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MSR Engineering Documentation (MEDOC)

Elements and adttributes of MSRREP.DTD


MSRSYS-EADOC

Signatures:

Companies

MSR Working Group MEDOC

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Configuration Parameters

Company

USED MSR-MEDOC

Language

Given There was no language hand over
USED English

NA Proceed

Given NA Treatment not specified
USED NA Elements will not be printed

Filename


USED msrrep-eadoc.sgm

MetaMorphosis-Version

Version 2.2

Form Version

Version 1.12

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I Company MSR Working Group MEDOC

I.1 General Project Data

To be defined. Reason:




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II Abstract

This is a reference document for *MSRREP DTD* describing all elements and attributes.

MSRREP DTD is part of the MSR development documentation MEDOC.

III How to read this document

The following conventions apply

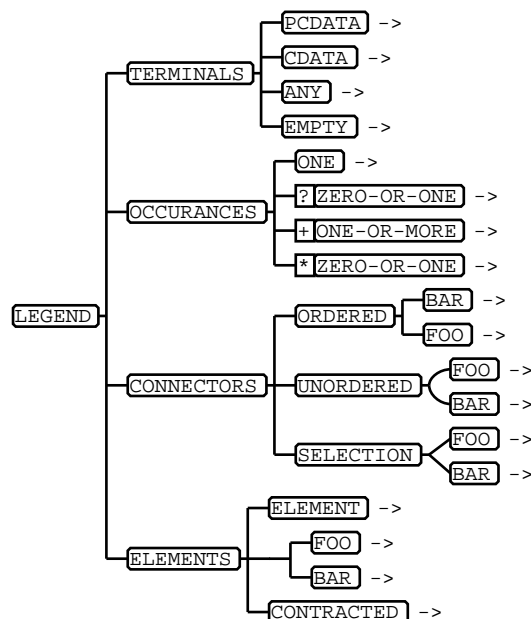
This document is written using *MSRREP DTD*. The following conventions apply to this document:

<msrsw>	SGML elements are noted as technical term [type]=SGMLTAG .
[type]	SGML attributes are noted as technical term [type]=SGML-attribute .
sgml-attribute	Values of SGML attributes or discrete values for elements are noted as technical term [type]=code
ASAP2	The considered languages resp. DTDs are marked as technical term [type]=product .
ASAP	The committees are noted as [type]=organization
ECU	Objects in general are marked as technical terms [type]=other . This might be automotive equipments general objects such as variables etc.

Graphical conventions used in DTD diagrams


The structure of DTDs is shown in the MSR document as DTD diagrams (see convention in DTD diagrams (p. 21)).

Figure 1: convention in DTD diagrams



The meaning of the symbols is:

PCDATA	Processable Character Data (PCDATA) Data that consists of zero or more characters of both text and markup. PCDATA is a declared content keyword. PCDATA is used to indicate that all markup delimiters defined in the SGML declaration will be recognized by the parser as markup in the given element rather than data characters.
--------	--

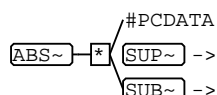
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RCDATA	Replaceable Character Data (RCDATA) is data that consists of zero or more characters, in which references to substitutions are not recognized (i.e. RCDATA may contain text and entity references, but no sub-elements). See also: CDATA PCDATA.
CDATA	Character Data (CDATA) consists of zero or more text characters, where no markup of any kind is recognized. CDATA is an SGML term. Note that character references are allowed in a CDATA entity (substitution) but not in CDATA content.
ANY	a terminal type indicating that the object may contain text or any element defined in the model.
EMPTY	a terminal type keyword used to indicate that there is no data (i.e. no content, sub-elements or end-tags) for the object allowed in the document instance. This keyword is often used to describe elements that are placeholders or are pointers to external or system-generated data.
One	indicates that the element or the element group occurs exactly once
ZERO-OR-ONE	indicates that the element or the element group is optional
ONE-OR-MORE	indicates that the element or the element group occurs multiple times but at least once
ZERO-OR-MORE	indicates that the element or the element group occurs multiple times but also can be missed (optional)
ORDERED	a connector used to specify that the sibling objects must appear in the document in the order shown in the model
UNORDERED	a connector used to specify that the sibling objects can appear in any order in the document.
SELECTION	a connector used to specify that only one of the sibling objects can appear in the document.
ELEMENT	indicates a single SGML structure element
COLLAPSED	indicates, that the content of the element is not displayed here

1 ABS ... ADMIN-DATA

1.1 ABS

Figure 2: DTD-diagram for ABS



Child elements `<sup>` `<sub>`

parent elements `<prm-char>`

Table 1: Attributes for ABS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element defines an absolute value which is adjusted or measured.

Description Absolute value for parameter characteristics. See parameter model (`<sw-prm>`).

Example

```

<prm>
  <long-name>long designation</long-name>
  <short-name>short designation</short-name>
  <prm-char>
    <abs>10</abs>
    <tol>5</tol>
    <unit>°C</unit>
  </prm-char>
</prm>
<prm>
  <long-name>long designation</long-name>
  <short-name>short designation</short-name>
  <prm-char>
    <min>0</min>
    <typ>5</typ>
    <max>0</max>
    <unit>°C</unit>
  </prm-char>
</prm>

```



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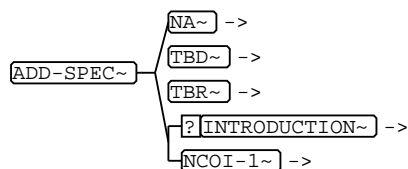
Table 3: Attributes for ACCEPTANCE-COND

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains a description of the acceptance conditions of this project.

1.4 ADD-SPEC

Figure 5: DTD-diagram for ADD-SPEC



Child elements **<na>** **<tbd>** **<tbr>** **<introduction>** **<ncoi-1>**

parent elements **<general-project-data>**

Table 4: Attributes for ADD-SPEC

Name	Type	Class	Value	Remark
[S]	cdata	implied		

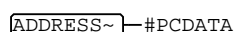
Description This chapter allows the author to define additional specifications.

Description This element allows to give additional specifications for which no explicit structure exists. This element usually enforces another chapter in printed material. In opposite to **<add-info>**, **<add-spec>** is used as a substitute if no structure exists for the topic, while **<add-info>** is used where an existing structure is not appropriate.

Example

1.5 ADDRESS

Figure 6: DTD-diagram for ADDRESS



Child elements none

parent elements <team-member>

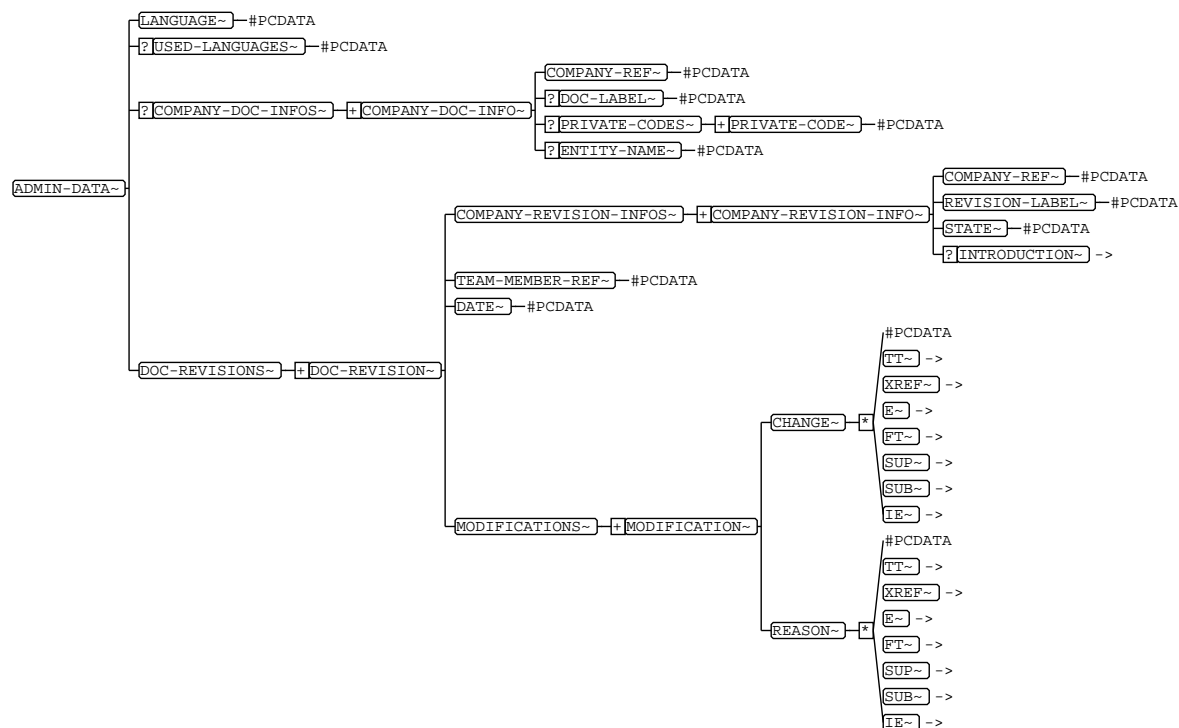
Table 5: Attributes for ADDRESS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of the address of a team member.

1.6 ADMIN-DATA

Figure 7: DTD-diagram for ADMIN-DATA



Child elements <language> <used-languages> <company-doc-infos> <doc-revisions>

parent elements <chapter> <chg-chapter> <general-project-data> <msrrep>


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---	--	---

Table 6: Attributes for ADMIN-DATA

Name	Type	Class	Value	Remark
[F-CHILD-TYPE]	cdata	fixed	language:selection	
[S]	cdata	implied		

Description Definition of the administrative data of this document fragment.

Description This element allows to specify administrative information regarding the substructure defined by the parent. This information may be versioning, fragmentation etc. The information rather covers the administration of the SGML-instance than the administration of the described subjects.

Example

```

<admin-data>
  <language>de</language>
  <doc-revisions>
    <doc-revision>
      <company-revision-infos>
        <company-revision-info>
          <company-ref>msr</company-ref>
          <revision-label>10.4</revision-label>
          <state>wd</state>
        </company-revision-info>
      </company-revision-infos>
      <team-member-ref></team-member-ref>
      <date>1.1.99</date>
      <modifications>
        <modification type="part-related">
          <change>Introduced new Architecture</change>
          <reason>Customer request</reason>
        </modification>
      </modifications>
    </doc-revision>
  </doc-revisions>
</admin-data>

```

2 C-CODE ... CHG-RELATED-OBJECTS

2.1 C-CODE

Figure 8: DTD-diagram for C-CODE

`<C-CODE>` — #PCDATA

Child elements none

parent elements `<formula>`

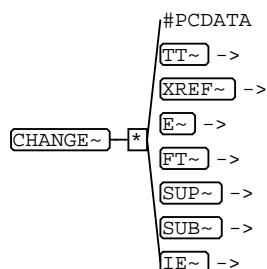
Table 7: Attributes for C-CODE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element is used to specify the code of the formula transferred to the programming language C.

2.2 CHANGE

Figure 9: DTD-diagram for CHANGE



Child elements `<tt>` `<xref>` `<e>` `<ft>` `<sup>` `<sub>` `<ie>`

parent elements `<modification>`


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---	--	---

Table 8: Attributes for CHANGE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Describes the change of a document.

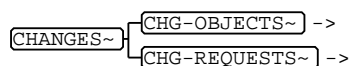
Description More or less detailed description of the performed changes can be given here.

Example

```
<modification>
    <change>element description inserted</change>
    <reason>for better understanding</reason>
</modification>
```

2.3 CHANGES

Figure 10: DTD-diagram for CHANGES



Child elements **<chg-objects>** **<chg-requests>**

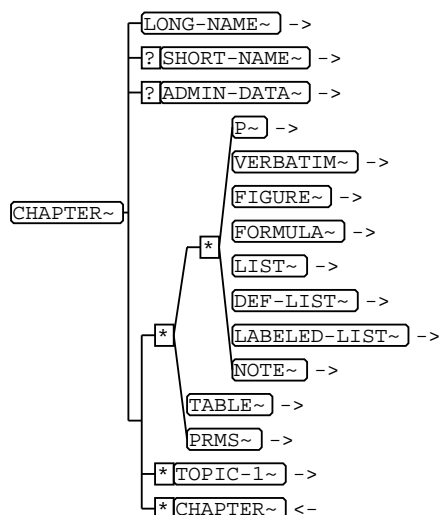
parent elements **<chg-chapter>**

Table 9: Attributes for CHANGES

Name	Type	Class	Value	Remark
[S]	cdata	implied		

2.4 CHAPTER

Figure 11: DTD-diagram for CHAPTER



Child elements `<long-name>` `<short-name>` `<admin-data>` `<p>` `<verbatim>` `<figure>` `<formula>` `<list>` `<def-list>` `<labeled-list>` `<note>` `<table>` `<prms>` `<topic-1>` `<chapter>`

parent elements `<chapter>` `<ncoi-1>` `<report-body>` `<report-head>` `<report-rear>`

Table 10: Attributes for CHAPTER

Name	Type	Class	Value	Remark
[BREAK]	nmtkgrp	implied	BREAK NO-BREAK	
[F-ID-CLASS]	name	fixed	CHAPTER	
[HELP-ENTRY]	cdata	implied		
[ID]	id	required		
[S]	cdata	implied		

Description This element is used to write one or more not content oriented chapters. Sub chapters are possible.

Description `<chapter>` is used to put a presentation structure on prose descriptions. Chapters can be structured hierarchically.

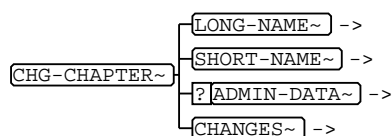
```

Example  <chapter id="ch1" help-entry="chapter">
          <long-name>Chapter1</long-name>
          <short-name></short-name>
          <p>This is the text in the chapter.</p>
          <figure id="fig1" help-entry="synopic diagram"><
            long-name>principal circuit diagram</long-name>
            <short-name>psb</short-name>
            <graphic filename="bild.eps" notation="eps"></graphic>
          </figure>
          <chapter id="ch11">
            <long-name>Chapter 1.1</long-name>
            <short-name></short-name>
            <p></p>
            <p></p>
          </chapter>
        </chapter>

```

2.5 CHG-CHAPTER

Figure 12: DTD-diagram for CHG-CHAPTER



Child elements **<long-name>** **<short-name>** **<admin-data>** **<changes>**

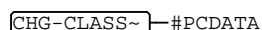
parent elements **<report-body>**


Table 11: Attributes for CHG-CHAPTER

Name	Type	Class	Value	Remark
[F-ID-CLASS]	cdata	fixed	chapter	
[F-NAMESPACE]	names	fixed	CHG-OBJECT CHG-OBJECT-REVISION CHG-REQUEST	
[ID]	id	required		
[S]	cdata	implied		

2.6 CHG-CLASS

Figure 13: DTD-diagram for CHG-CLASS



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---	--	---

Child elements none

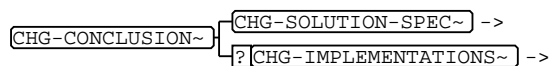
parent elements **<chg-request>**

Table 12: Attributes for CHG-CLASS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

2.7 CHG-CONCLUSION

Figure 14: DTD-diagram for CHG-CONCLUSION



Child elements **<chg-solution-spec>** **<chg-implementations>**

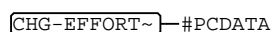
parent elements **<chg-treatment>**

Table 13: Attributes for CHG-CONCLUSION

Name	Type	Class	Value	Remark
[S]	cdata	implied		

2.8 CHG-EFFORT

Figure 15: DTD-diagram for CHG-EFFORT



Child elements none

parent elements **<chg-solution-spec>**


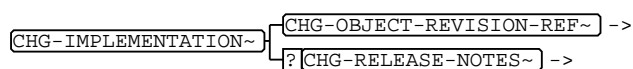
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---	---	---

Table 14: Attributes for CHG-EFFORT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

2.9 CHG-IMPLEMENTATION

Figure 16: DTD-diagram for CHG-IMPLEMENTATION



Child elements **<chg-object-revision-ref>** **<chg-release-notes>**

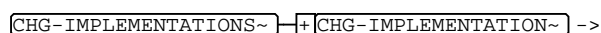
parent elements **<chg-implementations>**

Table 15: Attributes for CHG-IMPLEMENTATION

Name	Type	Class	Value	Remark
[S]	cdata	implied		

2.10 CHG-IMPLEMENTATIONS

Figure 17: DTD-diagram for CHG-IMPLEMENTATIONS



Child elements **<chg-implementation>**

parent elements **<chg-conclusion>**

Table 16: Attributes for CHG-IMPLEMENTATIONS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

2.11 CHG-KEYWORDS


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---	---	---

Figure 18: DTD-diagram for CHG-KEYWORDS

CHG-KEYWORDS~ — #PCDATA

Child elements none

parent elements <chg-request>

Table 17: Attributes for CHG-KEYWORDS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

2.12 CHG-OBJECT

Figure 19: DTD-diagram for CHG-OBJECT

CHG-OBJECT~ —> LONG-NAME~ ->
CHG-OBJECT~ —> SHORT-NAME~ ->
CHG-OBJECT~ —> CHG-OBJECT-REVISIONS~ ->

Child elements <long-name> <short-name> <chg-object-revisions>

parent elements <chg-objects>


Table 18: Attributes for CHG-OBJECT

Name	Type	Class	Value	Remark
[F-ID-CLASS]	cdata	fixed	chg-object	
[F-NAMESPACE]	names	fixed	CHG-OBJECT-REVISION	
[ID]	id	required		
[S]	cdata	implied		

