MSR Engineering Documentation (MEDOC)
Elements and adttributes of MSRREP.DTD

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Abstract

This is a reference document for *MSRREP DTD* describing all elements and attributes. *MSRREP DTD* is part of the MSR development documentation MEDOC.

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Introduction

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1 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 commitees 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 Figure 1 convention in DTD diagrams p. 10).

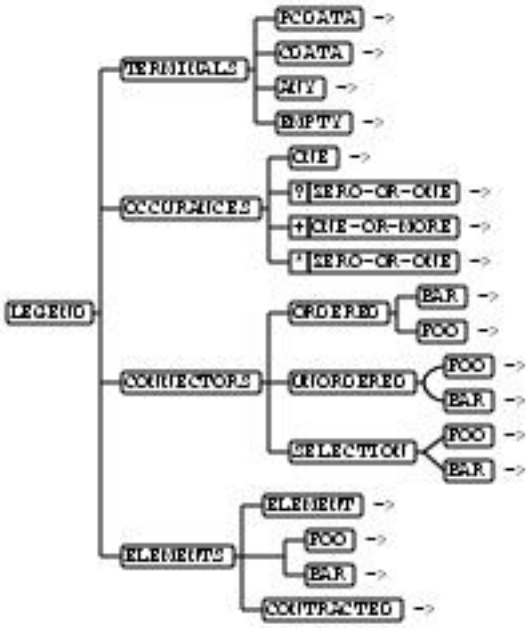

Figure 1: convention in DTD diagrams

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

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2 Allgemeine Projektdaten

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1 ABS ... ADMIN-DATA

1.1 ABS

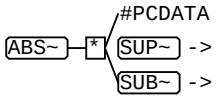

Figure 2: DTD-diagram for ABS

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.

1.2 ABSTRACT

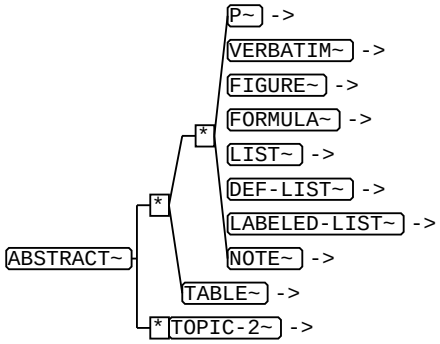

Figure 3: DTD-diagram for ABSTRACT

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

parent elements **<report-head>**

Table 2: Attributes for ABSTRACT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description An abstract of the document content can be given here.

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1.3 ACCEPTANCE-COND

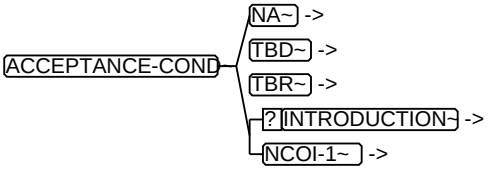

Figure 4: DTD-diagram for ACCEPTANCE-COND

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

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

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

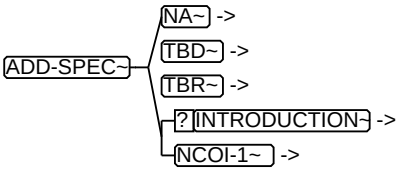

Figure 5: DTD-diagram for ADD-SPEC

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.

1.5 ADDRESS

Figure 6: DTD-diagram for ADDRESS

Child elements none

parent elements **<team-member>**

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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

