADD-INFO-5/>
</SYN-RETURN-VALUE>
<SYN-SEMANTICS>

<DESC>forces a warning/error... to be issued;

<E TYPE="PLAIN" FONT="MONO" COLOR="blue">subject</E> (which must evaluate to a
string) is used as the message text;
<E TYPE="PLAIN" FONT="MONO" COLOR="blue">type</E> may be any string, e.g., "warning",
"error" etc.,
<E TYPE="PLAIN" FONT="MONO" COLOR="blue">code</E> is
used as the warning/error/... code, e.g., "illegal input" etc.;

<E TYPE="PLAIN" FONT="MONO" COLOR="blue">node</E> the object to which the error
node will be linked (the current target node if nothing is speci

</DESC>

<ADD-INFO-5/>
</SYN-SEMANTICS>
</SYN-EXAMPLE>

```

```

<ADD-INFO-5>
  <VERBATIM>: i "Wrong.\n".forceerror("INFO","ILLEGAL INPUT");</VERBATIM>
  <P>returns the following output on stderr:</P>
  <VERBATIM>FORCED-INFO (ILLEGAL INPUT) :
Wrong.
null
:</VERBATIM>

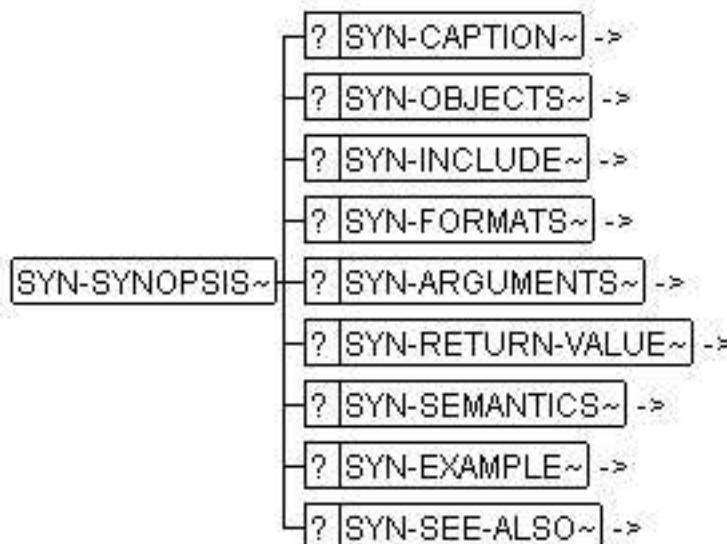
</ADD-INFO-5>
</SYN-EXAMPLE>
</SYN-SYNOPSIS>

```

Formal Description

Context: [ADD-INFO-5](#), [CHAPTER](#), [MSR-QUERY-RESULT-P-1](#), [TOPIC-1](#)

Is context for: [SYN-CAPTION](#), [SYN-OBJECTS](#), [SYN-INCLUDE](#), [SYN-FORMATS](#),
[SYN-ARGUMENTS](#), [SYN-RETURN-VALUE](#), [SYN-SEMANTICS](#),
[SYN-EXAMPLE](#), [SYN-SEE-ALSO](#)



SYN-SYNOPSIS.PNG

2.171 TABLE

Description

Use **<TABLE>** to create a table.

Formal Description

Context: [ABSTRACT](#), [ADD-INFO-5](#), [CHAPTER](#), [CHG-REASON](#), [CHG-RELEASE-NOTES](#),
[CHG-SOLUTION-CON](#), [CHG-SOLUTION-PRO](#), [CHG-SOLUTION-SPEC](#),
[CHG-SUBJECT](#), [INTRODUCTION](#), [MSR-PROCESSING-LOG](#),
[MSR-QUERY-RESULT-P-1](#), [MSR-QUERY-RESULT-P-2](#), [TOPIC-1](#), [TOPIC-2](#)

Is context for: [TABLE-CAPTION](#), [TGROUP](#)

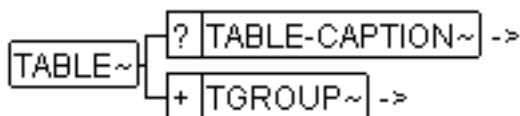


TABLE.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|-----------------|---|---|
| [TOCENTRY] (default) | nmtoken | 1 | 0 - no table heading <LONG-NAME> entered into the table directory. 0 - table heading <LONG-NAME> entered into the table directory. |
| [COLSEP] (implied) | nmtoken | | At this point, you should determine whether the column guides of a cell are to be visible. You should enter 0 , if no column guides are to be displayed. You should enter 1 , if the column guides are to be displayed. |
| [FLOAT] (implied) | namedtokengroup | <ul style="list-style-type: none"> FLOAT NO-FLOAT | Permits a check, in the case of a <TABLE> that cannot be broken up, to determine whether the <TABLE> can be shifted elsewhere, so that the page can be used to a greater advantage (compare to flat at TeX). |
| [FRAME] (implied) | namedtokengroup | <ul style="list-style-type: none"> TOP BOTTOM TOPBOT ALL SIDES NONE | TOP - graphic limit at upper edge of table. BOTTOM - graphic limit at lower edge of table. TOPBOT - graphic limit at upper and lower edge of table. ALL - graphic limit of all table edges. SIDES - graphic limit of side edges of table NONE - no graphic limits in table |



| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|--|---|
| [HELP-ENTRY] (implied) | cdata | | Enables the help to be called by marking the father element. The syntax has its origins in the help system utilized. This is often used to calculate a widget name hierarchy from a widow system, which is then correlated with the help entries. For example: |