2.13 CHG-OBJECT-REVISION

Figure 20: DTD-diagram for CHG-OBJECT-REVISION

CHG-OBJECT-REVISION~ —> LONG-NAME~ ->
CHG-OBJECT-REVISION~ —> SHORT-NAME~ ->
CHG-OBJECT-REVISION~ —> DATE~ ->

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Child elements <long-name> <short-name> <date>

parent elements <chg-object-revisions>

Table 19: Attributes for CHG-OBJECT-REVISION

Name	Type	Class	Value	Remark
[F-ID-CLASS]	cdata	fixed	chg-object-revision	
[ID]	id	required		
[S]	cdata	implied		

2.14 CHG-OBJECT-REVISION-REF

Figure 21: DTD-diagram for CHG-OBJECT-REVISION-REF

CHG-OBJECT-REVISION-REF~ —#PCDATA

Child elements none

parent elements <chg-implementation> <chg-related-objects>

Table 20: Attributes for CHG-OBJECT-REVISION-REF

Name	Type	Class	Value	Remark
[CHG-OBJECT-REVISION]	idref	required		
[HYNAMES]	names	fixed	LINKEND CHG-OBJECT-REVISION	
[HYTIME]	name	fixed	CLINK	
[S]	cdata	implied		

2.15 CHG-OBJECT-REVISIONS

Figure 22: DTD-diagram for CHG-OBJECT-REVISIONS

CHG-OBJECT-REVISIONS~ + CHG-OBJECT-REVISION~ ->

Child elements <chg-object-revision>

parent elements <chg-object>


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Table 21: Attributes for CHG-OBJECT-REVISIONS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

2.16 CHG-OBJECTS

Figure 23: DTD-diagram for CHG-OBJECTS

CHG-OBJECTS~ —+ CHG-OBJECT~ —>

Child elements <chg-object>

parent elements <changes>

Table 22: Attributes for CHG-OBJECTS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

2.17 CHG-PRIORITY

Figure 24: DTD-diagram for CHG-PRIORITY

CHG-PRIORITY~ —#PCDATA

Child elements none

parent elements <chg-request>


Table 23: Attributes for CHG-PRIORITY

Name	Type	Class	Value	Remark
[S]	cdata	implied		

2.18 CHG-PROPOSED-BY

Figure 25: DTD-diagram for CHG-PROPOSED-BY

CHG-PROPOSED-BY~ —#PCDATA

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---	---	---

Child elements none

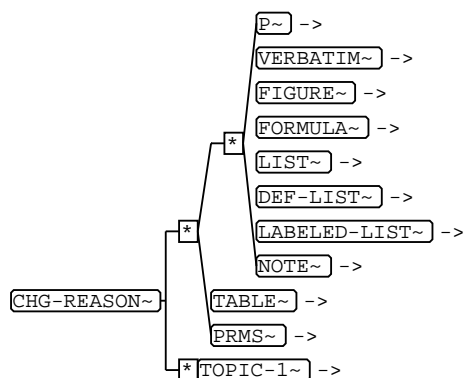
parent elements <chg-request>

Table 24: Attributes for CHG-PROPOSED-BY

Name	Type	Class	Value	Remark
[S]	cdata	implied		

2.19 CHG-REASON

Figure 26: DTD-diagram for CHG-REASON



Child elements <p> <verbatim> <figure> <formula> <list> <def-list> <labeled-list> <note> <table> <prms> <topic-1>

parent elements <chg-request>


Table 25: Attributes for CHG-REASON

Name	Type	Class	Value	Remark
[S]	cdata	implied		

2.20 CHG-RELATED-OBJECTS

Figure 27: DTD-diagram for CHG-RELATED-OBJECTS



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---	--	---

Child elements <**chg-object-revision-ref**>

parent elements <**chg-request**>

Table 26: Attributes for CHG-RELATED-OBJECTS

Name	Type	Class	Value	Remark
[S]	CDATA	IMPLIED		

3 CHG-RELATED-REQUESTS ... COMPANY

3.1 CHG-RELATED-REQUESTS

Figure 28: DTD-diagram for CHG-RELATED-REQUESTS

```

[CHG-RELATED-REQUESTS~] — + [CHG-REQUEST-REF~] ->

```

Child elements <chg-request-ref>

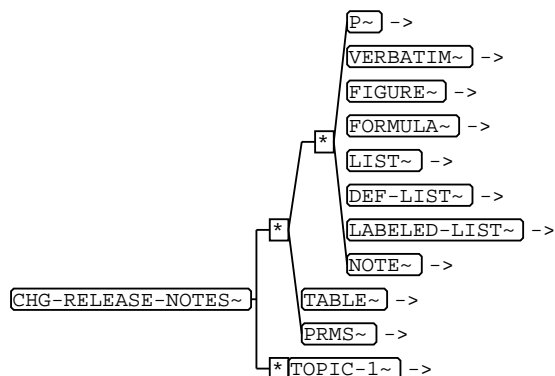
parent elements <chg-treatment>

Table 27: Attributes for CHG-RELATED-REQUESTS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

3.2 CHG-RELEASE-NOTES

Figure 29: DTD-diagram for CHG-RELEASE-NOTES



Child elements <p> <verbatim> <figure> <formula> <list> <def-list> <labeled-list> <note> <table> <prms> <topic-1>

parent elements <chg-implementation>


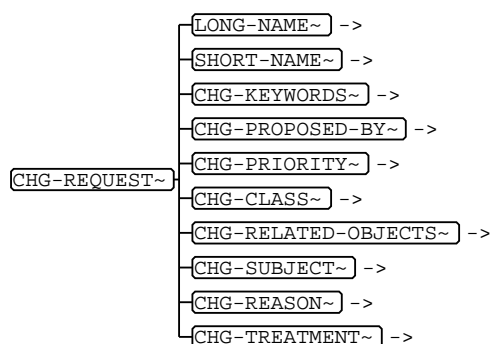
	Document: Elements and attributes of MSRREP.DTD Chapter: CHG-RELATED-REQUESTS ... COMPANY	Page: 40 / 143 Date: 18.02.1999 State: rd
---	--	---

Table 28: Attributes for CHG-RELEASE-NOTES

Name	Type	Class	Value	Remark
[S]	cdata	implied		

3.3 CHG-REQUEST

Figure 30: DTD-diagram for CHG-REQUEST



Child elements `<long-name>` `<short-name>` `<chg-keywords>` `<chg-proposed-by>` `<chg-priority>` `<chg-class>` `<chg-related-objects>` `<chg-subject>` `<chg-reason>` `<chg-treatment>`

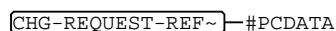
parent elements `<chg-requests>`

Table 29: Attributes for CHG-REQUEST

Name	Type	Class	Value	Remark
[F-ID-CLASS]	cdata	fixed	chg-request	
[ID]	id	required		
[S]	cdata	implied		

3.4 CHG-REQUEST-REF

Figure 31: DTD-diagram for CHG-REQUEST-REF



Child elements none

parent elements `<chg-related-requests>`


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Table 30: Attributes for CHG-REQUEST-REF

Name	Type	Class	Value	Remark
[CHG-REQUEST]	idref	required		
[HYNAMES]	names	fixed	LINKEND CHG-REQUEST	
[HYTIME]	name	fixed	CLINK	
[RELATION]	nmtkgp	required	PREREQUISITE OTHER	
[S]	cdata	implied		

3.5 CHG-REQUESTS

Figure 32: DTD-diagram for CHG-REQUESTS

CHG-REQUESTS~ +CHG-REQUEST~ ->

Child elements <chg-request>

parent elements <changes>

Table 31: Attributes for CHG-REQUESTS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

3.6 CHG-RESPONSIBILITY

Figure 33: DTD-diagram for CHG-RESPONSIBILITY

CHG-RESPONSIBILITY~ { ?DESC~ ->
?CHG-RESPONSIBLE~ ->

Child elements <desc> <chg-responsible>

parent elements <chg-treatment>


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---	--	---

Table 32: Attributes for CHG-RESPONSIBILITY

Name	Type	Class	Value	Remark
[S]	cdata	implied		

3.7 CHG-RESPONSIBLE

Figure 34: DTD-diagram for CHG-RESPONSIBLE

```
CHG-RESPONSIBLE~ -+ [TEAM-MEMBER-REF~] ->
```

Child elements <team-member-ref>

parent elements <chg-responsibility>

Table 33: Attributes for CHG-RESPONSIBLE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

3.8 CHG-SOLUTION

Figure 35: DTD-diagram for CHG-SOLUTION

```
CHG-SOLUTION~
├── CHG-SOLUTION-SPEC~ ->
├── ? CHG-SOLUTION-PRO~ ->
└── ? CHG-SOLUTION-CON~ ->
```

Child elements <chg-solution-spec> <chg-solution-pro> <chg-solution-con>

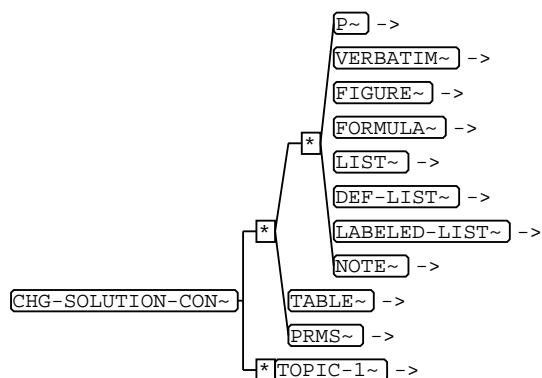
parent elements <chg-solutions>

Table 34: Attributes for CHG-SOLUTION

Name	Type	Class	Value	Remark
[S]	cdata	implied		

3.9 CHG-SOLUTION-CON

Figure 36: DTD-diagram for CHG-SOLUTION-CON



Child elements `<p>` `<verbatim>` `<figure>` `<formula>` `<list>` `<def-list>` `<labeled-list>` `<note>` `<table>` `<prms>` `<topic-1>`

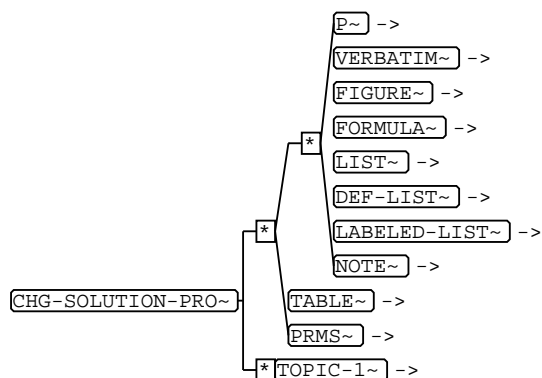
parent elements `<chg-solution>`


Table 35: Attributes for CHG-SOLUTION-CON

Name	Type	Class	Value	Remark
[S]	cdata	implied		

3.10 CHG-SOLUTION-PRO

Figure 37: DTD-diagram for CHG-SOLUTION-PRO



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Child elements `<p>` `<verbatim>` `<figure>` `<formula>` `<list>` `<def-list>` `<labeled-list>` `<note>` `<table>` `<prms>` `<topic-1>`

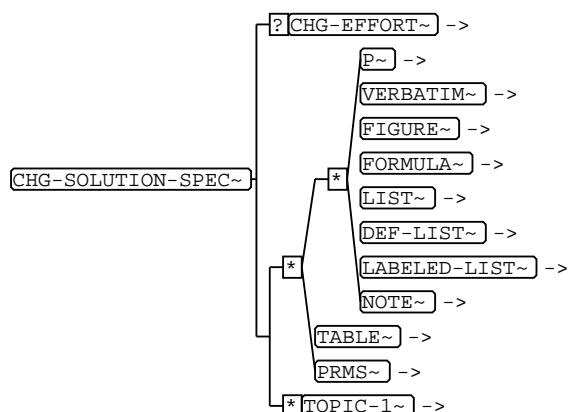
parent elements `<chg-solution>`

Table 36: Attributes for CHG-SOLUTION-PRO

Name	Type	Class	Value	Remark
[S]	cdata	implied		

3.11 CHG-SOLUTION-SPEC

Figure 38: DTD-diagram for CHG-SOLUTION-SPEC



Child elements `<chg-effort>` `<p>` `<verbatim>` `<figure>` `<formula>` `<list>` `<def-list>` `<labeled-list>` `<note>` `<table>` `<prms>` `<topic-1>`

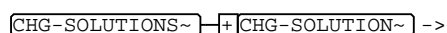
parent elements `<chg-conclusion>` `<chg-solution>`


Table 37: Attributes for CHG-SOLUTION-SPEC

Name	Type	Class	Value	Remark
[S]	cdata	implied		

3.12 CHG-SOLUTIONS

Figure 39: DTD-diagram for CHG-SOLUTIONS



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Child elements <chg-solution>

parent elements <chg-treatment>

Table 38: Attributes for CHG-SOLUTIONS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

3.13 CHG-STATE

Figure 40: DTD-diagram for CHG-STATE

CHG-STATE~ — #PCDATA

Child elements none

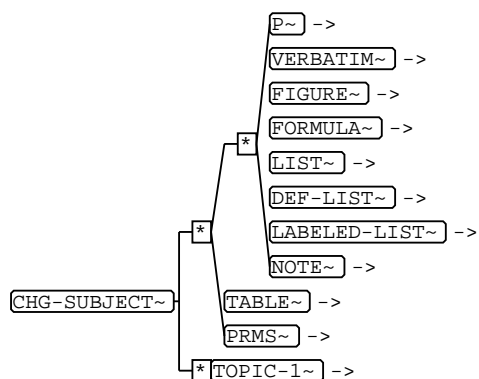
parent elements <chg-treatment>


Table 39: Attributes for CHG-STATE

Name	Type	Class	Value	Remark
[S]	cdata	implied		
[STATE]	nmtkgrp	default	OPEN OPEN PASSED REJECTED IN-PROCESS DONE	

3.14 CHG-SUBJECT

Figure 41: DTD-diagram for CHG-SUBJECT



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---	--	---

Child elements `<p>` `<verbatim>` `<figure>` `<formula>` `<list>` `<def-list>` `<labeled-list>` `<note>` `<table>` `<prms>` `<topic-1>`

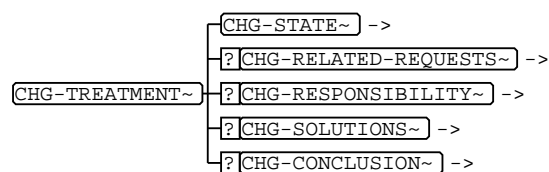
parent elements `<chg-request>`

Table 40: Attributes for CHG-SUBJECT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

3.15 CHG-TREATMENT

Figure 42: DTD-diagram for CHG-TREATMENT



Child elements `<chg-state>` `<chg-related-requests>` `<chg-responsibility>` `<chg-solutions>` `<chg-conclusion>`

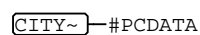
parent elements `<chg-request>`

Table 41: Attributes for CHG-TREATMENT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

3.16 CITY

Figure 43: DTD-diagram for CITY



Child elements none

parent elements `<team-member>`


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---	--	---

Table 42: Attributes for CITY

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of the city of the address.

3.17 CODE

Figure 44: DTD-diagram for CODE

`CODE~`—#PCDATA

Child elements none

parent elements `<variant-char>` `<variant-char-value>` `<variant-def>`

Table 43: Attributes for CODE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains the definition of the code.

Description The definition of variants end up in code names for variants resp. for variant characteristics resp. for values of variant characteristics. `<code>` takes these names. This code may be a number as well as a name.

Example `<code>007</code>`

3.18 COLSPEC

Figure 45: DTD-diagram for COLSPEC

`COLSPEC`—empty

Child elements none

parent elements `<tfoot>` `<tgroup>` `<thead>`


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Table 44: Attributes for COLSPEC

Name	Type	Class	Value	Remark
[ALIGN]	nmtkgrp	implied	LEFT RIGHT CENTER JUSTIFY CHAR	
[CHAR]	cdata	implied		
[CHAROFF]	nutoken	implied		
[COLNAME]	nmtoken	implied		
[COLNUM]	number	implied		
[COLSEP]	number	implied		
[COLWIDTH]	cdata	implied		
[ROWSEP]	number	implied		
[S]	cdata	implied		

Description Specifies a column, a vertical portion of a <entry>. The default values come from the <tgroup>, <thead> or <tfoot> starting the current group. Each <colspec> is for a single column, so it properly has a column number, column, implicitly in order starting from 1, and an optional colname by which it is known when used in any <spanspec> or in <entry>. A <colspec> set on <thead> or <tfoot> should be complete for all columns. It overrides those on the containing <tgroup> and applies to just the <thead> or <tfoot>. If there is no <colspec> used within <thead> or <tfoot>, then the <colspec> of the containing <tgroup> is used. <colspec>s from the containing <tgroup> apply to <tbody>.

3.19 COMPANIES

Figure 46: DTD-diagram for COMPANIES

COMPANIES~+COMPANY~->

Child elements <company>


parent elements <report-head>

Table 45: Attributes for COMPANIES

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definitions of one or more companies.

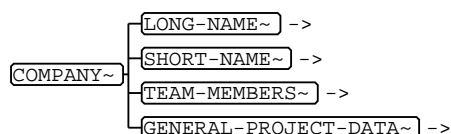
Description Gets information about all companies participating in the project in question.