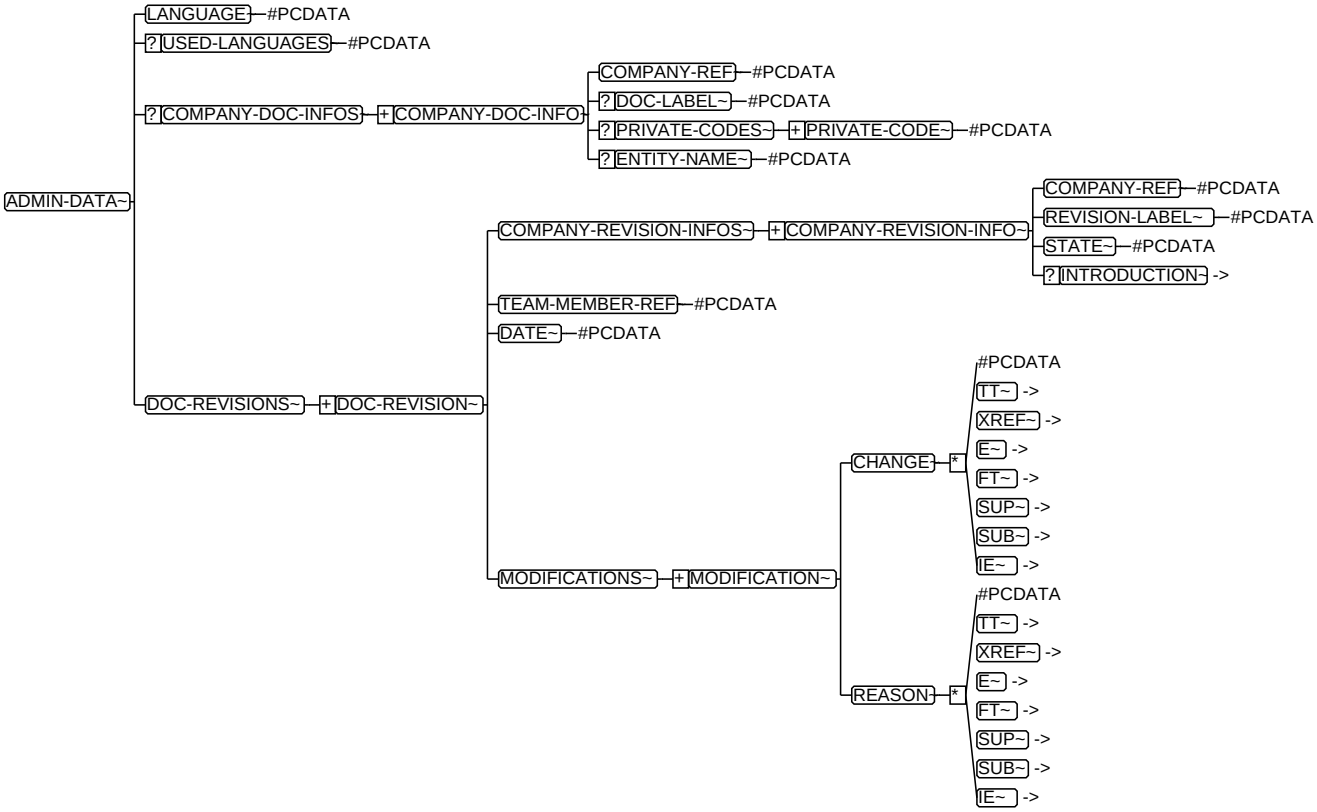

Figure 7: DTD-diagram for ADMIN-DATA

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

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

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.

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

2.1 C-CODE

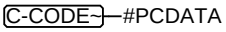

Figure 8: DTD-diagram for C-CODE

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

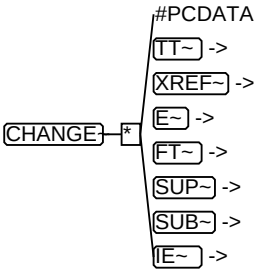

Figure 9: DTD-diagram for CHANGE

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

parent elements **<modification>**

Table 8: Attributes for CHANGE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Describes the change of a document.

2.3 CHANGES

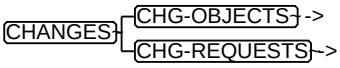

Figure 10: DTD-diagram for CHANGES

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

parent elements **<chg-chapter>**

Table 9: Attributes for CHANGES

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Serves to support the document change management.