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none">• KEEP• NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |
| [ORIENT] (implied) | namedtokengroup | <ul style="list-style-type: none">• PORT• LAND | PORT - table contents is parallel to the paragraph elements. LAND - table contents is at orthogonal to the paragraph elements. |
| [PGWIDE] (implied) | nmtoken | | 0 - table width is the sum of the widths specified for the columns. 1 - table width corresponds to page width. |
| [ROWSEP] (implied) | nmtoken | | At this point, you should determine whether the row guides of a cell are to be visible. You should enter 0 , if no row guides are to be displayed. You should enter 1 , if the row guides are to be displayed. |
| [SHORTENTRY] (implied) | nmtoken | | 0 - a <SHORT-NAME> is not taken over into the table directory 0 - table directory is assigned a <SHORT-NAME> . |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|---|
| [TABSTYLE] (implied) | nmtoken | | Identification of an external table style |

2.172 TABLE-CAPTION

Description

This element specifies the table heading.

Formal Description

Context: [TABLE](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#)

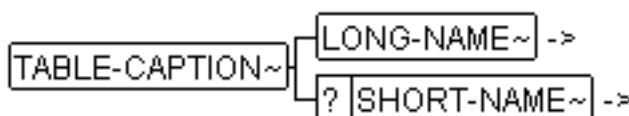


TABLE-CAPTION.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|---|
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |
| [F-ID-CLASS] (fixed) | nmtoken | TABLE | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <code><TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF></code> can only link to an object which is classified as "TEAM-MEMBER" e. g. <code><TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER></code> . |

2.173 TBODY

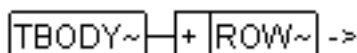
Description

Use <TBODY> to generate all of the rows in a table.

Formal Description

Context: [TGROUP](#)

Is context for: [ROW](#)



TBODY.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------|-----------------|---|--|
| [VALIGN] (default) | namedtokengroup | <ul style="list-style-type: none"> • TOP • MIDDLE • BOTTOM | TOP - The contents of the table is aligned to the upper edge of the cell. BOTTOM - The contents of the table is aligned to the lower edge of the cell. MIDDLE - The contents of the table is centered to the vertical. |

2.174 TEAM-MEMBER

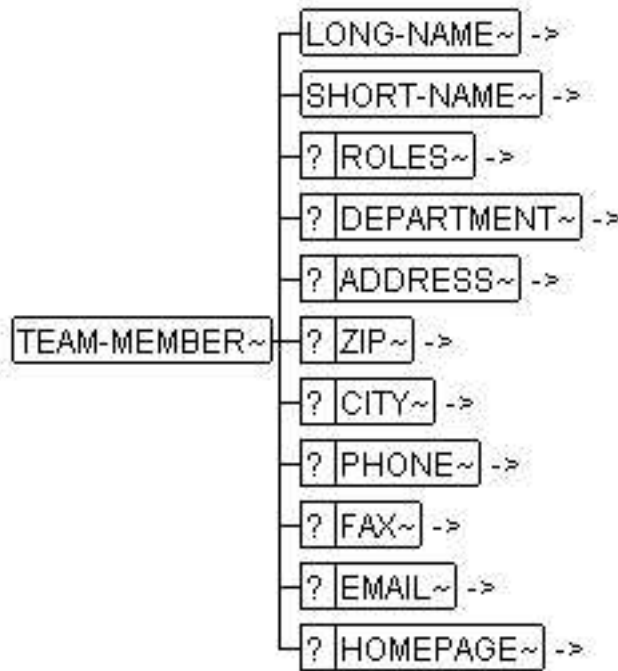
Description

Use <TEAM-MEMBER> to enter data on a project participant from a specific company.

Formal Description

Context: [TEAM-MEMBERS](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [ROLES](#), [DEPARTMENT](#), [ADDRESS](#),
[ZIP](#), [CITY](#), [PHONE](#), [FAX](#), [EMAIL](#), [HOMEPAGE](#)



TEAM-MEMBER.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|---|
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |
| [F-ID-CLASS] (fixed) | nmtoken | TEAM-MEMBER | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <code><TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF></code> can only link to an object which is classified as "TEAM-MEMBER" e. g: <code><TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER></code> . |

2.175 TEAM-MEMBER-REF

Description

<TEAM-MEMBER-REF> is the pointer to one particular team member. The content is the <SHORT-NAME> of the corresponding <TEAM-MEMBER> .