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---	--	---

Example <companies>
 <company role="supplier" id="bosch"></company>
 <company role="manufacturer" id="vw"></company>
 </companies>

3.20 COMPANY

Figure 47: DTD-diagram for COMPANY



Child elements <long-name> <short-name> <team-members> <general-project-data>

parent elements <companies>


Table 46: Attributes for COMPANY

Name	Type	Class	Value	Remark
[F-CHILD-TYPE]	cdata	fixed	long-name:selection	
[F-ID-CLASS]	name	fixed	COMPANY	
[F-NAMESPACE]	names	fixed	SAMPLE TEAM-MEMBER VARIANT-DEF VARIANT-CHAR	
[ID]	id	required		
[ROLE]	nmtkgrp	required	MANUFACTURER SUPPLIER	
[S]	cdata	implied		

Description Definition of a company with all team members for this project.

Description Company-specific details for a company participating in the project

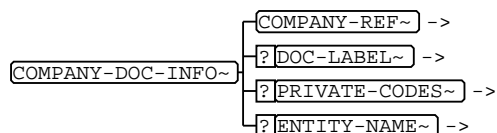
Example <company role="supplier" id="rb">
 <long-name>Robert Bosch GmbH</long-name>
 <short-name>rb</short-name>
 <team-members>
 <team-member id="ge"></team-member>
 </team-members><
 general-project-data></general-project-data>
 </company>

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4 COMPANY-DOC-INFO ... COND

4.1 COMPANY-DOC-INFO

Figure 48: DTD-diagram for COMPANY-DOC-INFO



Child elements `<company-ref>` `<doc-label>` `<private-codes>` `<entity-name>`

parent elements `<company-doc-infos>`

Table 47: Attributes for COMPANY-DOC-INFO

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Company specific document information.

Description This element takes company specific information about a document resp. a subpart of a document.

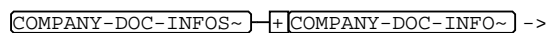
Example

```

<company-doc-info>
  <company-ref company="id0815">msr</company-ref>
  <doc-label>Programmstand</doc-label>
  <private-codes>1.1</private-codes>
  <entity-name>P11.sgm</entity-name>
</company-doc-info>
  
```

4.2 COMPANY-DOC-INFOS

Figure 49: DTD-diagram for COMPANY-DOC-INFOS



Child elements `<company-doc-info>`

parent elements `<admin-data>`


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Table 48: Attributes for COMPANY-DOC-INFOS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Company specific document informations.

Description Company-specific information for administrative data

Example

4.3 COMPANY-REF

Figure 50: DTD-diagram for COMPANY-REF

`COMPANY-REF~` — #PCDATA

Child elements none

parent elements `<company-doc-info>` `<company-revision-info>`

Table 49: Attributes for COMPANY-REF

Name	Type	Class	Value	Remark
[COMPANY]	idref	required		
[HYNAMES]	names	fixed	LINKEND COMPANY	
[HYTIME]	name	fixed	CLINK	
[S]	cdata	implied		

Description Reference to a company (supplier).

Description Reference to a company. The semantic of the reference is given by the context.

Example

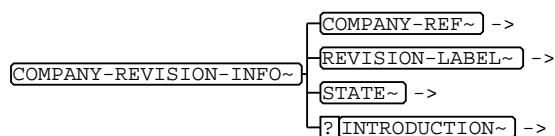
```

<company-revision-info>
  <company-ref company="id0815">msr</company-ref>
  ...
</company-revision-info>

```

4.4 COMPANY-REVISION-INFO

Figure 51: DTD-diagram for COMPANY-REVISION-INFO



Child elements <company-ref> <revision-label> <state> <introduction>
parent elements <company-revision-infos>

Table 50: Attributes for COMPANY-REVISION-INFO

Name	Type	Class	Value	Remark
[F-CHILD-TYPE]	cdata	fixed	state:selection	
[S]	cdata	implied		

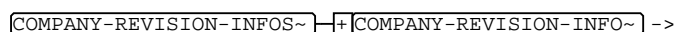
Description Company specific document revision.

Description Company-specific information concerning a certain revision of the document.

Example <company-revision-info>
 <company-ref company="rb">rb</company-ref>
 <revision-label>15.4</revision-label>
 <state>freigegeben</state>
 </company-revision-info>

4.5 COMPANY-REVISION-INFOS

Figure 52: DTD-diagram for COMPANY-REVISION-INFOS



Child elements <company-revision-info>
parent elements <doc-revision>


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Table 51: Attributes for COMPANY-REVISION-INFOS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Company specific document revisions.

Description Collection of all company specific revision information on an entity or a fragment.

Example

4.6 COND

Figure 53: DTD-diagram for COND

COND~+P~ ->

Child elements <p>

parent elements <prm-char>

Table 52: Attributes for COND

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Defines specific conditions under which this parameter characteristic is allowed.


Description Condition for parameters. This condition is given as informal description.

Example

```

<prm>
  <long-name>Temperatur</long-name>
  <short-name>temp</short-name>
  <prm-char>
    <cond><p>valid if x < 20</p></cond>
    <abs>10</abs>
    <tol>5</tol>
    <unit>°C</unit>
  </prm-char>
</prm>

```

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5 DATE ... DOC-REVISIONS

5.1 DATE

Figure 54: DTD-diagram for DATE

DATE~ — #PCDATA

Child elements none

parent elements **<chg-object-revision>** **<doc-revision>** **<schedule>**

Table 53: Attributes for DATE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Specifies a date. The specification of the date is possible in several languages. But this is only possible with the right DTD configuration.

Description Date information according to local rules resp. agreed standards. If the DTD is configured multilingual, the date can be specified in multiple languages.

Example **<date>23.11.1998</date>**
or as an international date
<date>1998-11-23</date>

5.2 DATE-1

Figure 55: DTD-diagram for DATE-1

DATE-1~ — #PCDATA

Child elements none

parent elements **<std>** **<xdoc>**


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Table 54: Attributes for DATE-1

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description With this element it is possible to specify a date in only one language.

Description Date information according to local rules resp. agreed standards. Even if the DTD is configured multilingual, the date **can not** be specified in multiple languages.

5.3 DEF

Figure 56: DTD-diagram for DEF

DEF~ —+ P~ ->

Child elements <p>

parent elements <def-item>

Table 55: Attributes for DEF

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This is a element of a definition list

5.4 DEF-ITEM

Figure 57: DTD-diagram for DEF-ITEM

DEF-ITEM~ — { LONG-NAME~ — ? SHORT-NAME~ — DEF~ — } ->

Child elements <long-name> <short-name> <def>

parent elements <def-list>


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Table 56: Attributes for DEF-ITEM

Name	Type	Class	Value	Remark
[F-ID-CLASS]	name	fixed	DEF-ITEM	
[HELP-ENTRY]	cdata	implied		
[ID]	id	required		
[S]	cdata	implied		

Description This element is used to specify a definition within a definition list.

5.5 DEF-LIST

Figure 58: DTD-diagram for DEF-LIST

DEF-LIST~+DEF-ITEM~ ->

Child elements <def-item>

parent elements <abstract> <chapter> <chg-reason> <chg-release-notes> <chg-solution-con> <chg-solution-pro> <chg-solution-spec> <chg-subject> <entry> <introduction> <item> <labeled-item> <ncoi-1> <remark> <topic-1> <topic-2>

Table 57: Attributes for DEF-LIST

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element allows the user to define a list, consisting of several definitions.

5.6 DEMARCATION-OTHER-PROJECTS

Figure 59: DTD-diagram for DEMARCATION-OTHER-PROJECTS

DEMARCATION-OTHER-PROJECTS~

- NA~ ->
- TBD~ ->
- TBR~ ->
- ?INTRODUCTION~ ->
- NCOI-1~ ->

Child elements <na> <tbd> <tbr> <introduction> <ncoi-1>

parent elements <general-project-data>


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---	---	---

Table 58: Attributes for DEMARCATION-OTHER-PROJECTS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Specifies the demarcation and differences to other projects.

Description Informal description of relationship to similar projects.

5.7 DEPARTMENT

Figure 60: DTD-diagram for DEPARTMENT

DEPARTMENT~ — #PCDATA

Child elements none

parent elements <team-member>

Table 59: Attributes for DEPARTMENT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains the name of the department.

Description Department of the <team-member>


5.8 DESC

Figure 61: DTD-diagram for DESC

```

DESC~ — *
  |
  | #PCDATA
  |
  | TT~ ->
  | XREF~ ->
  | E~ ->
  | FT~ ->
  | SUP~ ->
  | SUB~ ->
  | IE~ ->

```

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Child elements `<tt>` `<xref>` `<e>` `<ft>` `<sup>` `<sub>` `<ie>`

parent elements `<chg-responsibility>` `<figure>` `<prm>` `<tbd>`

Table 60: Attributes for DESC

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Short text description of the object.

Description Informal, concise description of the subject in question. This is usually one or two sentences.

Example

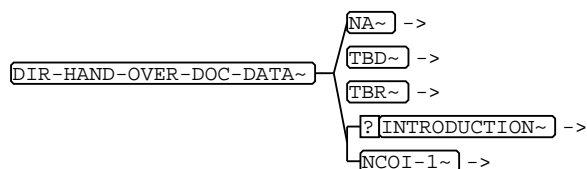
```

<sw-variable calibration="no-calibration" f-id-class="sw-variable" f-namespace="variable">
  <long-name>engine temperature</long-name>
  <short-name>tmot</short-name>
  <desc>The engine temeptrature is stored in this variable</desc>
  ...
</sw-variable>

```

5.9 DIR-HAND-OVER-DOC-DATA

Figure 62: DTD-diagram for DIR-HAND-OVER-DOC-DATA




Child elements `<na>` `<tbd>` `<tbr>` `<introduction>` `<ncoi-1>`

parent elements `<general-project-data>`

Table 61: Attributes for DIR-HAND-OVER-DOC-DATA

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Directory of all documents which are handed over to the project partners.

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5.10 DOC-LABEL

Figure 63: DTD-diagram for DOC-LABEL

`DOC-LABEL~` — #PCDATA

Child elements none

parent elements `<company-doc-info>`

Table 62: Attributes for DOC-LABEL

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Name of the document

Description This is the label of the document, serving as a company specific title or name of the document.

Example

5.11 DOC-REVISION

Figure 64: DTD-diagram for DOC-REVISION



Child elements `<company-revision-infos>` `<team-member-ref>` `<date>` `<modifications>`

parent elements `<doc-revisions>`


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Table 63: Attributes for DOC-REVISION

Name	Type	Class	Value	Remark
[F-CHILD-TYPE]	cdata	fixed	date:date	
[S]	cdata	implied		

Description This element describes a document revision.

Description This element gets all information of the document revision in question.

Example

5.12 DOC-REVISIONS

Figure 65: DTD-diagram for DOC-REVISIONS

DOC-REVISIONS~ — + DOC-REVISION~ ->

Child elements <doc-revision>


parent elements <admin-data>

Table 64: Attributes for DOC-REVISIONS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element describes the document revisions.

Description This is the collection of all known revisions of the document thus establishing the revision history. It is highly recommended that the most actual revision is on top.

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6 E ... ENTRY

6.1 E

Figure 66: DTD-diagram for E

E~—#PCDATA

Child elements none

parent elements <**change**> <**desc**> <**indent-sample**> <**item-label**> <**main-title**> <**overall-title**> <**p**> <**reason**> <**sub-title**> <**tbr**>

Table 65: Attributes for E

Name	Type	Class	Value	Remark
[S]	cdata	implied		
[TYPE]	nmtkgrp	default	BOLD BOLD ITALIC	

Description Identifies the scope of emphasized information.

6.2 EMAIL

Figure 67: DTD-diagram for EMAIL

EMAIL~—#PCDATA

Child elements none

parent elements <**team-member**>

Table 66: Attributes for EMAIL

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of the email-address.

6.3 ENTITY-NAME


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---	--	---

Figure 68: DTD-diagram for ENTITY-NAME

ENTITY-NAME~ — #PCDATA

Child elements none

parent elements <company-doc-info>

Table 67: Attributes for ENTITY-NAME

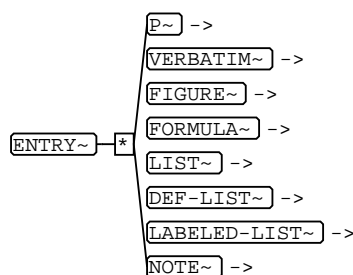
Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Filename of the document fragment.

Description Filename of the document fragment (if there is one). This is used to divide a document in multiple entities. *SGML tools* do not reflect this (physical) fragmentation on a logical level. Therefore, it must be entered manually here.

6.4 ENTRY

Figure 69: DTD-diagram for ENTRY



Child elements <p> <verbatim> <figure> <formula> <list> <def-list> <labeled-list> <note>

parent elements <row>



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Table 68: Attributes for ENTRY

Name	Type	Class	Value	Remark
[ALIGN]	nmtkgrp	implied	LEFT RIGHT CENTER JUSTIFY CHAR	
[CHAR]	cdata	implied		
[CHAROFF]	nutoken	implied		
[COLNAME]	nmtoken	implied		
[COLSEP]	number	implied		
[MOREROWS]	number	default	0	
[NAMEEND]	nmtoken	implied		
[NAMEST]	nmtoken	implied		
[ROTATE]	number	default	0	
[ROWSEP]	number	implied		
[S]	cdata	implied		
[SPANNAME]	nmtoken	implied		
[VALIGN]	nmtkgrp	default	TOP TOP BOTTOM MIDDLE	

Description Identifies an entry in a table. Default values come from the <table>, <tgroup>, <colspec>, <spanspec>, <thead>, <tbody> or <row>; attributes. An entry not specified by a <spanspec> get the defaults from its starting column.

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7 FAX ... FT

7.1 FAX

Figure 70: DTD-diagram for FAX

`[FAX~] — #PCDATA`

Child elements none

parent elements `<team-member>`

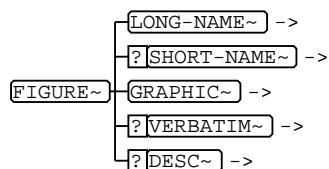
Table 69: Attributes for FAX

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Contains the fax number of an address.

7.2 FIGURE

Figure 71: DTD-diagram for FIGURE



Child elements `<long-name>` `<short-name>` `<graphic>` `<verbatim>` `<desc>`

parent elements `<abstract>` `<chapter>` `<chg-reason>` `<chg-release-notes>` `<chg-solution-con>` `<chg-solution-pro>` `<chg-solution-spec>` `<chg-subject>` `<entry>` `<introduction>` `<item>` `<labeled-item>` `<ncoi-1>` `<remark>` `<topic-1>` `<topic-2>`


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Table 70: Attributes for FIGURE

Name	Type	Class	Value	Remark
[F-ID-CLASS]	name	fixed	FIGURE	
[FLOAT]	nmtkgp	implied	FLOAT NO-FLOAT	
[HELP-ENTRY]	cdata	implied		
[ID]	id	required		
[S]	cdata	implied		

Description Identifies a figure in the document.

Description Graphics can be linked using this element.

Example

7.3 FILE

Figure 72: DTD-diagram for FILE

FILE~ — #PCDATA

Child elements none


parent elements **<std>** **<xdoc>** **<xfile>**

Table 71: Attributes for FILE

Name	Type	Class	Value	Remark
[FILENAME]	cdata	required		
[NOTATION]	cdata	required		
[S]	cdata	implied		
[TOOL]	cdata	required		
[TOOL-VERSION]	cdata	required		

Description Definition of a filename (complete path).

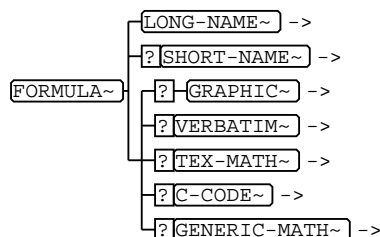
Description Information on a file name for referencing an external file (e.g. a standard). With respect to the limited capabilities of SGML's entity and notation mechanism this is not used here.

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Example `<file filename="agr.eps" notation="eps" tool="ascet" tool-version="sd"></file>`

7.4 FORMULA

Figure 73: DTD-diagram for FORMULA



Child elements `<long-name>` `<short-name>` `<graphic>` `<verbatim>` `<tex-math>` `<c-code>` `<generic-math>`

parent elements `<abstract>` `<chapter>` `<chg-reason>` `<chg-release-notes>` `<chg-solution-con>` `<chg-solution-pro>` `<chg-solution-spec>` `<chg-subject>` `<entry>` `<introduction>` `<item>` `<labeled-item>` `<ncoi-1>` `<remark>` `<topic-1>` `<topic-2>`

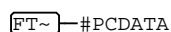
Table 72: Attributes for FORMULA

Name	Type	Class	Value	Remark
[F-ID-CLASS]	name	fixed	FORMULA	
[ID]	id	required		
[S]	cdata	implied		

Description This element is used to specify a formula. Different kinds of specification of the formula are possible.

7.5 FT

Figure 74: DTD-diagram for FT



Child elements none

parent elements `<change>` `<desc>` `<indent-sample>` `<item-label>` `<main-title>` `<overall-title>` `<p>` `<reason>` `<sub-title>` `<tbr>`


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Table 73: Attributes for FT

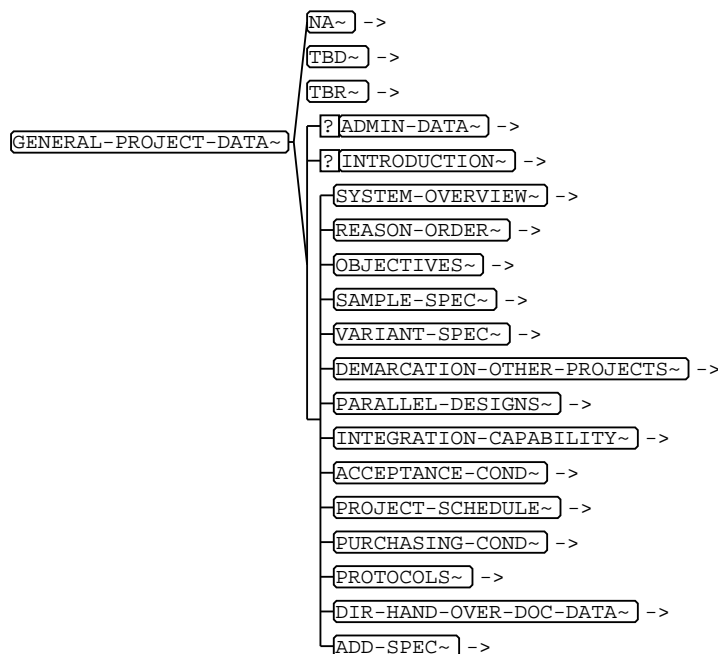
Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Identifies the body of a footnote in the document.