2.4 CHAPTER

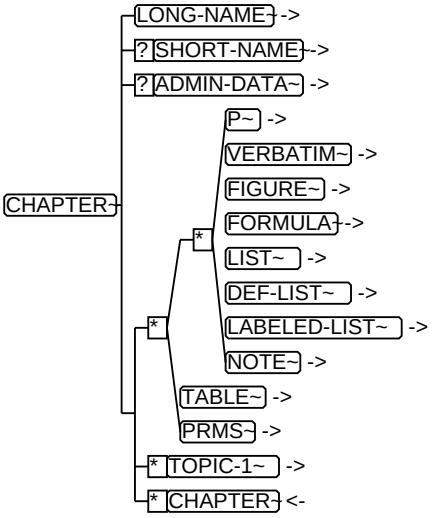

Figure 11: DTD-diagram for CHAPTER

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.

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2.5 CHG-CHAPTER

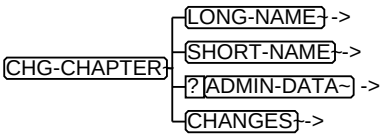

Figure 12: DTD-diagram for CHG-CHAPTER

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		

Description This element serves to group changes to a chapter.

2.6 CHG-CLASS

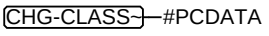

Figure 13: DTD-diagram for CHG-CLASS

Child elements none

parent elements **<chg-request>**

Table 12: Attributes for CHG-CLASS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Serves the textual classification of changes. The definition of the change class is done by the user.

2.7 CHG-CONCLUSION

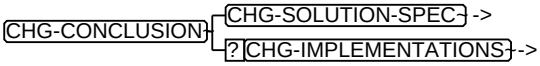

Figure 14: DTD-diagram for CHG-CONCLUSION

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

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parent elements **<chg-treatment>**

Table 13: Attributes for CHG-CONCLUSION

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element describes the solution that is to be realized.

2.8 CHG-EFFORT

Figure 15: DTD-diagram for CHG-EFFORT

Child elements none

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

Table 14: Attributes for CHG-EFFORT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Serves to estimate the effort.

2.9 CHG-IMPLEMENTATION

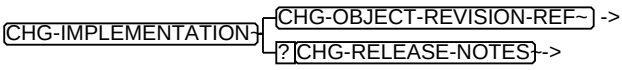

Figure 16: DTD-diagram for CHG-IMPLEMENTATION

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		

Description This element specifies the implementation of the solution to be realized.

2.10 CHG-IMPLEMENTATIONS

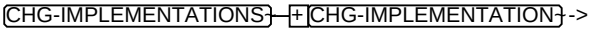

Figure 17: DTD-diagram for CHG-IMPLEMENTATIONS

Child elements **<chg-implementation>**

parent elements **<chg-conclusion>**

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Table 16: Attributes for CHG-IMPLEMENTATIONS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains informations about the solution to be realized.

2.11 CHG-KEYWORDS

Figure 18: DTD-diagram for CHG-KEYWORDS

Child elements none

parent elements **<chg-request>**

Table 17: Attributes for CHG-KEYWORDS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element is used for the registration of keywords.

2.12 CHG-OBJECT

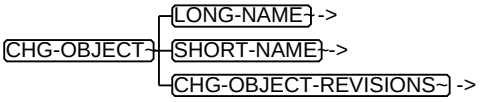

Figure 19: DTD-diagram for CHG-OBJECT

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		

Description This element specifies the object that is to be changed.

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2.13 CHG-OBJECT-REVISION

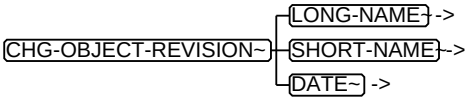

Figure 20: DTD-diagram for CHG-OBJECT-REVISION

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		

Description This element contains information about the revision of a change object.

2.14 CHG-OBJECT-REVISION-REF

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

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		

Description This element is a reference to a revision of a change object.

2.15 CHG-OBJECT-REVISIONS

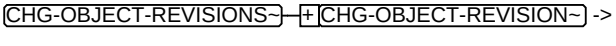

Figure 22: DTD-diagram for CHG-OBJECT-REVISIONS

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		

Description This element contains the individual revisions of a change object.

2.16 CHG-OBJECTS

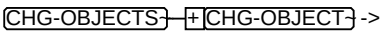

Figure 23: DTD-diagram for CHG-OBJECTS

Child elements **<chg-object>**

parent elements **<changes>**

Table 22: Attributes for CHG-OBJECTS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains the individual change objects.