Example

For an example, see [Chapter 2.5 ADMIN-DATA p. 12 ADMIN-DATA](#) [Chapter 2.5 ADMIN-DATA p. 12](#) .

Formal Description

Context: [CHG-RESPONSIBLE](#), [COMPANY-DOC-INFO](#), [DOC-REVISION](#)

Is context for: Text

TEAM-MEMBER-REF~—#PCDATA

TEAM-MEMBER-REF.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|--|
| [ID-REF] (implied) | idref | | Reference to an element made unambiguous through an ID attribute value within the document. |
| [F-ID-CLASS] (fixed) | nmtoken | TEAM-MEMBER | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF> can only link to an object which is classified as "TEAM-MEMBER" e. g: <TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER>. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------|----------|----------------|---|
| [HYNAMES] (fixed) | nmtokens | LINKEND ID-REF | HYNAMES is a mapping functionality defined in ISO 10744 HYTIME (Hypermedia/Time-based Structuring Language). The names of the locator attributes (e.g. ID-REF), used to address the target of a hyperlink, can be mapped to names defined in the HYTIME standard, LINKEND. This enables the use of a generic architectural form processor for link processing and transition. |
| [HYTIME] (fixed) | nmtoken | CLINK | HYTIME is the standard attribute used to define a HYTIME architectural form. This functionality is defined in ISO 10744 HYTIME (Hypermedia/Time-based Structuring Language). It enables the use of a generic architectural form processor for link processing and transition. |

2.176 TEAM-MEMBERS

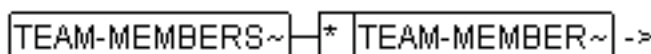
Description

Use <TEAM-MEMBERS> to enter data on all project participants from a specific company.

Formal Description

Context: [COMPANY](#)

Is context for: [TEAM-MEMBER](#)



TEAM-MEMBERS.PNG

2.177 TEX-MATH

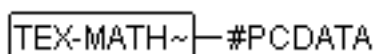
Description

Use <TEX-MATH> to insert a TeX formula. A TeX formula can be processed by a TeX or a LaTeX processor.

Formal Description

Context: [FORMULA](#)

Is context for: Text



TEX-MATH.PNG

2.178 TEXT

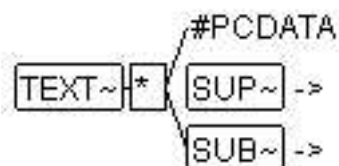
Description

Use <TEXT> to enter descriptive text into the cell of a parameter table.

Formal Description

Context: [PRM-CHAR](#)

Is context for: Text, [SUP](#), [SUB](#)



TEXT.PNG

2.179 TFOOT

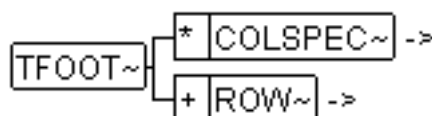
Description

Use <TFOOT> to create a footnote for a table.

Formal Description

Context: [TGROUP](#)

Is context for: [COLSPEC](#), [ROW](#)



TFOOT.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|------------------------------|-----------------|---|--|
| [VALIGN] (default) | namedtokengroup | <ul style="list-style-type: none"> • TOP • MIDDLE • BOTTOM | TOP - The contents of the table is aligned to the upper edge of the cell. BOTTOM - The contents of the table is aligned to the lower edge of the cell. MIDDLE - The contents of the table is centered to the vertical. |

2.180 TGROUP

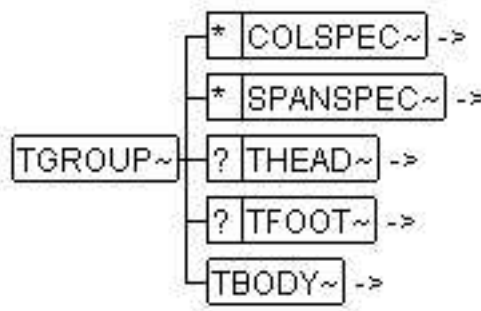
Description

Use <TGROUP> to create a table group within a table.