8 GENERAL-PROJECT-DATA ... GRAPHIC

8.1 GENERAL-PROJECT-DATA

Figure 75: DTD-diagram for GENERAL-PROJECT-DATA



Child elements **<na>** **<tbd>** **<tbr>** **<admin-data>** **<introduction>** **<system-overview>** **<reason-order>** **<objectives>** **<sample-spec>** **<variant-spec>** **<demarcation-other-projects>** **<parallel-designs>** **<integration-capability>** **<acceptance-cond>** **<project-schedule>** **<purchasing-cond>** **<protocols>** **<dir-hand-over-doc-data>** **<add-spec>**


parent elements **<company>**

Table 74: Attributes for GENERAL-PROJECT-DATA

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Specification of all general project data.

Description General project data.

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Example

8.2 GENERIC-MATH

Figure 76: DTD-diagram for GENERIC-MATH

`GENERIC-MATH~` — #PCDATA

Child elements none

parent elements `<formula>`

Table 75: Attributes for GENERIC-MATH

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element is used to describe formula for which no format (e.g. c-Code, TeX) is specified.

Description This element is intended for the definition of semantic math description which can be processed by math processors. Actually there is no recommendation for the language of the formula specification or usage of a special rendering system.

Example

8.3 GRAPHIC

Figure 77: DTD-diagram for GRAPHIC

`GRAPHIC~` — #PCDATA

Child elements none

parent elements `<figure>` `<formula>`


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Table 76: Attributes for GRAPHIC

Name	Type	Class	Value	Remark
[CATEGORY]	nmtkgrp	implied	BARCODE CONCEPTUAL ENGINEERING FLOWCHART GRAPH LOGO SCHEMATIC WAVEFORM	
[FILENAME]	cdata	required		
[FIT]	number	default	0	
[HEIGHT]	cdata	implied		
[NOTATION]	cdata	required		
[S]	cdata	implied		
[SCALE]	cdata	implied		
[WIDTH]	cdata	implied		

Description Identifies a graphic. A graphic is stored in difference formats (notation attribute) and is used as an illustration in the document.

Description The treatment of the graphic is determined by the attributes of **<graphic>**:

Do not enter annotating text to **<long-name>**in**<figure>** or **<table>**(like *Figure 1: ...*). This embellishment is the task of the processing system, not of the author. If the author adds these things, they will be there twice since the *rendition system* will add it again.

[category] Denotes the category of the graphic. This information can be used to generate more specific list of figures

[filename] Denotes the system filename where the *rendition system* can find the graphic. This is not necessarily the final format. It is up to the *rendition system* to locate the graphic in the company specific environment, to change the file extension to get the appropriate graphic representation. The type of this attribute can be turned from SDATA toENTITY in the DTD file in order to allow *SGML tools* access to the file using its *entity manager*. In this case, the entity name should be chosen in the style of a filename (e.g. crpctmt.wmf)¹.


[fit] 0 figure is placed in original size. If it does not fit on the page or the available space, it is scaled down.

1 the figure is scaled up or down to fit the page as possible. This value will be ignored if **[width]** or **[height]** is specified in addition.

2 the figure is rotated counterclockwise by 90° if it is landscape and is wider than the actual text area. It is scaled down to the page size if it does not fit otherwise. This value will be ignored if **[width]** or **[height]** is specified in addition.

3 the figure is always rotated counterclockwise by 90°. If it does not fit on the page it will be

1. This is the way how this document is prepared. It is visible in the sgml source.

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scaled down. If **[width]** or **[height]** is specified in addition, the figure will be rotated and then scaled to the specified values.

- 4 the figure is always rotated counterclockwise by 90° and scaled up or down for best fit on the page. This value will be ignored if **[width]** or **[height]** is specified in addition.

[height] If this attribute has a value, the figure will be scaled to the defined height which is a real value with dimensions (e.g. "10cm", "150mm", "12.5in"). If also **[width]** is specified the figure will be distorted. This value always specifies the width of the "figure box" on the page after possible scaling/rotating.

[notation] This attribute specifies the format of the graphic file if used by an *SGML Application* supporting notations.


[scale] If this attribute receives a value, the figure will be scaled by the given factor which must be a signed real number. Numbers greater 1 increase the size of the figure, values less than 1 make the figure smaller. For example with scale="0.5" the a figure of the size 10x10 cm will appear as 5x5cm.

[width] If this attribute has a value, the figure will be scaled to the defined width which is a real value with dimensions (e.g. "10cm", "150mm", "12.5in"). If also **[height]** is specified the figure will be distorted. This value always specifies the width of the "figure box" on the page after possible scaling/rotating.

The scaling attribute precedence is:

- **[scale]** has precedence over all
- **[fit]** has precedence over **[width]** and/or **[height]**

Example `<graphic filename="ggub.eps" notation="eps"></graphic>`

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9 HOMEPAGE ... HOMEPAGE

9.1 HOMEPAGE

Figure 78: DTD-diagram for HOMEPAGE

HOMEPAGE~ — #PCDATA

Child elements none

parent elements <**team-member**>

Table 77: Attributes for HOMEPAGE

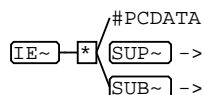
Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Homepage of a team member.

10 IE ... ITEM-LABEL

10.1 IE

Figure 79: DTD-diagram for IE



Child elements `<sup>` `<sub>`

parent elements `<change>` `<desc>` `<indent-sample>` `<item-label>` `<long-name>` `<long-name-1>` `<main-title>` `<overall-title>` `<p>` `<reason>` `<sub-title>` `<tbr>`

Table 78: Attributes for IE

Name	Type	Class	Value	Remark
[S]	cdata	implied		
[TYPE]	cdata	implied		

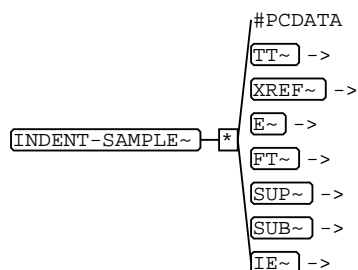
Description Identifies text of an item to be extracted for the index.

Description This is an index entry. The contents only appears in the index, not at the location where it is defined. This allows to define slightly different wording for the index than in the text itself.

Example `<p>This is an example of an <ie>index element</ie>index entry`

10.2 INDENT-SAMPLE

Figure 80: DTD-diagram for INDENT-SAMPLE



Child elements `<tt>` `<xref>` `<e>` `<ft>` `<sup>` `<sub>` `<ie>`

parent elements `<labeled-list>`


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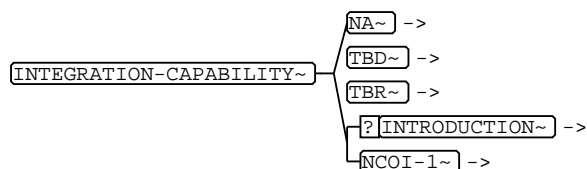
Table 79: Attributes for INDENT-SAMPLE

Name	Type	Class	Value	Remark
[ITEM-LABEL-POS]	nmtkgpr	default	NO-NEWLINE NO-NEWLINE NEWLINE NEWLINE-IF-NECESSARY	
[S]	cdata	implied		

Description The width of the content of this element specifies the width of the indentation.

10.3 INTEGRATION-CAPABILITY

Figure 81: DTD-diagram for INTEGRATION-CAPABILITY



Child elements `<na>` `<tbd>` `<tbr>` `<introduction>` `<ncoi-1>`

parent elements `<general-project-data>`

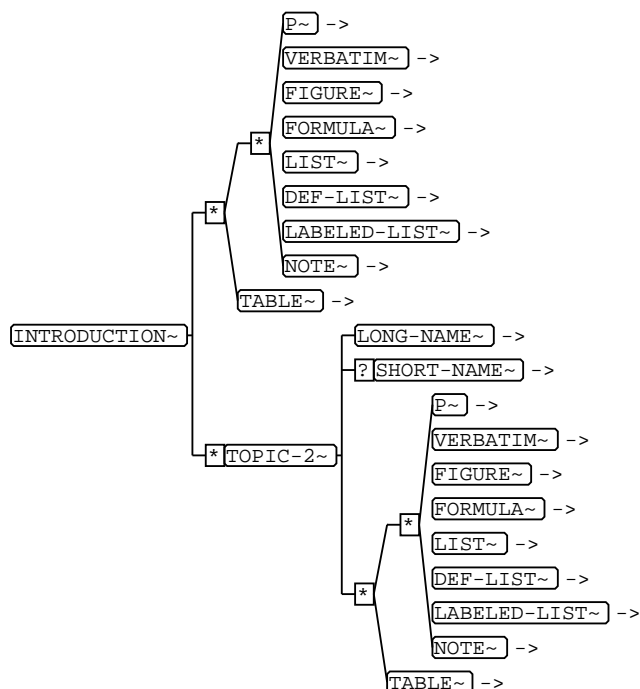
Table 80: Attributes for INTEGRATION-CAPABILITY

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains all information about the integration capability of this project.

10.4 INTRODUCTION

Figure 82: DTD-diagram for INTRODUCTION



Child elements `<p>` `<verbatim>` `<figure>` `<formula>` `<list>` `<def-list>` `<labeled-list>` `<note>` `<table>` `<topic-2>`

parent elements `<acceptance-cond>` `<add-spec>` `<company-revision-info>` `<demarcation-other-projects>` `<dir-hand-over-doc-data>` `<general-project-data>` `<integration-capability>` `<objectives>` `<parallel-designs>` `<project-schedule>` `<protocols>` `<purchasing-cond>` `<reason-order>` `<sample-spec>` `<system-overview>` `<variant-spec>`

Table 81: Attributes for INTRODUCTION

Name	Type	Class	Value	Remark
[S]	cdata	implied		

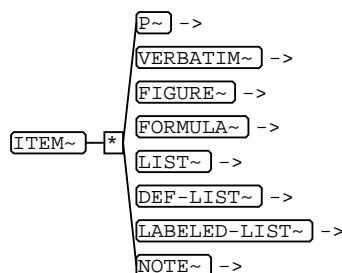
Description This element can be used to create an introduction.

Description This is used to give a short introduction about the subject in question. It exists at the beginning of its parent element. It is not intended to use `<introduction>` for a full fledged description.

Example <introduction>
 <p>This system is used to control the engine.</p>
 </introduction>

10.5 ITEM

Figure 83: DTD-diagram for ITEM



Child elements <p> <verbatim> <figure> <formula> <list> <def-list> <labeled-list> <note>

parent elements <list>

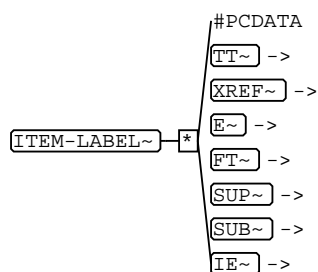
Table 82: Attributes for ITEM

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Identifies an item typically occurring within a list.

10.6 ITEM-LABEL

Figure 84: DTD-diagram for ITEM-LABEL



Child elements <tt> <xref> <e> <ft> <sup> <sub> <ie>

parent elements <labeled-item>


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Table 83: Attributes for ITEM-LABEL

Name	Type	Class	Value	Remark
[S]	CDATA	IMPLIED		

Description This element is used to designate the corresponding entry of the labeled list.

11 LABEL ... LONG-NAME-1

11.1 LABEL

Figure 85: DTD-diagram for LABEL

`[LABEL~] — #PCDATA`

Child elements none

parent elements `<note>` `<prms>`

Table 84: Attributes for LABEL

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contents a short label.

Description Serves as a title (similar to `<long-name>`) for an object that must not, and cannot, be referenced, i.e. possesses no `<short-name>` and no `[id]`.

A `<label>` within `<sw-param-value-block>` is a long designation for the characteristic values of a characteristic values block.

Example

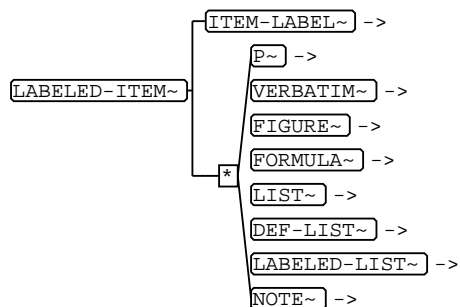
```

<sw-param-value-block>
  <sw-param-axis-values>
    <sw-compu-method-ref sw-compu-method="dez">
      </sw-compu-method-ref>
    <labels>
      <label>sensor rear left</label>
      <label>sensor rear right</label>
      <label>sensor front left</label>
      <label>sensor front right</label>
    </labels>
  </sw-param-axis-values>
  <count>4</count>
</sw-param-value-block>

```

11.2 LABELED-ITEM

Figure 86: DTD-diagram for LABELED-ITEM



Child elements `<item-label>` `<p>` `<verbatim>` `<figure>` `<formula>` `<list>` `<def-list>` `<labeled-list>` `<note>`

parent elements `<labeled-list>`

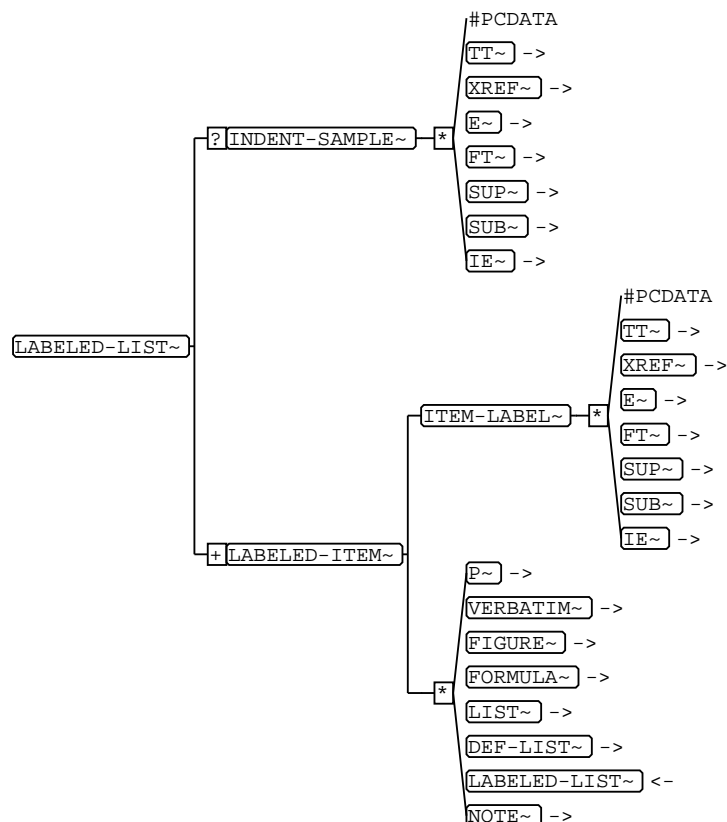
Table 85: Attributes for LABELED-ITEM

Name	Type	Class	Value	Remark
[HELP-ENTRY]	cdata	implied		
[S]	cdata	implied		

Description This element is used to specify an entry within a labeled list.

11.3 LABELED-LIST

Figure 87: DTD-diagram for LABELED-LIST




Child elements <indent-sample> <labeled-item>

parent elements <abstract> <chapter> <chg-reason> <chg-release-notes> <chg-solution-con> <chg-solution-pro> <chg-solution-spec> <chg-subject> <entry> <introduction> <item> <labeled-item> <ncoi-1> <remark> <topic-1> <topic-2>

Table 86: Attributes for LABELED-LIST

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element is used to describe a labeled list.

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11.4 LANGUAGE

Figure 88: DTD-diagram for LANGUAGE

`[LANGUAGE~] — #PCDATA`

Child elements none

parent elements `<admin-data>`

Table 87: Attributes for LANGUAGE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Defines the language of the document (fragment).

Description Identifies the masterlanguage for `<admin-data>`

Example

11.5 LIST

Figure 89: DTD-diagram for LIST


`[LIST~] — + [ITEM~] —>`

Child elements `<item>`

parent elements `<abstract>` `<chapter>` `<chg-reason>` `<chg-release-notes>` `<chg-solution-con>` `<chg-solution-pro>` `<chg-solution-spec>` `<chg-subject>` `<entry>` `<introduction>` `<item>` `<labeled-item>` `<ncoi-1>` `<remark>` `<topic-1>` `<topic-2>`

Table 88: Attributes for LIST

Name	Type	Class	Value	Remark
[S]	cdata	implied		

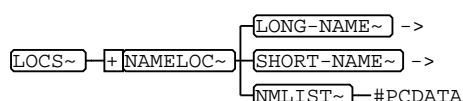
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---	---	---

Name	Type	Class	Value	Remark
[TYPE]	nmtkgrp	required	UNNUMBER NUMBER	

Description Identifies a list which is composed of one or more list items. There are two types of lists, numbered and unnumbered lists. They are classified by the type attribute.