2.17 CHG-PRIORITY

Figure 24: DTD-diagram for CHG-PRIORITY

Child elements none

parent elements **<chg-request>**

Table 23: Attributes for CHG-PRIORITY

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains the priority of a change request.

2.18 CHG-PROPOSED-BY

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

Child elements none

parent elements **<chg-request>**

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Table 24: Attributes for CHG-PROPOSED-BY

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element states who proposed the request.

2.19 CHG-REASON

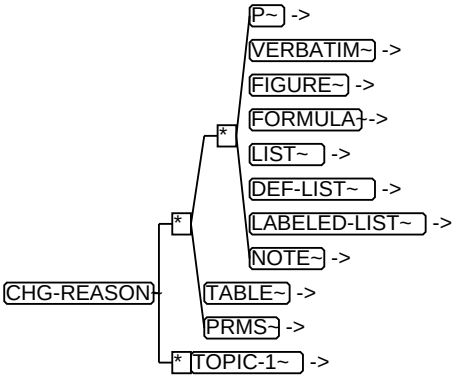

Figure 26: DTD-diagram for CHG-REASON

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		

Description This element contains the reason of a change.

2.20 CHG-RELATED-OBJECTS

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

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		

Description Contains references to change object revisions concerned by the changes.

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3 CHG-RELATED-REQUESTS ... COMPANY

3.1 CHG-RELATED-REQUESTS

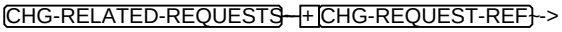

Figure 28: DTD-diagram for CHG-RELATED-REQUESTS

Child elements **<chg-request-ref>**

parent elements **<chg-treatment>**

Table 27: Attributes for CHG-RELATED-REQUESTS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Contains references to related change requests.

3.2 CHG-RELEASE-NOTES

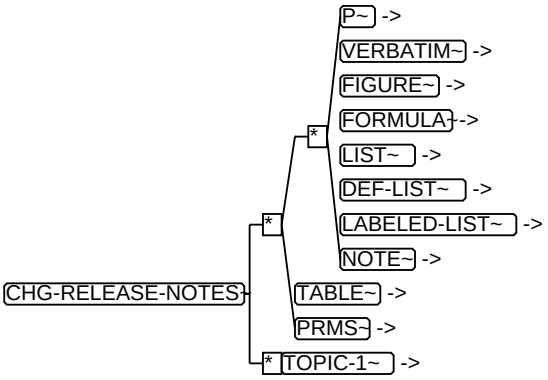

Figure 29: DTD-diagram for CHG-RELEASE-NOTES

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

parent elements **<chg-implementation>**

Table 28: Attributes for CHG-RELEASE-NOTES

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Contains information for the publification.

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3.3 CHG-REQUEST

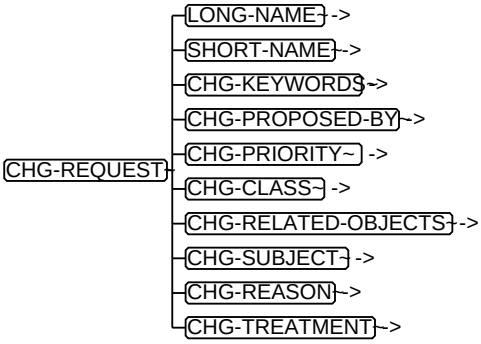

Figure 30: DTD-diagram for CHG-REQUEST

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		

Description This element describes a individual change request.

3.4 CHG-REQUEST-REF

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

Child elements none

parent elements **<chg-related-requests>**

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]	nmtkgrp	required	PREREQUISITE OTHER	
[S]	cdata	implied		

Description This element is a reference to a change request.

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3.5 CHG-REQUESTS

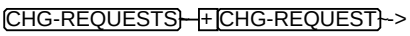

Figure 32: DTD-diagram for CHG-REQUESTS

Child elements **<chg-request>**

parent elements **<changes>**

Table 31: Attributes for CHG-REQUESTS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains the individual change requests.