Formal Description

Context: [TABLE](#)

Is context for: [COLSPEC](#), [SPANSPEC](#), [THEAD](#), [TFOOT](#), [TBODY](#)



TGROUP.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------|---------|--------------|---|
| [COLS] (required) | nmtoken | | Enter the number of columns in the table group. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|-------------------------------|-----------------|---|---|
| [ALIGN] (default) | namedtokengroup | <ul style="list-style-type: none"> • LEFT • RIGHT • CENTER • JUSTIFY • CHAR | <p>LEFT - The table contents is justified left.</p> <p>RIGHT - The table contents is justified right.</p> <p>CENTER - The table contents is centered horizontally.</p> <p>JUSTIFY - The table contents is displayed with justified typesetting. There is an equal distance from the left and right-hand edges of the cell.</p> <p>CHAR - The alignment of the table contents is set by [CHAR] .</p> |
| [CHAR] (default) | cdata | | <p>If [ALIGN]="CHAR", this specifies the alignment sign e.g. "bzlw", as a decimal point separator from an existing value of [CHAR] . The sign cannot be a SDATA entity.</p> |
| [CHAROFF] (default) | nmtoken | 50 | <p>If [ALIGN]="CHAR", this value indicates the percentage of the current column width to the left edge of the alignment sign in the [CHAR]-attribute. If there is no alignment sign in the element <ENTRY> , alignment is always horizontal right.</p> |
| [COLSEP] (implied) | nmtoken | | <p>At this point, you should determine whether the column guides of a cell are to be visible. You should enter 0, if no column guides are to be displayed. You should enter 1 , if the column guides are to be displayed.</p> |

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------------|---------|--------------|--|
| [ROWSEP] (implied) | nmtoken | | At this point, you should determine whether the row guides of a cell are to be visible. You should enter 0 , if no row guides are to be displayed. You should enter 1 , if the row guides are to be displayed. |
| [TGROUPSTYLE] (implied) | nmtoken | | Identification of an external table group style |

2.181 THEAD

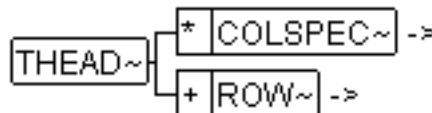
Description

Use <THEAD> to create a heading for a table.

Formal Description

Context: [TGROUP](#)

Is context for: [COLSPEC](#), [ROW](#)



THEAD.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|------------------------------|-----------------|--|--|
| [VALIGN] (default) | namedtokengroup | <ul style="list-style-type: none"> • TOP • MIDDLE • BOTTOM | TOP - The contents of the table is aligned to the upper edge of the cell. BOTTOM - The contents of the table is aligned to the lower edge of the cell. MIDDLE - The contents of the table is centered to the vertical. |

2.182 TOL

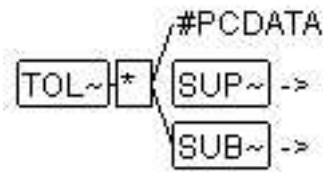
Description

Use <TOL> to enter the tolerance values of a parameter.

Formal Description

Context: [PRM-CHAR](#)

Is context for: Text, [SUP](#), [SUB](#)



TOL.PNG

2.183 TOOL

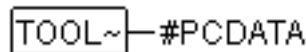
Description

This element describes the tool which was used to generate the corresponding **<XFILE>** .

Formal Description

Context: [XFILE](#)

Is context for: Text



TOOL.PNG

2.184 TOOL-VERSION

Description

This element describes the tool version which was used to generate the corresponding **<XFILE>** .

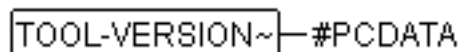
Example

```
<XFILE ID="DC17723163279664">
  <LONG-NAME-1>Praesentation</LONG-NAME-1>
  <NOTATION>PowerPoint</NOTATION>
  <TOOL>Microsoft PowerPoint</TOOL>
  <TOOL-VERSION>2000</TOOL-VERSION>
</XFILE>
```

Formal Description

Context: [XFILE](#)

Is context for: Text



TOOL-VERSION.PNG

2.185 TOPIC-1

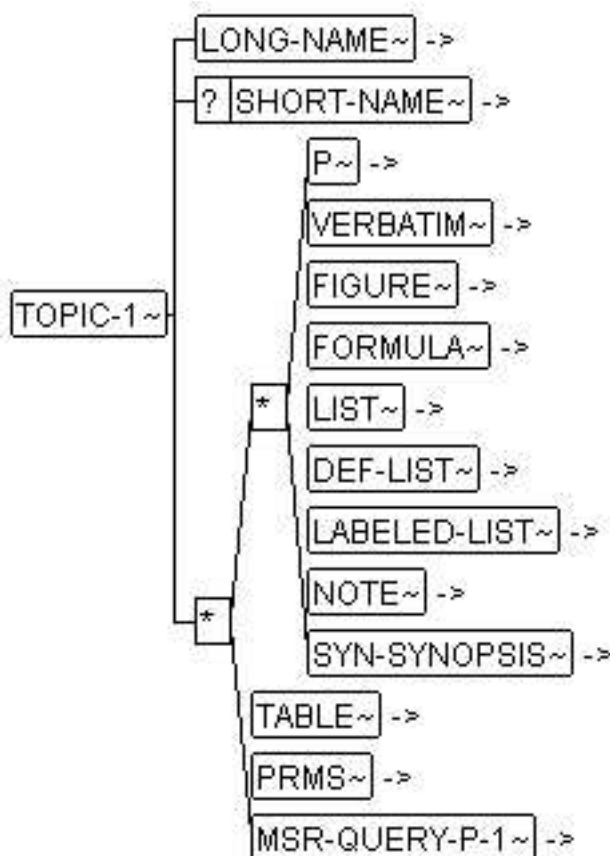
Description

Use **<TOPIC-1>** to generate a closed sense unit within a documentation.