11.6 LOCS

Figure 90: DTD-diagram for LOCS



Child elements <nameloc>

parent elements <msrrep>

Table 89: Attributes for LOCS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

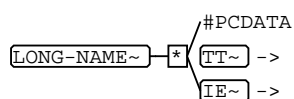
Description This element is used for referencing between multiple documents/instances.

Description This element is used for cross document/entity referencing (HyTime referencing using namelocs)

Example

11.7 LONG-NAME

Figure 91: DTD-diagram for LONG-NAME



Child elements <tt> <ie>

parent elements <chapter> <chg-chapter> <chg-object> <chg-object-revision> <chg-request> <company> <def-item> <figure> <formula> <nameloc> <prm> <sample> <table> <team-member> <topic-1> <topic-2> <variant-char> <variant-def>


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Table 90: Attributes for LONG-NAME

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Defines a long name (label, title). This element exists only in elements with identifier.

Description Long designation, e.g. "Engine temperature".

Example

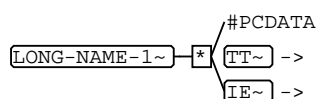
```

<sw-variable id="tmot">
  <long-name>engine temperature</long-name>
  <short-name>tmot</short-name>
  <desc></desc>
  ...
</sw-variable>

```

11.8 LONG-NAME-1

Figure 92: DTD-diagram for LONG-NAME-1



Child elements <tt> <ie>

parent elements <std> <xdoc> <xfile>

Table 91: Attributes for LONG-NAME-1

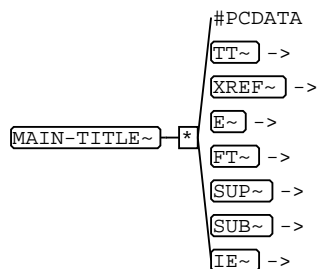
Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Defines a long name..

12 MAIN-TITLE ... MSRREP

12.1 MAIN-TITLE

Figure 93: DTD-diagram for MAIN-TITLE



Child elements `<tt>` `<xref>` `<e>` `<ft>` `<sup>` `<sub>` `<ie>`

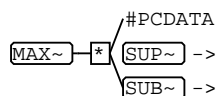
parent elements `<report-subject>`

Table 92: Attributes for MAIN-TITLE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

12.2 MAX

Figure 94: DTD-diagram for MAX



Child elements `<sup>` `<sub>`

parent elements `<prm-char>`


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Table 93: Attributes for MAX

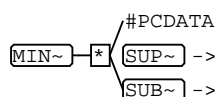
Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element defines the maximum value of a typical range. When you define `<min>` and `<max>` you have to leave `<typ>` empty.

Description Maximum value of a parameter

12.3 MIN

Figure 95: DTD-diagram for MIN



Child elements `<sup>` `<sub>`

parent elements `<prm-char>`

Table 94: Attributes for MIN

Name	Type	Class	Value	Remark
[S]	cdata	implied		

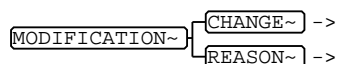
Description Defines the minimum value of a typical range. When you define `<min>` and `<max>` you have to leave `<typ>` empty.

Description Minimum value for prm-char


Example

12.4 MODIFICATION

Figure 96: DTD-diagram for MODIFICATION



Child elements `<change>` `<reason>`

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parent elements <**modifications**>

Table 95: Attributes for MODIFICATION

Name	Type	Class	Value	Remark
[S]	cdata	implied		
[TYPE]	nmtkgrp	required	CONTENT-RELATED DOC-RELATED	

Description Description of a modification (value before and after the changes, position of change).

Description

Example

12.5 MODIFICATIONS

Figure 97: DTD-diagram for MODIFICATIONS

MODIFICATIONS~ — **+MODIFICATION~** ->

Child elements <**modification**>

parent elements <**doc-revision**>

Table 96: Attributes for MODIFICATIONS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains all changes that are made in the document.

Description

Example

12.6 MSRREP


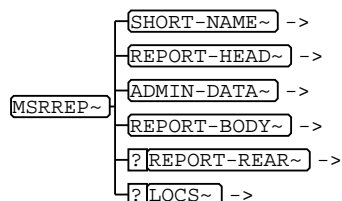
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Figure 98: DTD-diagram for MSRREP




Child elements **<short-name>** **<report-head>** **<admin-data>** **<report-body>** **<report-rear>** **<locs>**

parent elements none

Table 97: Attributes for MSRREP

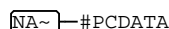
Name	Type	Class	Value	Remark
[F-NAMESPACE]	names	fixed	CHAPTER CHG-OBJECT CHG-OBJECT-REVISION CHG-REQUEST COMPANY DEF-ITEM FIGURE FORMULA PRM SAMPLE STD TABLE TEAM-MEMBER TOPIC VARIANT-CHAR VARIANT-DEF XDOC XFILE	
[F-PUBID]	cdata	fixed	-//MSR//DTD MSR REPORT DTD:V1.1.0:MSRREP.DTD//EN	
[HYTIME]	name	fixed	HYDOC	
[PUBID]	cdata	default	-//MSR//DTD MSR REPORT DTD:V1.1.0:MSRREP.DTD//EN	
[S]	cdata	implied		

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13 NA ... NUMBER

13.1 NA

Figure 99: DTD-diagram for NA

#PCDATA

Child elements none

parent elements **<acceptance-cond>** **<add-spec>** **<demarcation-other-projects>** **<dir-hand-over-doc-data>** **<general-project-data>** **<integration-capability>** **<objectives>** **<parallel-designs>** **<project-schedule>** **<protocols>** **<purchasing-cond>** **<reason-order>** **<sample-spec>** **<system-overview>** **<variant-spec>**

Table 98: Attributes for NA

Name	Type	Class	Value	Remark
[S]	cdata	implied		

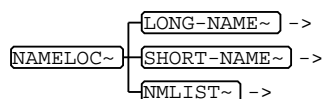
Description Specifies that this information (see parent element) is not applicable for this project . The context of this element describes the reason why the information is not applicable.


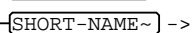
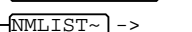
Description This element is used instead of sub-structures if certain statements are not relevant ("not applicable").

Example `<sw-param-contents-spec>`
`<na></na>`
`</sw-param-contents-spec>`

13.2 NAMELOC

Figure 100: DTD-diagram for NAMELOC



- ->
- ->
- ->

Child elements **<long-name>** **<short-name>** **<nmlist>**

parent elements **<locs>**


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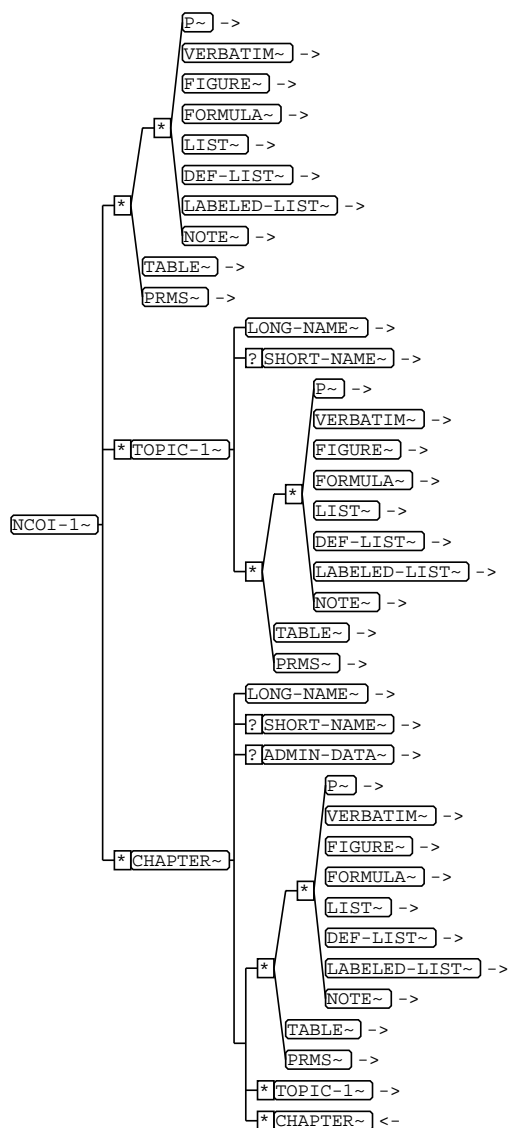
Table 99: Attributes for NAMELOC

Name	Type	Class	Value	Remark
[HYTIME]	name	fixed	NAMELOC	
[ID]	id	required		
[S]	cdata	implied		

Description This element defines links to external documents.

13.3 NCOI-1

Figure 101: DTD-diagram for NCOI-1



Child elements `<p>` `<verbatim>` `<figure>` `<formula>` `<list>` `<def-list>` `<labeled-list>` `<note>` `<table>` `<prms>` `<topic-1>` `<chapter>`

parent elements `<acceptance-cond>` `<add-spec>` `<demarcation-other-projects>` `<dir-hand-over-doc-data>` `<integration-capability>` `<objectives>` `<parallel-designs>` `<project-schedule>` `<protocols>` `<purchasing-cond>` `<reason-order>` `<sample>` `<system-overview>`


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Table 100: Attributes for NCOI-1

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains the following objects to define a 'non content orientend information': topics tables figures paragraphs lists Only use these objects when you can't define all your informations in other elements!

Description This is a general element that contains informal and non-software-specific structures ("none coded information").

Example

13.4 NMLIST

Figure 102: DTD-diagram for NMLIST

NMLIST~ — #PCDATA

Child elements none

parent elements <nameloc>

Table 101: Attributes for NMLIST

Name	Type	Class	Value	Remark
[DOCORSUB]	entity	implied		
[HYTIME]	name	fixed	NMLIST	
[NAMETYPE]	nmtkgrp	default	ELEMENT ENTITY ELEMENT	
[S]	cdata	implied		


Description Definition of a locator element which identifies a external object.

13.5 NOTE

Figure 103: DTD-diagram for NOTE

NOTE~ { **? LABEL~** ->
+ P~ ->

Child elements <label> <p>

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---	---	---

parent elements <abstract> <chapter> <chg-reason> <chg-release-notes> <chg-solution-con> <chg-solution-pro> <chg-solution-spec> <chg-subject> <entry> <introduction> <item> <labeled-item> <ncoi-1> <remark> <topic-1> <topic-2>

Table 102: Attributes for NOTE

Name	Type	Class	Value	Remark
[NOTE-TYPE]	nmtkgrp	required	CAUTION HINT TIP INSTRUCTION EXERCISE OTHER	
[S]	cdata	implied		
[USER-DEFINED-TYPE]	cdata	implied		

Description This element is used to specify an annotation.

13.6 NUMBER

Figure 104: DTD-diagram for NUMBER

NUMBER~ — #PCDATA

Child elements none

parent elements <xdoc>

Table 103: Attributes for NUMBER

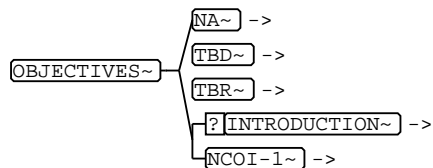
Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of a number.

14 OBJECTIVES ... OVERALL-TITLE

14.1 OBJECTIVES

Figure 105: DTD-diagram for OBJECTIVES



Child elements `<na>` `<tbd>` `<tbr>` `<introduction>` `<ncoi-1>`

parent elements `<general-project-data>`

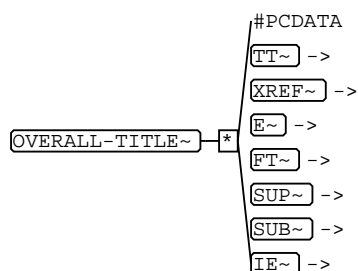
Table 104: Attributes for OBJECTIVES

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description In this element the objectives of the project can be specified.

14.2 OVERALL-TITLE

Figure 106: DTD-diagram for OVERALL-TITLE



Child elements `<tt>` `<xref>` `<e>` `<ft>` `<sup>` `<sub>` `<ie>`

parent elements `<report-subject>`


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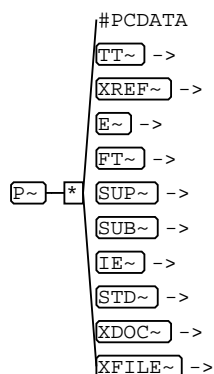
Table 105: Attributes for OVERALL-TITLE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

15 P ... PURCHASING-COND

15.1 P

Figure 107: DTD-diagram for P



Child elements `<tt>` `<xref>` `<e>` `<ft>` `<sup>` `<sub>` `<ie>` `<std>` `<xdoc>` `<xfile>`

parent elements `<abstract>` `<chapter>` `<chg-reason>` `<chg-release-notes>` `<chg-solution-con>` `<chg-solution-pro>` `<chg-solution-spec>` `<chg-subject>` `<cond>` `<def>` `<entry>` `<introduction>` `<item>` `<labeled-item>` `<ncoi-1>` `<note>` `<remark>` `<topic-1>` `<topic-2>`

Table 106: Attributes for P

Name	Type	Class	Value	Remark
[HELP-ENTRY]	cdata	implied		
[S]	cdata	implied		

Description Identifies text within a paragraph.

Description Paragraph. A paragraph can comprise text and the elements tt (technical text), xref (cross reference), e (text attribute like bold), ft (footnote), sup (superscript), sub (subscript), ie (index entry), std (standard), xdoc (external document), xfile (external file) in any arbitrary, though not hierarchical, order.

Example

```
<sw-function-desc>
  <p>This function describes the <ie>exhaust-gas return</ie>. Refer to <std> .
</sw-function-desc>
```

15.2 PARALLEL-DESIGNS


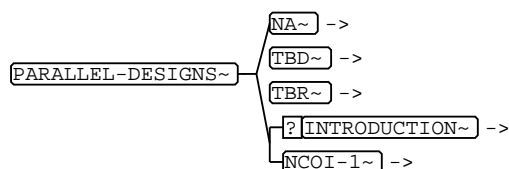
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---	--	---

Figure 108: DTD-diagram for PARALLEL-DESIGNS



Child elements `<na>` `<tbd>` `<tbr>` `<introduction>` `<ncoi-1>`

parent elements `<general-project-data>`

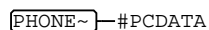
Table 107: Attributes for PARALLEL-DESIGNS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Description of projects with concurrent informations (part type specifications).

15.3 PHONE

Figure 109: DTD-diagram for PHONE



Child elements none

parent elements `<team-member>`

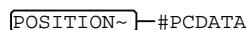
Table 108: Attributes for PHONE


Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of a phone number.

15.4 POSITION

Figure 110: DTD-diagram for POSITION



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Child elements none

parent elements **<std>** **<xdoc>**

Table 109: Attributes for POSITION

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description

15.5 PRIVATE-CODE

Figure 111: DTD-diagram for PRIVATE-CODE

PRIVATE-CODE~ — #PCDATA

Child elements none

parent elements **<private-codes>**

Table 110: Attributes for PRIVATE-CODE

Name	Type	Class	Value	Remark
[S]	cdata	implied		
[TYPE]	cdata	implied		

Description

Example `<private-codes>`
`<private-code TYPE="generated_by_ASCET-SD">$generated_by_ASCET-SD:2.2.0$ </private-code>`
`<private-code TYPE="Implementation xy">Implementation xy</private-code>`
`</private-codes>`

15.6 PRIVATE-CODES

Figure 112: DTD-diagram for PRIVATE-CODES

PRIVATE-CODES~ — + **PRIVATE-CODE~** ->

Child elements **<private-code>**

parent elements **<company-doc-info>**


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Table 111: Attributes for PRIVATE-CODES

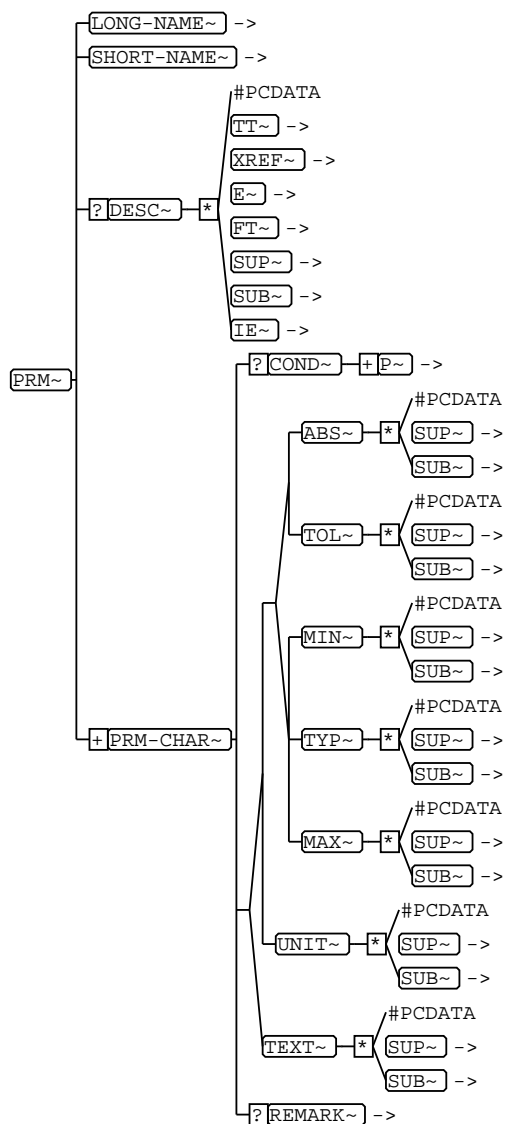
Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description

Example <company-doc-infos>
 <private-codes>
 <private-codes>
 <private-code> TYPE="generated_by_ASCET-SD">\$generated_by_ASCET-SD:2.2.0\$
 code>
 </private-codes>
 </company-doc-infos>

15.7 PRM

Figure 113: DTD-diagram for PRM



Child elements <long-name> <short-name> <desc> <prm-char>

parent elements <prms>

Table 112: Attributes for PRM

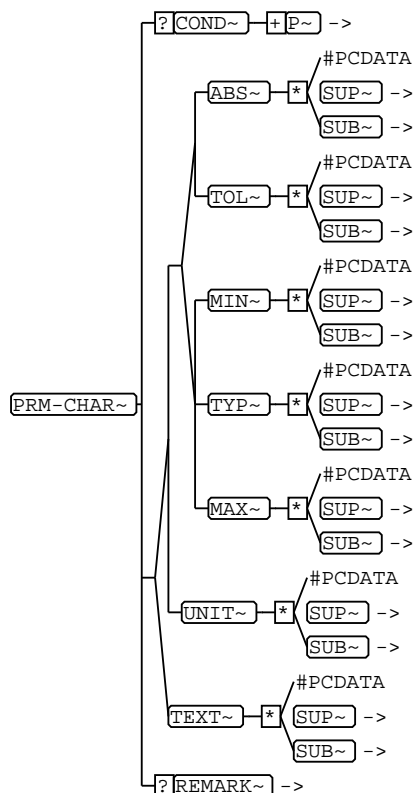
Name	Type	Class	Value	Remark
[F-ID-CLASS]	name	fixed	PRM	
[ID]	id	required		
[S]	cdata	implied		

Description A parameter model has been implemented in MSR. There are 2 possibilities given. A parameter can be specified either by defining **<abs>**,**<tol>** or by defining **<min>**, **<typ>** and **<max>**.