3.6 CHG-RESPONSIBILITY

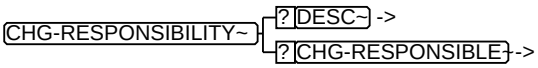

Figure 33: DTD-diagram for CHG-RESPONSIBILITY

Child elements **<desc> <chg-responsible>**

parent elements **<chg-treatment>**

Table 32: Attributes for CHG-RESPONSIBILITY

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element describes the responsibility of the change request.

3.7 CHG-RESPONSIBLE

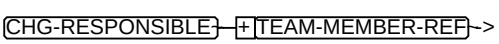

Figure 34: DTD-diagram for CHG-RESPONSIBLE

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

parent elements **<chg-responsibility>**

Table 33: Attributes for CHG-RESPONSIBLE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains references to team members that are responsible for a change request.

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3.8 CHG-SOLUTION

Figure 35: DTD-diagram for CHG-SOLUTION

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		

Description This element describes a possible change solution.

3.9 CHG-SOLUTION-CON

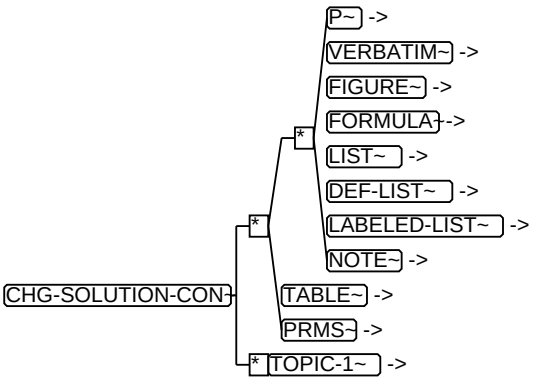

Figure 36: DTD-diagram for CHG-SOLUTION-CON

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		

Description This element discusses the disadvantages of a change solution.

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3.10 CHG-SOLUTION-PRO

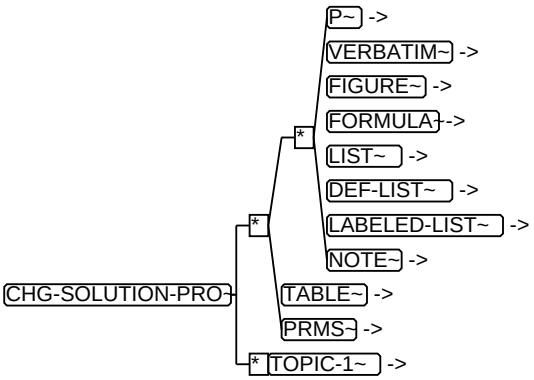

Figure 37: DTD-diagram for CHG-SOLUTION-PRO

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		

Description This element discusses the advantages of a change solution.

3.11 CHG-SOLUTION-SPEC

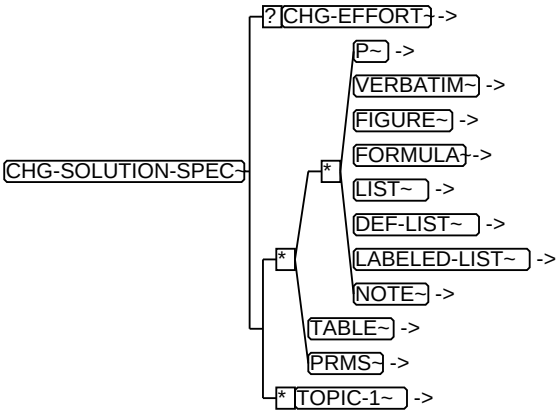

Figure 38: DTD-diagram for CHG-SOLUTION-SPEC

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

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

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Table 37: Attributes for CHG-SOLUTION-SPEC

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element specifies a change solution.

3.12 CHG-SOLUTIONS

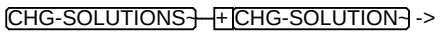

Figure 39: DTD-diagram for CHG-SOLUTIONS

Child elements **<chg-solution>**

parent elements **<chg-treatment>**

Table 38: Attributes for CHG-SOLUTIONS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains the individual change solutions.