Formal Description

Context: [CHAPTER](#), [CHG-REASON](#), [CHG-RELEASE-NOTES](#), [CHG-SOLUTION-CON](#), [CHG-SOLUTION-PRO](#), [CHG-SOLUTION-SPEC](#), [CHG-SUBJECT](#), [MSR-PROCESSING-LOG](#), [MSR-QUERY-RESULT-TOPIC-1](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [SYN-SYNOPSIS](#), [TABLE](#), [PRMS](#), [MSR-QUERY-P-1](#)



TOPIC-1.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|----------------------------------|-------|--------------|--|
| [HELP-ENTRY] (implied) | cdata | | Enables the help to be called by marking the father element. The syntax has its origins in the help system utilized. This is often used to calculate a widget name hierarchy from a widow system, which is then correlated with the help entries. For example: |
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |
| [F-ID-CLASS] (fixed) | nmtoken | TOPIC | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <code><TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF></code> can only link to an object which is classified as "TEAM-MEMBER" e. g: <code><TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER></code> . |

2.186 TOPIC-2

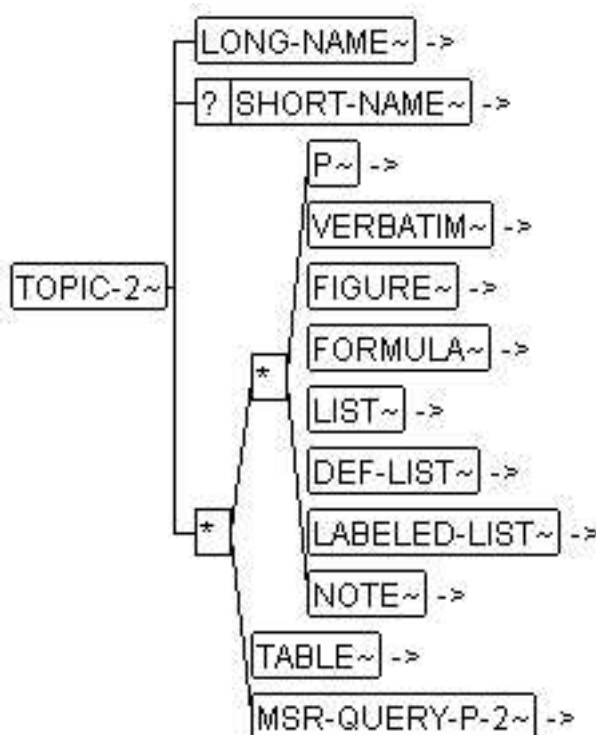
Description

Use `<TOPIC-2>` to generate a closed sense unit within a documentation.

Formal Description

Context: [ABSTRACT](#), [INTRODUCTION](#), [MSR-QUERY-RESULT-TOPIC-2](#)

Is context for: [LONG-NAME](#), [SHORT-NAME](#), [P](#), [VERBATIM](#), [FIGURE](#), [FORMULA](#), [LIST](#), [DEF-LIST](#), [LABELED-LIST](#), [NOTE](#), [TABLE](#), [MSR-QUERY-P-2](#)



TOPIC-2.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [HELP-ENTRY] (implied) | cdata | | Enables the help to be called by marking the father element. The syntax has its origins in the help system utilized. This is often used to calculate a widget name hierarchy from a widow system, which is then correlated with the help entries. For example: |
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> KEEP NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|--|
| [F-ID-CLASS] (fixed) | nmtoken | TOPIC | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF> can only link to an object which is classified as "TEAM-MEMBER" e. g: <TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER>. |

2.187

TT

Description

Use <TT> to format technical terms within the paragraph element.

Formal Description

Context: [CHANGE](#), [DESC](#), [FT](#), [INDENT-SAMPLE](#), [ITEM-LABEL](#), [LABEL](#), [LONG-NAME](#), [LONG-NAME-1](#), [MAIN-TITLE](#), [MSR-QUERY-RESULT-TEXT](#), [OVERALL-TITLE](#), [P](#), [REASON](#), [SUB-TITLE](#)

Is context for: Text

TT~—#PCDATA

TT.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|----------------------------------|-----------------|--|---|
| [TYPE] (required) | namedtokengroup | <ul style="list-style-type: none"> • SGMLTAG • SGML-ATTRIBUTE • TOOL • PRODUCT • VARIABLE • STATE • PRM • MATERIAL • CONTROL-ELEMENT • CODE • ORGANISATION • OTHER | Indicates a type of the respective element. |
| [USER-DEFINED-TYPE] (implied) | cdata | | Allows user-specific TTs to be introduced. |

2.188

TYP

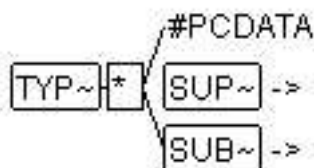
Description

Use <TYP> to enter the typical values of a parameter.