Example

15.8 PRM-CHAR

Figure 114: DTD-diagram for PRM-CHAR



Child elements **<cond>** **<abs>** **<tol>** **<min>** **<typ>** **<max>** **<unit>** **<text>** **<remark>**

parent elements **<prm>**

Table 113: Attributes for PRM-CHAR

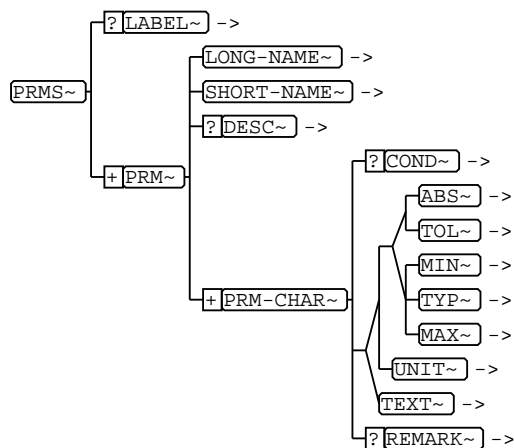
Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Description of the parameter characteristics of a parameter

Example <sw-prm>
 <long-name>long designation</long-name>
 <short-name>short designation</short-name>
 <min>10</min>
 <typ>45</typ>
 <max>90</max>
 <unit>°C</unit>
 </sw-prm>

15.9 PRMS

Figure 115: DTD-diagram for PRMS



Child elements <label> <prm>

parent elements <chapter> <chg-reason> <chg-release-notes> <chg-solution-con> <chg-solution-pro> <chg-solution-spec> <chg-subject> <ncoi-1> <topic-1>


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Table 114: Attributes for PRMS

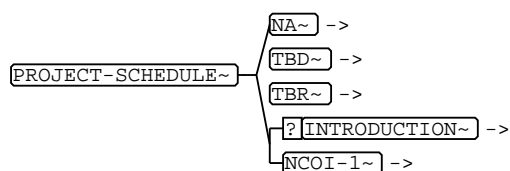
Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description List of parameters

Example

15.10 PROJECT-SCHEDULE

Figure 116: DTD-diagram for PROJECT-SCHEDULE



Child elements **<na>** **<tbd>** **<tbr>** **<introduction>** **<ncoi-1>**

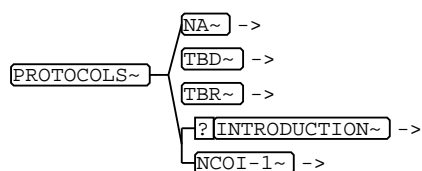
parent elements **<general-project-data>**

Table 115: Attributes for PROJECT-SCHEDULE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

15.11 PROTOCOLS

Figure 117: DTD-diagram for PROTOCOLS



Child elements **<na>** **<tbd>** **<tbr>** **<introduction>** **<ncoi-1>**

parent elements **<general-project-data>**


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Table 116: Attributes for PROTOCOLS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

15.12 PUBLISHER

Figure 118: DTD-diagram for PUBLISHER

PUBLISHER~ — #PCDATA

Child elements none

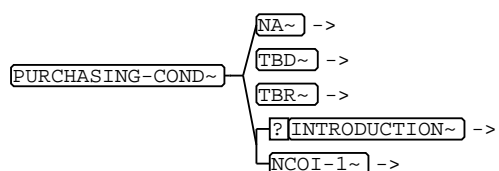
parent elements <xdoc>

Table 117: Attributes for PUBLISHER

Name	Type	Class	Value	Remark
[S]	cdata	implied		

15.13 PURCHASING-COND

Figure 119: DTD-diagram for PURCHASING-COND



Child elements <na> <tbd> <tbr> <introduction> <ncoi-1>

parent elements <general-project-data>


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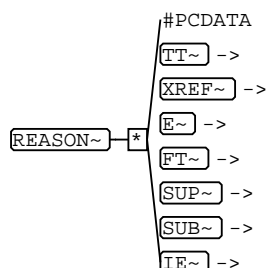
Table 118: Attributes for PURCHASING-COND

Name	Type	Class	Value	Remark
[S]	cdata	implied		

16 REASON ... ROW

16.1 REASON

Figure 120: DTD-diagram for REASON



Child elements `<tt>` `<xref>` `<e>` `<ft>` `<sup>` `<sub>` `<ie>`

parent elements `<modification>`

Table 119: Attributes for REASON

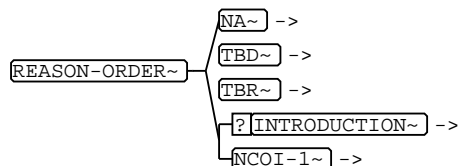
Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description

Example

16.2 REASON-ORDER

Figure 121: DTD-diagram for REASON-ORDER



Child elements `<na>` `<tbd>` `<tbr>` `<introduction>` `<ncoi-1>`

parent elements `<general-project-data>`


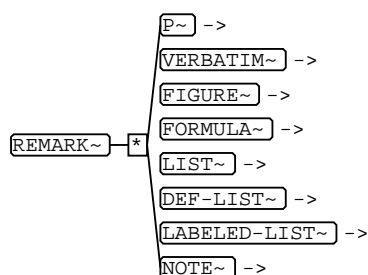
	Document: Elements and adttributes of MSRREP.DTD Chapter: REASON ... ROW	Page: 106 / 143 Date: 18.02.1999 State: rd
---	---	--

Table 120: Attributes for REASON-ORDER

Name	Type	Class	Value	Remark
[S]	cdata	implied		

16.3 REMARK

Figure 122: DTD-diagram for REMARK



Child elements `<p>` `<verbatim>` `<figure>` `<formula>` `<list>` `<def-list>` `<labeled-list>` `<note>`

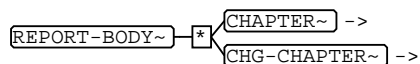
parent elements `<prm-char>`

Table 121: Attributes for REMARK

Name	Type	Class	Value	Remark
[S]	cdata	implied		

16.4 REPORT-BODY

Figure 123: DTD-diagram for REPORT-BODY



Child elements `<chapter>` `<chg-chapter>`

parent elements `<msrrep>`


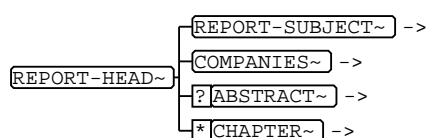
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Table 122: Attributes for REPORT-BODY

Name	Type	Class	Value	Remark
[S]	cdata	implied		

16.5 REPORT-HEAD

Figure 124: DTD-diagram for REPORT-HEAD



Child elements **<report-subject>** **<companies>** **<abstract>** **<chapter>**

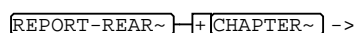
parent elements **<msrrep>**

Table 123: Attributes for REPORT-HEAD

Name	Type	Class	Value	Remark
[S]	cdata	implied		

16.6 REPORT-REAR

Figure 125: DTD-diagram for REPORT-REAR



Child elements **<chapter>**

parent elements **<msrrep>**


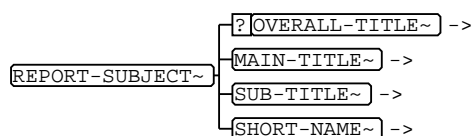
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Table 124: Attributes for REPORT-REAR

Name	Type	Class	Value	Remark
[S]	cdata	implied		

16.7 REPORT-SUBJECT

Figure 126: DTD-diagram for REPORT-SUBJECT



Child elements **<overall-title>** **<main-title>** **<sub-title>** **<short-name>**

parent elements **<report-head>**

Table 125: Attributes for REPORT-SUBJECT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

16.8 REVISION-LABEL

Figure 127: DTD-diagram for REVISION-LABEL



Child elements none

parent elements **<company-revision-info>**


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Table 126: Attributes for REVISION-LABEL

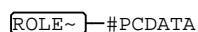
Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Revision

Example <company-revision-info>
 <company-ref></company-ref>
 <revision-label>10.4</revision-label>
 <state></state>
 </company-revision-info>

16.9 ROLE

Figure 128: DTD-diagram for ROLE



Child elements none

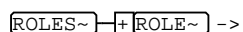
parent elements <roles>

Table 127: Attributes for ROLE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

16.10 ROLES

Figure 129: DTD-diagram for ROLES



Child elements <role>

parent elements <team-member>


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---	--	--

Table 128: Attributes for ROLES

Name	Type	Class	Value	Remark
[F-CHILD-TYPE]	cdata	fixed	role:selection	
[S]	cdata	implied		

16.11 ROW

Figure 130: DTD-diagram for ROW


ROW~ [+] ENTRY~ ->

Child elements <entry>

parent elements <tbody> <tfoot> <thead>

Table 129: Attributes for ROW

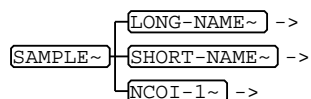
Name	Type	Class	Value	Remark
[ROWSEP]	number	implied		
[S]	cdata	implied		

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17 SAMPLE ... SYSTEM-OVERVIEW

17.1 SAMPLE

Figure 131: DTD-diagram for SAMPLE



Child elements **<long-name>** **<short-name>** **<ncoi-1>**

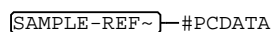
parent elements **<samples>**

Table 130: Attributes for SAMPLE

Name	Type	Class	Value	Remark
[F-CHILD-TYPE]	cdata	fixed	long-name:selection	
[F-ID-CLASS]	name	fixed	SAMPLE	
[ID]	id	required		
[S]	cdata	implied		

17.2 SAMPLE-REF

Figure 132: DTD-diagram for SAMPLE-REF




Child elements none

parent elements **<schedule>**

Table 131: Attributes for SAMPLE-REF

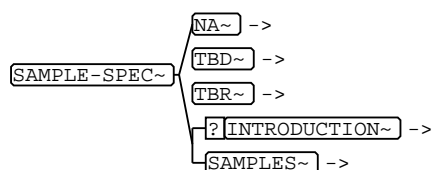
Name	Type	Class	Value	Remark
[HYNAMES]	names	fixed	LINKEND SAMPLE	
[HYTIME]	name	fixed	CLINK	

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Name	Type	Class	Value	Remark
[S]	cdata	implied		
[SAMPLE]	idref	required		

17.3 SAMPLE-SPEC

Figure 133: DTD-diagram for SAMPLE-SPEC



Child elements `<na>` `<tbd>` `<tbr>` `<introduction>` `<samples>`

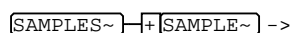
parent elements `<general-project-data>`

Table 132: Attributes for SAMPLE-SPEC

Name	Type	Class	Value	Remark
[S]	cdata	implied		

17.4 SAMPLES

Figure 134: DTD-diagram for SAMPLES



Child elements `<sample>`

parent elements `<sample-spec>`


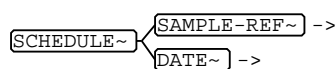
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Table 133: Attributes for SAMPLES

Name	Type	Class	Value	Remark
[S]	cdata	implied		

17.5 SCHEDULE

Figure 135: DTD-diagram for SCHEDULE



Child elements **<sample-ref>** **<date>**

parent elements **<tbd>**

Table 134: Attributes for SCHEDULE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

17.6 SHORT-NAME

Figure 136: DTD-diagram for SHORT-NAME



Child elements none

parent elements **<chapter>** **<chg-chapter>** **<chg-object>** **<chg-object-revision>** **<chg-request>** **<company>** **<def-item>** **<figure>** **<formula>** **<msrrep>** **<nameloc>** **<prm>** **<report-subject>** **<sample>** **<std>** **<table>** **<team-member>** **<topic-1>** **<topic-2>** **<variant-char>** **<variant-def>** **<xdoc>** **<xfile>**


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Table 135: Attributes for SHORT-NAME

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Short designation, e.g. "TMOT". The **<short-name>** has an identifying character, in particular for outside references (e.g. *ASAP*, *ASCET*).

Example

17.7 SPANSPEC

Figure 137: DTD-diagram for SPANSPEC

[SPANSPEC]—empty

Child elements none

parent elements **<tgroup>**

Table 136: Attributes for SPANSPEC


Name	Type	Class	Value	Remark
[ALIGN]	nmtkgrp	default	CENTER LEFT RIGHT CENTER JUSTIFY CHAR	
[CHAR]	cdata	implied		
[CHAROFF]	nutoken	implied		
[COLSEP]	number	implied		
[NAMEEND]	nmtoken	required		
[NAMEST]	nmtoken	required		
[ROWSEP]	number	implied		
[S]	cdata	implied		
[SPANNAME]	nmtoken	required		

17.8 STATE

Figure 138: DTD-diagram for STATE

[STATE~]—#PCDATA

Child elements none

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parent elements <company-revision-info>

Table 137: Attributes for STATE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description

Example

17.9 STATE-1

Figure 139: DTD-diagram for STATE-1

```
STATE-1~ — #PCDATA
```

Child elements none

parent elements <std> <xdoc>

Table 138: Attributes for STATE-1

Name	Type	Class	Value	Remark
[S]	cdata	implied		

17.10 STD

Figure 140: DTD-diagram for STD

```

LONG-NAME-1~ ->
SHORT-NAME~ ->
? SUBTITLE~ ->
STD~ ? STATE-1~ ->
? DATE-1~ ->
? FILE~ ->
POSITION~ ->

```

Child elements <long-name-1> <short-name> <subtitle> <state-1> <date-1> <file> <position>

parent elements <p> <tbr>


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Table 139: Attributes for STD

Name	Type	Class	Value	Remark
[F-CHILD-TYPE]	cdata	fixed	date-1:date	
[F-ID-CLASS]	name	fixed	STD	
[ID]	id	required		
[S]	cdata	implied		

Description

Example <std>
 <long-name-1>ISO/DIS 10303-41 units of measure</long-name-1>
 <short-name>ISO/DIS 10303-41</short-name>
 <subtitle>SI units of measure</subtitle>
 <state-1></state-1>
 <date-1></date-1>
 <file>ISO10303-41.std</file>
 <position>S96ff</position>
 </std>

17.11 SUB

Figure 141: DTD-diagram for SUB

SUB~ — #PCDATA

Child elements none

parent elements <abs> <change> <desc> <ie> <indent-sample> <item-label> <main-title> <max> <min> <overall-title> <p> <reason> <sub-title> <tbr> <text> <tol> <typ> <unit>

Table 140: Attributes for SUB

Name	Type	Class	Value	Remark
[S]	cdata	implied		

17.12 SUB-TITLE


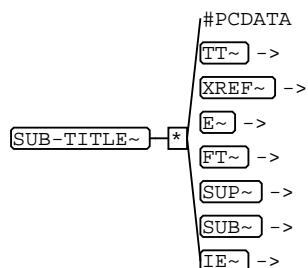
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Figure 142: DTD-diagram for SUB-TITLE



Child elements `<tt>` `<xref>` `<e>` `<ft>` `<sup>` `<sub>` `<ie>`

parent elements `<report-subject>`

Table 141: Attributes for SUB-TITLE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

17.13 SUBTITLE

Figure 143: DTD-diagram for SUBTITLE



Child elements none

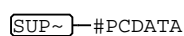
parent elements `<std>`


Table 142: Attributes for SUBTITLE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

17.14 SUP

Figure 144: DTD-diagram for SUP



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Child elements none

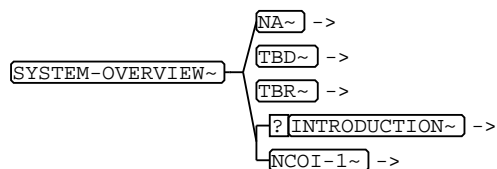
parent elements **<abs>** **<change>** **<desc>** **<ie>** **<indent-sample>** **<item-label>** **<main-title>** **<max>** **<min>** **<overall-title>** **<p>** **<reason>** **<sub-title>** **<tbr>** **<text>** **<tol>** **<typ>** **<unit>**