3.13 CHG-STATE

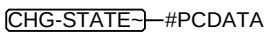

Figure 40: DTD-diagram for CHG-STATE

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	

Description This element describes the progress of a change request.

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3.14 CHG-SUBJECT

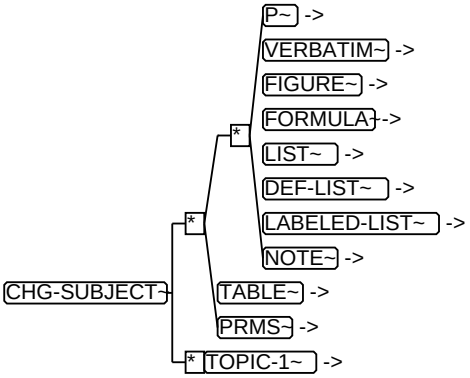

Figure 41: DTD-diagram for CHG-SUBJECT

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		

Description This element defines a change request.

3.15 CHG-TREATMENT

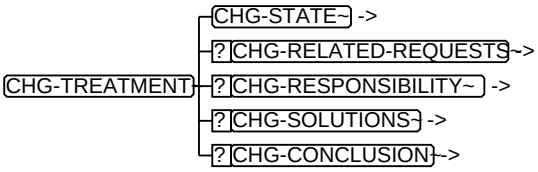

Figure 42: DTD-diagram for CHG-TREATMENT

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		

Description This element describes how a change request is to be dealt with.

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3.16 CITY

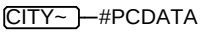

Figure 43: DTD-diagram for CITY

Child elements none

parent elements **<team-member>**

Table 42: Attributes for CITY

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of the city of the address.

3.17 CODE

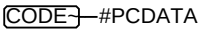

Figure 44: DTD-diagram for CODE

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.

3.18 COLSPEC

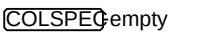

Figure 45: DTD-diagram for COLSPEC

Child elements none

parent elements **<tfoot> <tgroup> <thead>**

Table 44: Attributes for COLSPEC

Name	Type	Class	Value	Remark
[ALIGN]	nmtkgrp	implied	LEFT RIGHT CEN-TER JUSTIFY CHAR	
[CHAR]	cdata	implied		
[CHAROFF]	nutoken	implied		
[COLNAME]	nmtoken	implied		

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Table 44 (Cont.): Attributes for COLSPEC

Name	Type	Class	Value	Remark
[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

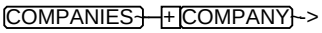

Figure 46: DTD-diagram for COMPANIES

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.

3.20 COMPANY

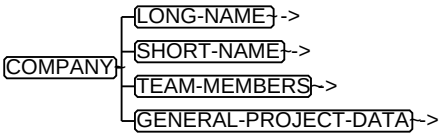

Figure 47: DTD-diagram for COMPANY

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

parent elements **<companies>**

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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.

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4 COMPANY-DOC-INFO ... COND

4.1 COMPANY-DOC-INFO

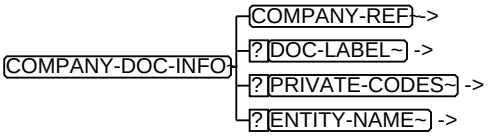

Figure 48: DTD-diagram for COMPANY-DOC-INFO

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.

4.2 COMPANY-DOC-INFOS

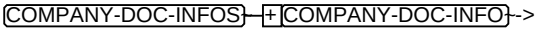

Figure 49: DTD-diagram for COMPANY-DOC-INFOS

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

parent elements **<admin-data>**

Table 48: Attributes for COMPANY-DOC-INFOS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Company specific document informations.

4.3 COMPANY-REF

Figure 50: DTD-diagram for COMPANY-REF

Child elements none

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

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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).

4.4 COMPANY-REVISION-INFO

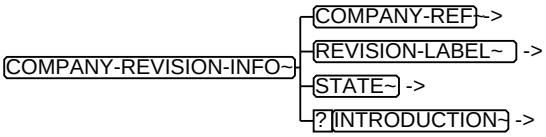

Figure 51: DTD-diagram for COMPANY-REVISION-INFO

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.