Formal Description

Context: [PRM-CHAR](#)

Is context for: Text, [SUP](#), [SUB](#)



TYP PNG

2.189

UNIT

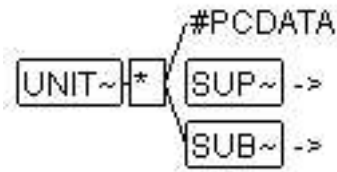
Description

Use <UNIT> to enter the unit of a parameter.

Formal Description

Context: [PRM-CHAR](#)

Is context for: Text, [SUP](#), [SUB](#)



UNIT.PNG

2.190 URL

Description

This element specifies the Uniform Resource Locator (URL) of the context contained in the **<URL>** element.

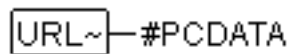
Example

See [Chapter 2.96 MATCHING-DCIS](#) p. 80 [MATCHING-DCI](#) Chapter 2.95 [MATCHING-DCI](#) p. 80

Formal Description

Context: [MATCHING-DCI](#), [STD](#), [XDOC](#), [XFILE](#)

Is context for: Text



URL.PNG

| Attribut | Typ | Anmerkungen |
|---------------------------------|-------|-------------|
| [MIME-TYPE] (implied) | cdata | |

2.191 USED-LANGUAGES

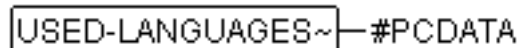
Description

Use **<USED-LANGUAGES>** to enter all other languages, in addition to the document language, which are used in a document or a section of a document.

Formal Description

Context: [ADMIN-DATA](#)

Is context for: Text



USED-LANGUAGES.PNG

2.192 VERBATIM

Description

<VERBATIM> is a paragraph in which white-space (in particular blanks and line feeds) is obeyed. This enables basic preformatting to be carried out, which can even be displayed on simple devices. Behavior is the same as PRE in *HTML* .

Example

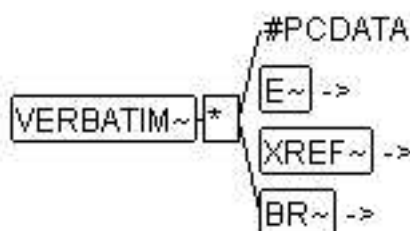
```
<VERBATIM>
    This is the system to demonstrate, how CDF should work.

    I make it in three lines to demonstrate, how VERBATIM works.
</VERBATIM>
```

Formal Description

Context: [ABSTRACT](#), [ADD-INFO-5](#), [CHAPTER](#), [CHG-REASON](#), [CHG-RELEASE-NOTES](#), [CHG-SOLUTION-CON](#), [CHG-SOLUTION-PRO](#), [CHG-SOLUTION-SPEC](#), [CHG-SUBJECT](#), [ENTRY](#), [FIGURE](#), [FORMULA](#), [INTRODUCTION](#), [ITEM](#), [LABELED-ITEM](#), [MSR-PROCESSING-LOG](#), [MSR-QUERY-RESULT-P-1](#), [MSR-QUERY-RESULT-P-2](#), [REMARK](#), [SYN-FORMAT](#), [TOPIC-1](#), [TOPIC-2](#)

Is context for: Text, [E](#), [XREF](#), [BR](#)



VERBATIM.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------------|-----------------|---|--|
| [ALLOW-BREAK] (default) | nmtoken | 1 | Checks whether page breaks may be included in a <VERBATIM> . NO-ALLOW-BREAK means that the user is responsible for confining the layout to a page. |
| [FLOAT] (implied) | namedtokengroup | <ul style="list-style-type: none"> FLOAT NO-FLOAT | Permits a check, in the case of a <VERBATIM> that cannot be broken up, to determine whether the <VERBATIM> can be shifted elsewhere, so that the page can be used to a greater advantage (compare to flat at TeX). |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [HELP-ENTRY] (implied) | cdata | | Enables the help to be called by marking the father element. The syntax has its origins in the help system utilized. This is often used to calculate a widget name hierarchy from a widow system, which is then correlated with the help entries. For example: |
| [KEEP-WITH-PREVIOUS] (implied) | namedtokengroup | <ul style="list-style-type: none"> • KEEP • NO-KEEP | This makes it compulsory for the current element to be formatted on the same page as the previous element, during page formatting (KEEP). If the value is NO-KEEP, the positioning of the element on the next page relates to the position of the previous element. |
| [PGWIDE] (implied) | namedtokengroup | <ul style="list-style-type: none"> • PGWIDE • NO-PGWIDE | PGWIDE: enables the contents of the current element to be formatted using the entire width of the page. This for example, is beneficial in the case of code containing more than 80 characters per line. |

2.193

XDOC

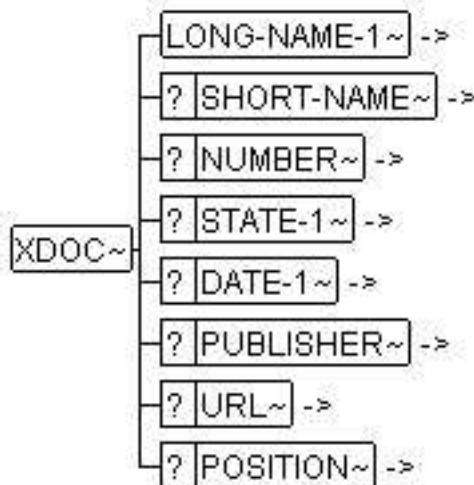
Description

Use `<XDOC>` , to reference an external document.