Table 143: Attributes for SUP

Name	Type	Class	Value	Remark
[S]	cdata	implied		

17.15 SYSTEM-OVERVIEW

Figure 145: DTD-diagram for SYSTEM-OVERVIEW



Child elements **<na>** **<tbd>** **<tbr>** **<introduction>** **<ncoi-1>**

parent elements **<general-project-data>**

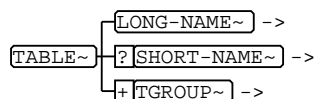
Table 144: Attributes for SYSTEM-OVERVIEW

Name	Type	Class	Value	Remark
[S]	cdata	implied		

18 TABLE ... TYP

18.1 TABLE

Figure 146: DTD-diagram for TABLE



Child elements **<long-name>** **<short-name>** **<tgroup>**

parent elements **<abstract>** **<chapter>** **<chg-reason>** **<chg-release-notes>** **<chg-solution-con>** **<chg-solution-pro>** **<chg-solution-spec>** **<chg-subject>** **<introduction>** **<ncoi-1>** **<topic-1>** **<topic-2>**

Table 145: Attributes for TABLE

Name	Type	Class	Value	Remark
[COLSEP]	number	implied		
[F-ID-CLASS]	name	fixed	TABLE	
[FLOAT]	nmtkgrp	implied	FLOAT NO-FLOAT	
[FRAME]	nmtkgrp	implied	TOP BOTTOM TOPBOT ALL SIDES NONE	
[HELP-ENTRY]	cdata	implied		
[ID]	id	required		
[ORIENT]	nmtkgrp	implied	PORT LAND	
[PGWIDE]	number	implied		
[ROWSEP]	number	implied		
[S]	cdata	implied		
[SHORTENTRY]	number	implied		
[TABSTYLE]	nmtoken	implied		
[TOCENTRY]	number	default	1	

18.2 TBD

Figure 147: DTD-diagram for TBD



Child elements **<team-member-refs>** **<schedule>** **<desc>**

parent elements <acceptance-cond> <add-spec> <demarcation-other-projects> <dir-hand-over-doc-data> <general-project-data> <integration-capability> <objectives> <parallel-designs> <project-schedule> <protocols> <purchasing-cond> <reason-order> <sample-spec> <system-overview> <variant-spec>

Table 146: Attributes for TBD

Name	Type	Class	Value	Remark
[S]	cdata	implied		

18.3 TBODY

Figure 148: DTD-diagram for TBODY

TBODY~ — + ROW~ ->

Child elements <row>

parent elements <tgroup>

Table 147: Attributes for TBODY

Name	Type	Class	Value	Remark
[S]	cdata	implied		
[VALIGN]	nmtkgrp	default	TOP TOP MIDDLE BOTTOM	


18.4 TBR

Figure 149: DTD-diagram for TBR

```

#PCDATA
TT~ ->
XREF~ ->
E~ ->
FT~ ->
TBR~ — * SUP~ ->
SUB~ ->
IE~ ->
STD~ ->
XDOC~ ->
XFILE~ ->

```


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Child elements `<tt>` `<xref>` `<e>` `<ft>` `<sup>` `<sub>` `<ie>` `<std>` `<xdoc>` `<xfile>`

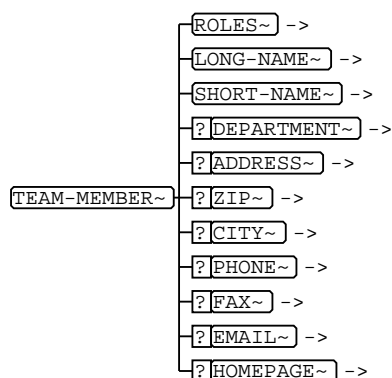
parent elements `<acceptance-cond>` `<add-spec>` `<demarcation-other-projects>` `<dir-hand-over-doc-data>` `<general-project-data>` `<integration-capability>` `<objectives>` `<parallel-designs>` `<project-schedule>` `<protocols>` `<purchasing-cond>` `<reason-order>` `<sample-spec>` `<system-overview>` `<variant-spec>`

Table 148: Attributes for TBR

Name	Type	Class	Value	Remark
[S]	cdata	implied		

18.5 TEAM-MEMBER

Figure 150: DTD-diagram for TEAM-MEMBER



Child elements `<roles>` `<long-name>` `<short-name>` `<department>` `<address>` `<zip>` `<city>` `<phone>` `<fax>` `<email>` `<page>`

parent elements `<team-members>`

Table 149: Attributes for TEAM-MEMBER

Name	Type	Class	Value	Remark
[F-ID-CLASS]	name	fixed	TEAM-MEMBER	
[ID]	id	required		
[S]	cdata	implied		

18.6 TEAM-MEMBER-REF


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Figure 151: DTD-diagram for TEAM-MEMBER-REF

TEAM-MEMBER-REF~ — #PCDATA

Child elements none

parent elements **<chg-responsible>** **<doc-revision>** **<team-member-refs>**

Table 150: Attributes for TEAM-MEMBER-REF

Name	Type	Class	Value	Remark
[HYNAMES]	names	fixed	LINKEND TEAM-MEMBER	
[HYTIME]	name	fixed	CLINK	
[S]	cdata	implied		
[TEAM-MEMBER]	idref	required		

18.7 TEAM-MEMBER-REFS

Figure 152: DTD-diagram for TEAM-MEMBER-REFS

TEAM-MEMBER-REFS~ — **+** **TEAM-MEMBER-REF~** ->

Child elements **<team-member-ref>**

parent elements **<tbd>**

Table 151: Attributes for TEAM-MEMBER-REFS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

18.8 TEAM-MEMBERS

Figure 153: DTD-diagram for TEAM-MEMBERS

TEAM-MEMBERS~ — ***** **TEAM-MEMBER~** ->

Child elements **<team-member>**

parent elements **<company>**


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Table 152: Attributes for TEAM-MEMBERS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

18.9 TEX-MATH

Figure 154: DTD-diagram for TEX-MATH

TEX-MATH~ — #PCDATA

Child elements none

parent elements **<formula>**

Table 153: Attributes for TEX-MATH

Name	Type	Class	Value	Remark
[S]	cdata	implied		

18.10 TEXT

Figure 155: DTD-diagram for TEXT

TEXT~ — * { **SUP~** —> **SUB~** —> } #PCDATA

Child elements **<sup>** **<sub>**

parent elements **<prm-char>**


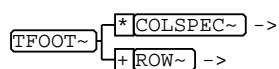
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Table 154: Attributes for TEXT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

18.11 TFOOT

Figure 156: DTD-diagram for TFOOT



Child elements **<colspec>** **<row>**

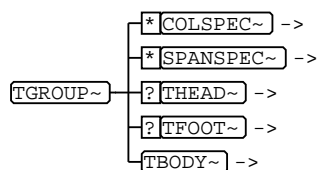
parent elements **<tgroup>**

Table 155: Attributes for TFOOT

Name	Type	Class	Value	Remark
[S]	cdata	implied		
[VALIGN]	nmtkgp	default	TOP TOP MIDDLE BOTTOM	

18.12 TGROUP

Figure 157: DTD-diagram for TGROUP



Child elements **<colspec>** **<spanspec>** **<thead>** **<tfoot>** **<tbody>**

parent elements **<table>**


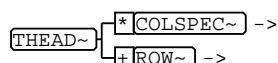
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Table 156: Attributes for TGROUP

Name	Type	Class	Value	Remark
[ALIGN]	nmtkgrp	default	LEFT LEFT RIGHT CENTER JUSTIFY CHAR	
[CHAR]	cdata	default		
[CHAROFF]	nutoken	default	50	
[COLS]	number	required		
[COLSEP]	number	implied		
[ROWSEP]	number	implied		
[S]	cdata	implied		
[TGROUPSTYLE]	nmtoken	implied		

18.13 THEAD

Figure 158: DTD-diagram for THEAD



Child elements <colspec> <row>

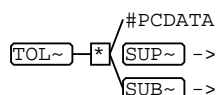
parent elements <tgroup>

Table 157: Attributes for THEAD


Name	Type	Class	Value	Remark
[S]	cdata	implied		
[VALIGN]	nmtkgrp	default	BOTTOM TOP MIDDLE BOTTOM	

18.14 TOL

Figure 159: DTD-diagram for TOL



Child elements <sup> <sub>

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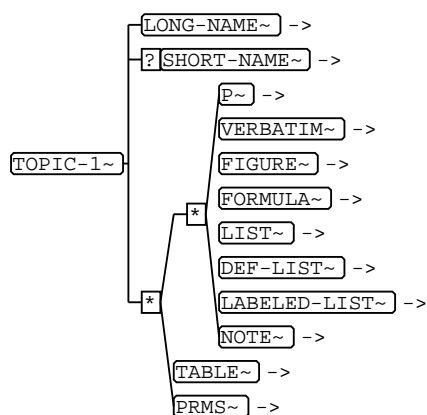
parent elements <prm-char>

Table 158: Attributes for TOL

Name	Type	Class	Value	Remark
[S]	cdata	implied		

18.15 TOPIC-1

Figure 160: DTD-diagram for TOPIC-1



Child elements <long-name> <short-name> <p> <verbatim> <figure> <formula> <list> <def-list> <labeled-list> <note> <table> <prms>

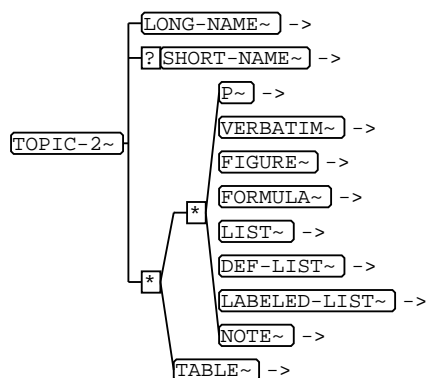
parent elements <chapter> <chg-reason> <chg-release-notes> <chg-solution-con> <chg-solution-pro> <chg-solution-spec> <chg-subject> <ncoi-1>

Table 159: Attributes for TOPIC-1

Name	Type	Class	Value	Remark
[F-ID-CLASS]	name	fixed	TOPIC	
[HELP-ENTRY]	cdata	implied		
[ID]	id	required		
[S]	cdata	implied		

18.16 TOPIC-2

Figure 161: DTD-diagram for TOPIC-2



Child elements **<long-name>** **<short-name>** **<p>** **<verbatim>** **<figure>** **<formula>** **<list>** **<def-list>** **<labeled-list>** **<note>** **<table>**

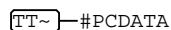
parent elements **<abstract>** **<introduction>**

Table 160: Attributes for TOPIC-2

Name	Type	Class	Value	Remark
[F-ID-CLASS]	name	fixed	TOPIC	
[HELP-ENTRY]	cdata	implied		
[ID]	id	required		
[S]	cdata	implied		

18.17 TT

Figure 162: DTD-diagram for TT



Child elements none

parent elements **<change>** **<desc>** **<indent-sample>** **<item-label>** **<long-name>** **<long-name-1>** **<main-title>** **<overall-title>** **<p>** **<reason>** **<sub-title>** **<tbr>**


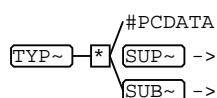
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Table 161: Attributes for TT

Name	Type	Class	Value	Remark
[S]	cdata	implied		
[TYPE]	nmtkgrp	required	SGMLTAG SGML-ATTRIBUTE TOOL PRODUCT VARIABLE STATE PRM MATERIAL CONTROL-ELEMENT CODE ORGANISATION OTHER	
[USER-DEFINED-TYPE]	cdata	implied		

18.18 TYP

Figure 163: DTD-diagram for TYP




Child elements <sup> <sub>

parent elements <prm-char>

Table 162: Attributes for TYP

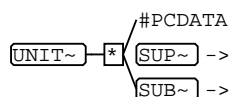
Name	Type	Class	Value	Remark
[S]	cdata	implied		

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19 UNIT ... USED-LANGUAGES

19.1 UNIT

Figure 164: DTD-diagram for UNIT



Child elements `<sup>` `<sub>`

parent elements `<prm-char>`

Table 163: Attributes for UNIT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

19.2 USED-LANGUAGES

Figure 165: DTD-diagram for USED-LANGUAGES




Child elements none

parent elements `<admin-data>`

Table 164: Attributes for USED-LANGUAGES

Name	Type	Class	Value	Remark
[S]	cdata	implied		

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20 VALUE ... VERBATIM

20.1 VALUE

Figure 166: DTD-diagram for VALUE

VALUE~ — #PCDATA

Child elements none

parent elements **<variant-char-value>**

Table 165: Attributes for VALUE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

20.2 VARIANT-CHAR

Figure 167: DTD-diagram for VARIANT-CHAR

VARIANT-CHAR~ { **LONG-NAME~** ->
SHORT-NAME~ ->
? CODE~ ->

Child elements **<long-name>** **<short-name>** **<code>**

parent elements **<variant-chars>**

Table 166: Attributes for VARIANT-CHAR

Name	Type	Class	Value	Remark
[F-ID-CLASS]	name	fixed	VARIANT-CHAR	
[ID]	id	required		
[S]	cdata	implied		
[TYPE]	nmtkgrp	required	NEW-PART-NUMBER NO-NEW-PART-NUMBER	

20.3 VARIANT-CHAR-ASSIGN


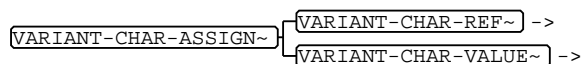
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Figure 168: DTD-diagram for VARIANT-CHAR-ASSIGN



Child elements **<variant-char-ref>** **<variant-char-value>**

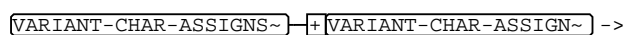
parent elements **<variant-char-assigns>**

Table 167: Attributes for VARIANT-CHAR-ASSIGN

Name	Type	Class	Value	Remark
[S]	cdata	implied		

20.4 VARIANT-CHAR-ASSIGNS

Figure 169: DTD-diagram for VARIANT-CHAR-ASSIGNS



Child elements **<variant-char-assign>**

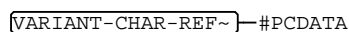
parent elements **<variant-def>**

Table 168: Attributes for VARIANT-CHAR-ASSIGNS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

20.5 VARIANT-CHAR-REF

Figure 170: DTD-diagram for VARIANT-CHAR-REF



Child elements none

parent elements **<variant-char-assign>**


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Table 169: Attributes for VARIANT-CHAR-REF

Name	Type	Class	Value	Remark
[HYNAMES]	names	fixed	LINKEND VARIANT-CHAR	
[HYTIME]	name	fixed	CLINK	
[S]	cdata	implied		
[VARIANT-CHAR]	idref	required		

20.6 VARIANT-CHAR-VALUE

Figure 171: DTD-diagram for VARIANT-CHAR-VALUE



Child elements **<value>** **<code>**

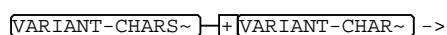
parent elements **<variant-char-assign>**

Table 170: Attributes for VARIANT-CHAR-VALUE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

20.7 VARIANT-CHARS

Figure 172: DTD-diagram for VARIANT-CHARS



Child elements **<variant-char>**

parent elements **<variant-spec>**


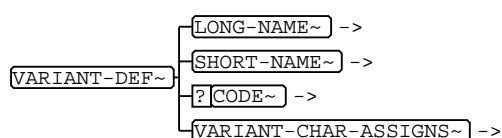
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Table 171: Attributes for VARIANT-CHARS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

20.8 VARIANT-DEF

Figure 173: DTD-diagram for VARIANT-DEF



Child elements **<long-name>** **<short-name>** **<code>** **<variant-char-assigns>**

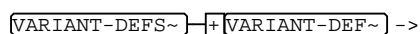
parent elements **<variant-defs>**

Table 172: Attributes for VARIANT-DEF

Name	Type	Class	Value	Remark
[F-ID-CLASS]	name	fixed	VARIANT-DEF	
[ID]	id	required		
[S]	cdata	implied		

20.9 VARIANT-DEFS

Figure 174: DTD-diagram for VARIANT-DEFS



Child elements **<variant-def>**

parent elements **<variant-spec>**


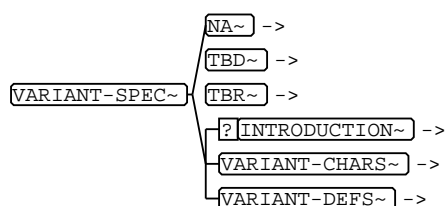
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Table 173: Attributes for VARIANT-DEFS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

20.10 VARIANT-SPEC

Figure 175: DTD-diagram for VARIANT-SPEC



Child elements `<na>` `<tbd>` `<tbr>` `<introduction>` `<variant-chars>` `<variant-defs>`

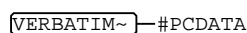
parent elements `<general-project-data>`

Table 174: Attributes for VARIANT-SPEC

Name	Type	Class	Value	Remark
[S]	cdata	implied		

20.11 VERBATIM

Figure 176: DTD-diagram for VERBATIM



Child elements none

parent elements `<abstract>` `<chapter>` `<chg-reason>` `<chg-release-notes>` `<chg-solution-con>` `<chg-solution-pro>` `<chg-solution-spec>` `<chg-subject>` `<entry>` `<figure>` `<formula>` `<introduction>` `<item>` `<labeled item>` `<ncoi-1>` `<remark>` `<topic-1>` `<topic-2>`


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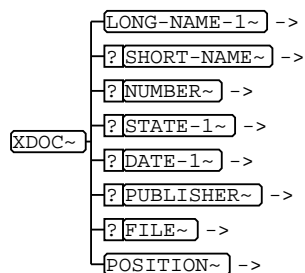
Table 175: Attributes for VERBATIM