4.5 COMPANY-REVISION-INFOS

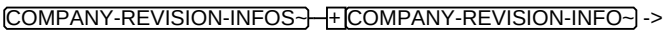

Figure 52: DTD-diagram for COMPANY-REVISION-INFOS

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

parent elements **<doc-revision>**

Table 51: Attributes for COMPANY-REVISION-INFOS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Company specific document revisions.

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4.6 COND

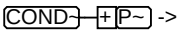

Figure 53: DTD-diagram for COND

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.

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5 DATE ... DOC-REVISIONS

5.1 DATE

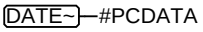

Figure 54: DTD-diagram for DATE

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.

5.2 DATE-1

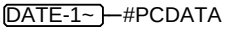

Figure 55: DTD-diagram for DATE-1

Child elements none

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

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.

5.3 DEF

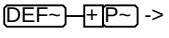

Figure 56: DTD-diagram for DEF

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

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5.4 DEF-ITEM

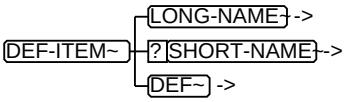

Figure 57: DTD-diagram for DEF-ITEM

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

parent elements **<def-list>**

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

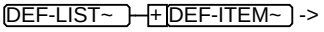

Figure 58: DTD-diagram for DEF-LIST

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

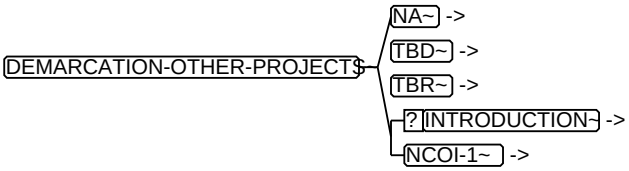

Figure 59: DTD-diagram for DEMARCATION-OTHER-PROJECTS

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

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

Table 58: Attributes for DEMARCATION-OTHER-PROJECTS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Specifies the demarcation and differences to other projects.

5.7 DEPARTMENT

Figure 60: DTD-diagram for DEPARTMENT

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.

5.8 DESC

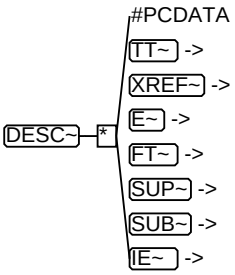

Figure 61: DTD-diagram for DESC

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.

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5.9 DIR-HAND-OVER-DOC-DATA

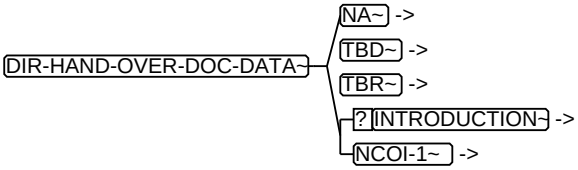

Figure 62: DTD-diagram for DIR-HAND-OVER-DOC-DATA

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.

5.10 DOC-LABEL

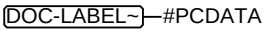

Figure 63: DTD-diagram for DOC-LABEL

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

5.11 DOC-REVISION

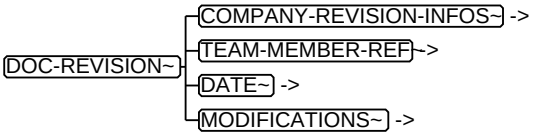

Figure 64: DTD-diagram for DOC-REVISION

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.

5.12 DOC-REVISIONS

Figure 65: DTD-diagram for DOC-REVISIONS

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.

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6 E ... ENTRY

6.1 E

Figure 66: DTD-diagram for E

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

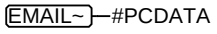

Figure 67: DTD-diagram for EMAIL

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

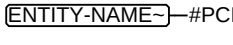

Figure 68: DTD-diagram for ENTITY-NAME

Child elements none

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

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Table 67: Attributes for ENTITY-NAME

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Filename of the document fragment.