Formal Description

Context: [CHANGE](#), [DESC](#), [MSR-QUERY-RESULT-TEXT](#), [P](#)

Is context for: [LONG-NAME-1](#), [SHORT-NAME](#), [NUMBER](#), [STATE-1](#), [DATE-1](#), [PUBLISHER](#), [URL](#), [POSITION](#)



XDOC.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|--|
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |
| [F-ID-CLASS] (fixed) | nmtoken | XDOC | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF> can only link to an object which is classified as "TEAM-MEMBER" e. g: <TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER>. |

2.194 XFILE

Description

Use <XFILE> , to reference an external file.

Example

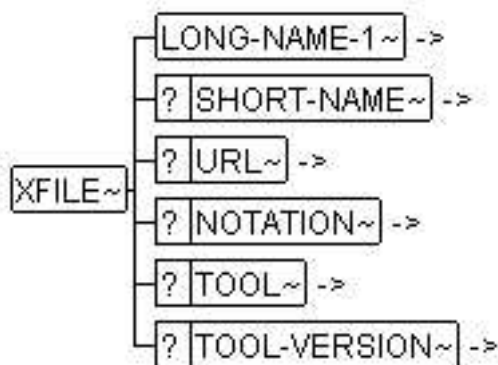
```
<P>Please refer to
    <XFILE>
    <LONG-NAME-1>Parameter Contents file</LONG-NAME-1>
```

```
<SHORT-NAME>0711paco</SHORT-NAME>
<URL>../pacos/0711paco.xml</URL>
<NOTATION>PaCo</NOTATION>
<TOOL>DDCL</TOOL>
<TOOL-VERSION>1.3</TOOL-VERSION>
</XFILE>
</P>
```

Formal Description

Context: [CHANGE](#), [DESC](#), [MSR-QUERY-RESULT-TEXT](#), [P](#)

Is context for: [LONG-NAME-1](#), [SHORT-NAME](#), [URL](#), [NOTATION](#), [TOOL](#), [TOOL-VERSION](#)



XFILE.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|---|
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |
| [F-ID-CLASS] (fixed) | nmtoken | XFILE | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <code><TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF></code> can only link to an object which is classified as "TEAM-MEMBER" e. g: <code><TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER></code> . |

2.195 XREF

Description

Use `<XREF>` , to generate cross-references within the document.

Formal Description

Context: [CHANGE](#), [DESC](#), [INDENT-SAMPLE](#), [ITEM-LABEL](#), [MAIN-TITLE](#), [MSR-QUERY-ARG](#), [MSR-QUERY-RESULT-TEXT](#), [OVERALL-TITLE](#), [P](#), [REASON](#), [SUB-TITLE](#), [VERBATIM](#)

Is context for: Text

`XREF~`—#PCDATA

XREF.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|---|-----------------|--|--|
| [ID-CLASS] (required) | nmtoken | | ID-CLASS. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <code><XREF IDREF="ID1" ID-CLASS="TEAM-MEMBER">...</XREF></code> can only link to an object which is classified as "TEAM-MEMBER" e.g: <code><TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER></code> . |
| [SHOW-CONTENT] (default) | namedtokengroup | <ul style="list-style-type: none"> SHOW-CONTENT NO-SHOW-CONTENT | CONTENT determines whether the contents of an element should be output |
| [SHOW-RESOURCE-LONG-NAME] (default) | namedtokengroup | <ul style="list-style-type: none"> SHOW-LONG-NAME NO-SHOW-LONG-NAME | Select SHOW-LONG-NAME to display the paragraph label of the reference target. |
| [SHOW-RESOURCE-NUMBER] (default) | namedtokengroup | <ul style="list-style-type: none"> SHOW-NUMBER NO-SHOW-NUMBER | Select SHOW-NUMBER to display the paragraph number of the reference target. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|--|-----------------|---|---|
| [SHOW-RESOURCE-PAGE] (default) | namedtokengroup | <ul style="list-style-type: none"> • SHOW-PAGE • NO-SHOW-PAGE | Select SHOW-LONG-NAME to display the page number of the reference target. |
| [SHOW-RESOURCE-SHORT-NAME] (default) | namedtokengroup | <ul style="list-style-type: none"> • SHOW-SHORT-NAME • NO-SHOW-SHORT-NAME | Select SHOW-LONG-NAME to display the abbreviation of the reference target. |
| [SHOW-RESOURCE-TYPE] (default) | namedtokengroup | <ul style="list-style-type: none"> • SHOW-TYPE • NO-SHOW-TYPE | Select SHOW-TYPE to display the paragraph type of the reference target. |
| [SHOW-SEE] (default) | namedtokengroup | <ul style="list-style-type: none"> • SHOW-SEE • NO-SHOW-SEE | Determines whether the fixed text "see" should be output. |