Name	Type	Class	Value	Remark
[ALLOW-BREAK]	number	default	1	
[FLOAT]	nmtgrp	implied	FLOAT NO-FLOAT	
[HELP-ENTRY]	cdata	implied		
[S]	cdata	implied		

21 XDOC ... XREF

21.1 XDOC

Figure 177: DTD-diagram for XDOC



Child elements **<long-name-1>** **<short-name>** **<number>** **<state-1>** **<date-1>** **<publisher>** **<file>** **<position>**

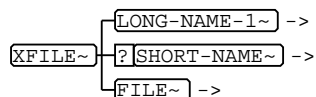
parent elements **<p>** **<tbr>**

Table 176: Attributes for XDOC

Name	Type	Class	Value	Remark
[F-CHILD-TYPE]	cdata	fixed	date-1:date	
[F-ID-CLASS]	name	fixed	XDOC	
[ID]	id	required		
[S]	cdata	implied		

21.2 XFILE

Figure 178: DTD-diagram for XFILE



Child elements **<long-name-1>** **<short-name>** **<file>**

parent elements **<p>** **<tbr>**


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Table 177: Attributes for XFILE

Name	Type	Class	Value	Remark
[F-ID-CLASS]	name	fixed	XFILE	
[ID]	id	required		
[S]	cdata	implied		

21.3 XREF

Figure 179: DTD-diagram for XREF


XREF~—#PCDATA

Child elements none

parent elements <change> <desc> <indent-sample> <item-label> <main-title> <overall-title> <p> <reason> <sub-title> <tbr>

Table 178: Attributes for XREF

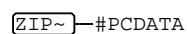
Name	Type	Class	Value	Remark
[EXT-ID-CLASS]	cdata	implied		
[HYNAMES]	names	fixed	LINKEND ID-REF	
[HYTIME]	name	fixed	CLINK	
[ID-CLASS]	nmtgrp	required	CHAPTER CHG-OBJECT CHG-OBJECT-REVISION CHG-REQUEST COMPANY DEF-ITEM FIGURE FORMULA PRM SAMPLE STD TABLE TEAM-MEMBER TOPIC VARIANT-CHAR VARIANT-DEF XDOC XFILE EXTERNAL	
[ID-REF]	idref	required		
[S]	cdata	implied		

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22 ZIP ... ZIP

22.1 ZIP

Figure 180: DTD-diagram for ZIP



Child elements none

parent elements <**team-member**>

Table 179: Attributes for ZIP

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Technical Terms

Code

ENTITY 70
SDATA 70
SGML-attribute 21
SGMLTAG 21
code 21
crpctmt.wmf 70
organization 21
other 21
product 21
scale="0.5" 71
sgml-attribute 21

Organisations

ASAP 21

OTHER

ECU 21

Products

ASAP2 21
ASCET 114
MSRREP DTD 20, 20, 21

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[ALLOW-BREAK] 135
[BREAK] 30
[CATEGORY] 70
[CHAR] 48, 63, 114, 125
[CHAROFF] 48, 63, 114, 125
[CHG-OBJECT-REVISION] 35
[CHG-REQUEST] 41
[COLNAME] 48, 63
[COLNUM] 48

[COLS] 125
[COLSEP] 48, 63, 114, 119, 125
[COLWIDTH] 48
[COMPANY] 51
[DOCORSUB] 91
[EXT-ID-CLASS] 137
[F-CHILD-TYPE] 27, 49, 52, 60, 110, 111, 116, 136
[F-ID-CLASS] 30, 31, 34, 35, 40, 49, 56, 65, 66, 100, 111, 116, 119, 121, 126, 127, 130, 133, 136, 137
[F-NAMESPACE] 31, 34, 49, 87
[F-PUBID] 87
[FILENAME] 65, 70
[FIT] 70
[FLOAT] 65, 119, 135
[FRAME] 119
[HEIGHT] 70
[HELP-ENTRY] 30, 56, 65, 79, 95, 119, 126, 127, 135
[HYNAMES] 35, 41, 51, 111, 122, 132, 137
[HYTIME] 35, 41, 51, 87, 89, 91, 111, 122, 132, 137
[ID] 30, 31, 34, 35, 40, 49, 56, 65, 66, 89, 100, 111, 116, 119, 121, 126, 127, 130, 133, 136, 137
[ID-CLASS] 137
[ID-REF] 137
[ITEM-LABEL-POS] 74
[MOREROWS] 63
[NAMEEND] 63, 114
[NAMEST] 63, 114
[NAMETYPE] 91
[NOTATION] 65, 70
[NOTE-TYPE] 92
[ORIENT] 119
[PGWIDE] 119
[PUBID] 87



[RELATION] 41
[ROLE] 49
[ROTATE] 63
[ROWSEP] 48, 63, 110, 114, 119, 125
[S] 23, 24, 25, 25, 26, 27, 28, 29, 29, 30, 31, 32, 32, 33, 33, 33, 34, 34, 35, 35, 36, 36, 36, 37, 37, 38, 39, 40, 40, 41, 41, 42, 42, 42, 43, 44, 44, 45, 45, 46, 46, 47, 47, 48, 48, 49, 50, 51, 51, 52, 53, 53, 54, 55, 55, 56, 56, 57, 57, 58, 58, 59, 60, 60, 61, 61, 62, 63, 64, 65, 65, 66, 67, 68, 69, 70, 72, 73, 74, 74, 75, 76, 77, 78, 79, 80, 81, 81, 82, 83, 83, 84, 85, 85, 86, 86, 87, 88, 89, 91, 91, 92, 92, 93, 94, 95, 96, 96, 97, 97, 98, 100, 101, 102, 102, 103, 103, 104, 105, 106, 106, 107, 107, 108, 108, 109, 109, 110, 110, 111, 112, 112, 113, 113, 114, 114, 115, 115, 116, 116, 117, 117, 118, 118, 119, 120, 120, 121, 121, 122, 122, 123, 123, 124, 124, 125, 125, 126, 126, 127, 128, 128, 129, 129, 130, 130, 131, 131, 132, 132, 133, 133, 134, 134, 135, 136, 137, 137, 138
[SAMPLE] 112
[SCALE] 70
[SHORTENTRY] 119
[SPANNAME] 63, 114
[STATE] 45
[TABSTYLE] 119
[TEAM-MEMBER] 122
[TGROUPSTYLE] 125
[TOCENTRY] 119
[TOOL] 65
[TOOL-VERSION] 65
[TYPE] 61, 73, 82, 86, 97, 128, 130
[USER-DEFINED-TYPE] 92, 128
[VALIGN] 63, 120, 124, 125
[VARIANT-CHAR] 132
[WIDTH] 70
[category] 70

[filename] 70
[fit] 70, 71
[height] 70, 70, 71, 71, 71, 71, 71
[id] 78
[notation] 71
[scale] 71, 71
[type] 21, 21, 21, 21, 21, 21, 21
[width] 70, 70, 71, 71, 71, 71, 71

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< abs > 100, 100, 116, 118
< abstract > 56, 64, 66, 80, 81, 92, 95, 107, 119, 127, 134
< acceptance-cond > 68, 75, 88, 90, 120, 121
< add-info > 25, 25
< add-spec > 25, 68, 75, 88, 90, 120, 121
< address > 121
< admin-data > 30, 31, 50, 60, 68, 81, 81, 87, 129
< c-code > 66
< change > 61, 66, 73, 85, 116, 118, 127, 137
< changes > 31, 36, 41
< chapter > 26, 30, 30, 30, 56, 64, 66, 80, 81, 82, 90, 92, 95, 101, 106, 107, 107, 113, 119, 126, 134
< chg-chapter > 26, 29, 82, 106, 113
< chg-class > 40
< chg-conclusion > 33, 44, 46
< chg-effort > 44
< chg-implementation > 33, 35, 39
< chg-implementations > 32, 33
< chg-keywords > 40
< chg-object > 35, 36, 82, 113
< chg-object-revision > 35, 54, 82, 113
< chg-object-revision-ref > 33, 38
< chg-object-revisions > 34, 35
< chg-objects > 29, 34
< chg-priority > 40



<chg-proposed-by>	40	<def>	55, 95
<chg-reason>	40, 56, 64, 66, 80, 81, 92, 95, 101, 119, 126, 134	<def-item>	55, 56, 82, 113
<chg-related-objects>	35, 40	<def-list>	24, 30, 37, 39, 43, 44, 44, 46, 55, 62, 75, 76, 79, 90, 106, 126, 127
<chg-related-requests>	40, 46	<demarcation-other-projects>	68, 75, 88, 90, 120, 121
<chg-release-notes>	33, 56, 64, 66, 80, 81, 92, 95, 101, 119, 126, 134	<department>	121
<chg-request>	32, 34, 36, 37, 37, 38, 41, 46, 46, 82, 113	<desc>	41, 61, 64, 66, 73, 99, 116, 118, 119, 127, 137
<chg-request-ref>	39	<dir-hand-over-doc-data>	68, 75, 88, 90, 120, 121
<chg-requests>	29, 40	<doc-label>	50
<chg-responsibility>	42, 46, 58	<doc-revision>	52, 54, 60, 86, 122
<chg-responsible>	41, 122	<doc-revisions>	26, 59
<chg-solution>	43, 44, 44, 45	<e>	28, 58, 73, 76, 84, 93, 95, 105, 117, 121
<chg-solution-con>	42, 56, 64, 66, 80, 81, 92, 95, 101, 119, 126, 134	<email>	121
<chg-solution-pro>	42, 56, 64, 66, 80, 81, 92, 95, 101, 119, 126, 134	<entity-name>	50
<chg-solution-spec>	32, 32, 42, 56, 64, 66, 80, 81, 92, 95, 101, 119, 126, 134	<entry>	56, 64, 66, 80, 81, 92, 95, 110, 134
<chg-solutions>	42, 46	<fax>	121
<chg-state>	46	<figure>	24, 30, 37, 39, 43, 44, 44, 46, 58, 62, 69, 70, 75, 76, 79, 82, 90, 106, 113, 126, 127, 134
<chg-subject>	40, 56, 64, 66, 80, 81, 92, 95, 101, 119, 126, 134	<file>	115, 136, 136
<chg-treatment>	32, 39, 40, 41, 45, 45	<formula>	24, 28, 30, 37, 39, 43, 44, 44, 46, 62, 69, 69, 75, 76, 79, 82, 90, 106, 113, 123, 126, 127, 134
<city>	121	<ft>	28, 58, 73, 76, 84, 93, 95, 105, 117, 121
<code>	47, 130, 132, 133	<general-project-data>	24, 25, 26, 49, 56, 58, 74, 75, 88, 93, 96, 102, 102, 103, 105, 112, 118, 120, 121, 134
<colspec>	124, 124, 125	<generic-math>	66
<companies>	49, 107	<graphic>	64, 66, 70
<company>	48, 68, 82, 113, 122	<homepage>	121
<company-doc-info>	50, 51, 59, 62, 97	<ie>	28, 58, 73, 76, 82, 83, 84, 93, 95, 105, 116, 117, 118, 121
<company-doc-infos>	26, 50	<indent-sample>	61, 66, 73, 80, 116, 118, 127, 137
<company-ref>	50, 52	<integration-capability>	68, 75, 88, 90, 120, 121
<company-revision-info>	51, 52, 75, 108, 115		
<company-revision-infos>	52, 59		
<cond>	95, 100		
<date>	35, 59, 113		
<date-1>	115, 136		



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<item>	56, 64, 66, 80, 81, 81, 92, 95, 134
<item-label>	61, 66, 73, 79, 116, 118, 127, 137
<label>	78, 91, 101
<labeled-item>	56, 64, 66, 76, 80, 80, 81, 92, 95, 134
<labeled-list>	24, 30, 37, 39, 43, 44, 44, 46, 62, 73, 75, 76, 79, 79, 90, 106, 126, 127
<language>	26
<list>	24, 30, 37, 39, 43, 44, 44, 46, 62, 75, 76, 76, 79, 90, 106, 126, 127
<locs>	87, 88
<long-name>	30, 31, 34, 35, 40, 49, 55, 64, 66, 70, 73, 78, 88, 99, 111, 119, 121, 126, 127, 127, 130, 133
<long-name-1>	73, 115, 127, 136, 136
<main-title>	61, 66, 73, 108, 116, 118, 127, 137
<max>	100, 100, 116, 118
<min>	100, 100, 116, 118
<modification>	28, 86, 105
<modifications>	59, 86
<msrrep>	26, 82, 106, 107, 107, 113
<msrsw>	21
<na>	24, 25, 56, 58, 68, 74, 93, 96, 102, 102, 103, 105, 112, 118, 134
<nameloc>	82, 82, 91, 113
<ncoi-1>	24, 25, 30, 56, 56, 58, 64, 66, 74, 80, 81, 92, 93, 95, 96, 101, 102, 102, 103, 105, 111, 118, 119, 126, 134
<nmlist>	88
<note>	24, 30, 37, 39, 43, 44, 44, 46, 62, 75, 76, 78, 79, 90, 95, 106, 126, 127
<number>	136
<objectives>	68, 75, 88, 90, 120, 121
<overall-title>	61, 66, 73, 108, 116, 118, 127, 137
<p>	24, 30, 37, 39, 43, 43, 44, 46, 53, 55, 61, 62, 66, 73, 75, 76, 79, 90, 91, 106, 115, 116, 118, 126, 127, 127, 136, 136, 137
<parallel-designs>	68, 75, 88, 90, 120, 121
<phone>	121
<position>	115, 136
<private-code>	97
<private-codes>	50, 97
<prm>	58, 82, 100, 101, 113
<prm-char>	23, 53, 84, 85, 99, 106, 123, 126, 128, 129
<prms>	30, 37, 39, 43, 44, 44, 46, 78, 90, 99, 126
<project-schedule>	68, 75, 88, 90, 120, 121
<protocols>	68, 75, 88, 90, 120, 121
<publisher>	136
<purchasing-cond>	68, 75, 88, 90, 120, 121
<reason>	61, 66, 73, 85, 116, 118, 127, 137
<reason-order>	68, 75, 88, 90, 120, 121
<remark>	56, 64, 66, 80, 81, 92, 95, 100, 134
<report-body>	30, 31, 87
<report-head>	24, 30, 48, 87, 108
<report-rear>	30, 87
<report-subject>	84, 93, 107, 113, 117
<revision-label>	52
<role>	109
<roles>	109, 121
<row>	62, 120, 124, 125
<sample>	82, 90, 112, 113
<sample-ref>	113
<sample-spec>	68, 75, 88, 112, 120, 121
<samples>	111, 112
<schedule>	54, 111, 119
<short-name>	30, 31, 34, 35, 40, 49, 55, 64, 66, 87, 88, 99, 108, 111, 114, 115, 119, 121, 126, 127, 130, 133, 136, 136
<spanspec>	124



<state>	52	<topic-2>	24, 56, 64, 66, 75, 80, 81, 82, 92, 95, 113, 119, 134
<state-1>	115, 136	<tt>	28, 58, 73, 76, 82, 83, 84, 93, 95, 105, 117, 121
<std>	54, 65, 83, 95, 97, 113, 115, 117, 121	<typ>	100, 100, 116, 118
<sub>	23, 28, 58, 73, 73, 76, 84, 84, 85, 93, 95, 105, 117, 121, 123, 125, 128, 129	<unit>	100, 116, 118
<sub-title>	61, 66, 73, 108, 116, 118, 127, 137	<used-languages>	26
<subtitle>	115	<value>	132
<sup>	23, 28, 58, 73, 73, 76, 84, 84, 85, 93, 95, 105, 117, 121, 123, 125, 128, 129	<variant-char>	47, 82, 113, 132
<sw-param-value-block>	78	<variant-char-assign>	131, 131, 132
<sw-prm>	23	<variant-char-assigns>	131, 133
<system-overview>	68, 75, 88, 90, 120, 121	<variant-char-ref>	131
<table>	24, 30, 37, 39, 43, 44, 44, 46, 70, 75, 82, 90, 113, 124, 126, 127	<variant-char-value>	47, 130, 131
<tbd>	24, 25, 56, 58, 58, 68, 74, 93, 96, 102, 102, 103, 105, 112, 113, 118, 122, 134	<variant-chars>	130, 134
<tbody>	110, 124	<variant-def>	47, 82, 113, 131, 133
<tbr>	24, 25, 56, 58, 61, 66, 68, 73, 74, 93, 96, 102, 102, 103, 105, 112, 115, 116, 118, 118, 127, 134, 136, 136, 137	<variant-defs>	133, 134
<team-member>	26, 46, 57, 57, 61, 64, 72, 82, 96, 109, 113, 122, 138	<variant-spec>	68, 75, 88, 120, 121, 132, 133
<team-member-ref>	42, 59, 122	<verbatim>	24, 30, 37, 39, 43, 44, 44, 46, 62, 64, 66, 75, 76, 79, 90, 106, 126, 127
<team-member-refs>	119, 122	<xdoc>	54, 65, 83, 92, 95, 97, 103, 113, 115, 121
<team-members>	49, 121	<xfile>	65, 83, 95, 113, 121
<tex-math>	66	<xref>	28, 58, 73, 76, 84, 93, 95, 105, 117, 121
<text>	100, 116, 118	<zip>	121
<tfoot>	47, 110, 124	Tools	
<tgroup>	47, 114, 119, 120, 124, 125	<i>ASAP</i>	114
<thead>	47, 110, 124	<i>SGML Application</i>	71
<tol>	100, 100, 116, 118	<i>SGML tool</i>	70
<topic-1>	30, 37, 39, 43, 44, 44, 46, 56, 64, 66, 80, 81, 82, 90, 92, 95, 101, 113, 119, 134	<i>SGML tools</i>	62
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