| [EXT-ID-CLASS] (implied) | cdata | | External ID Class. The value of this attribute classifies links and external link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <code><TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF></code> can only link to an external object which is classified as "TEAM-MEMBER" e.g: <code><TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER></code> . |
| [ID-REF] (implied) | idref | | Reference to an element made unambiguous through an ID attribute value within the document. |

| Attribut | Typ | Wertebereich | Anmerkungen |
|-----------------------------|----------|----------------|---|
| [HYNAMES] (fixed) | nmtokens | LINKEND ID-REF | HYNAMES is a mapping functionality defined in ISO 10744 HYTIME (Hypermedia/Time-based Structuring Language). The names of the locator attributes (e.g. ID-REF), used to address the target of a hyperlink, can be mapped to names defined in the HYTIME standard, LINKEND. This enables the use of a generic architectural form processor for link processing and transition. |
| [HYTIME] (fixed) | nmtoken | CLINK | HYTIME is the standard attribute used to define a HYTIME architectural form. This functionality is defined in ISO 10744 HYTIME (Hypermedia/Time-based Structuring Language). It enables the use of a generic architectural form processor for link processing and transition. |

2.196 XREF-TARGET

Description

This element specifies a reference target which can be scattered throughout the text.

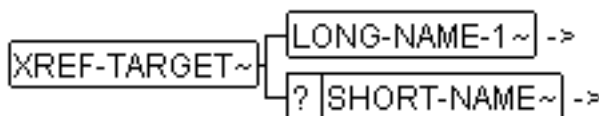
Example

```
<P>Dieses Element spezifiziert ein <XREF-TARGET ID="DC92181212673206"><LONG-NAME-1>Verweisziel</LONG-NAME-1></XREF-TARGET>
welches in den Text eingestreut werden kann. </P>
```

Formal Description

Context: [CHANGE](#), [DESC](#), [INDENT-SAMPLE](#), [ITEM-LABEL](#), [MAIN-TITLE](#),
[MSR-QUERY-RESULT-TEXT](#), [OVERALL-TITLE](#), [P](#), [REASON](#),
[SUB-TITLE](#)

Is context for: [LONG-NAME-1](#), [SHORT-NAME](#)



XREF-TARGET.PNG

| Attribut | Typ | Wertebereich | Anmerkungen |
|--------------------------------|---------|--------------|--|
| [ID] (implied) | id | | Unambiguous identifier of the element within the document. |
| [F-ID-CLASS] (fixed) | nmtoken | XREF-TARGET | Fixed ID Class. The value of this attribute classifies links and link targets. This expresses the semantic constraint that a link can only link to an object of the same class. E.g. a link: <TEAM-MEMBER-REF IDREF="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER-REF> can only link to an object which is classified as "TEAM-MEMBER" e. g: <TEAM-MEMBER ID="ID1" F-ID-CLASS="TEAM-MEMBER">...</TEAM-MEMBER>. |

2.197

ZIP

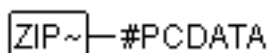
Description

Use <ZIP> , to enter the zip code of the company address, of a project participant.

Formal Description

Context: [TEAM-MEMBER](#)

Is context for: Text



ZIP.PNG



Document Administration

Table : team members

| Name | Company | |
|---------------|-----------|----------------------|
| Herbert Klein | MSR-MEDOC | Department: XI-Works |

Table : version overview

| Version | Date | Publisher | State |
|---------|------------|---------------|-------|
| 1 | 2005-06-25 | Herbert Klein | WD |

Table : modifications

| Version | Change | Related to |
|---------|--|------------|
| 1 | Merge of decriptions from MSRSW V2.3.0 Reason: Inital Version | Content |

Table : modifications included

| Date | Chapter | Change | Related to |
|-------------------|---------|--|------------|
| Nr. 1, 2005-06-25 | Gesamt | Merge of decriptions from MSRSW V2.3.0 Reason: Inital Version | Content |



References

Standards

Designation: [ISO-8601]: Representation of dates and times [4747](#)

External Documents

Designation: ASAM MCD 2 Harmonized Data Objects, Version 1.0-RC2 [112](#)

Designation: Codes for the Representation of Names of Languages [75](#)
URL: <http://www.loc.gov/standards/iso639-2/langcodes.html>

Designation: SRBG [53](#)
URL: <http://www.w3.org/Graphics/Color/sRGB>



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