6.4 ENTRY

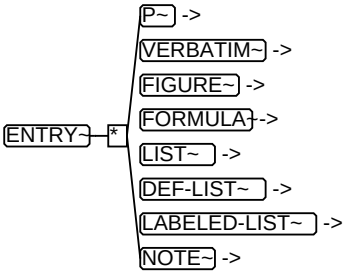

Figure 69: DTD-diagram for ENTRY

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

parent elements **<row>**

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

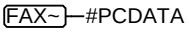

Figure 70: DTD-diagram for FAX

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

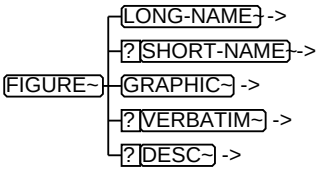

Figure 71: DTD-diagram for FIGURE

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>**

Table 70: Attributes for FIGURE

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

Description Identifies a figure in the document.

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7.3 FILE

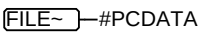

Figure 72: DTD-diagram for FILE

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).

7.4 FORMULA

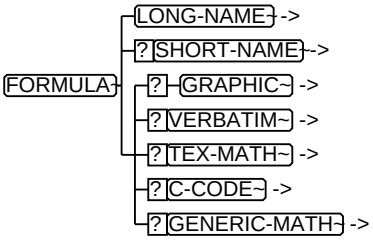

Figure 73: DTD-diagram for FORMULA

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.

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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>**

Table 73: Attributes for FT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Identifies the body of a footnote in the document.

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8 GENERAL-PROJECT-DATA ... GRAPHIC

8.1 GENERAL-PROJECT-DATA

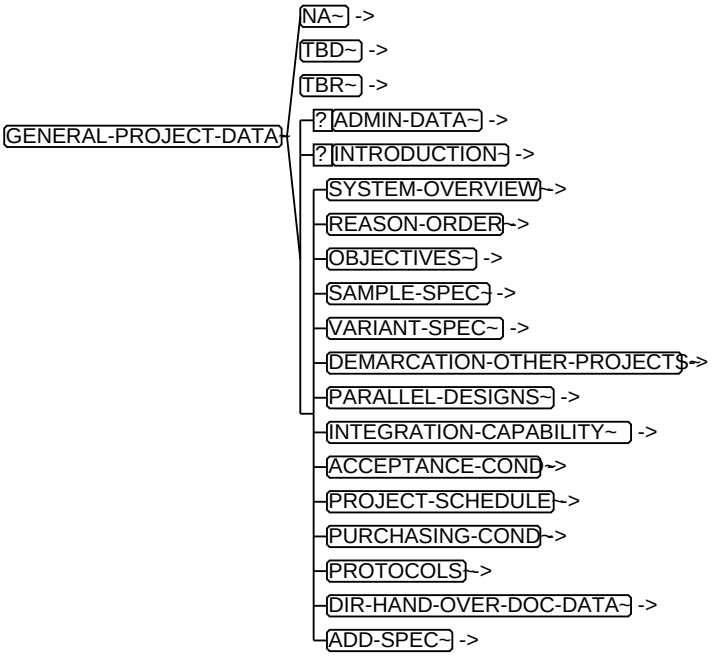

Figure 75: DTD-diagram for GENERAL-PROJECT-DATA

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.

8.2 GENERIC-MATH

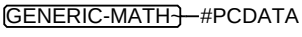

Figure 76: DTD-diagram for GENERIC-MATH

Child elements none

parent elements **<formula>**

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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.

8.3 GRAPHIC

Figure 77: DTD-diagram for GRAPHIC

Child elements none

parent elements **<figure> <formula>**

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.

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9 HOMEPAGE ... HOMEPAGE

9.1 HOMEPAGE

Figure 78: DTD-diagram for HOMEPAGE

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.

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10 IE ... ITEM-LABEL

10.1 IE

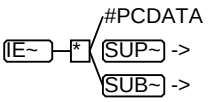

Figure 79: DTD-diagram for IE

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.

10.2 INDENT-SAMPLE

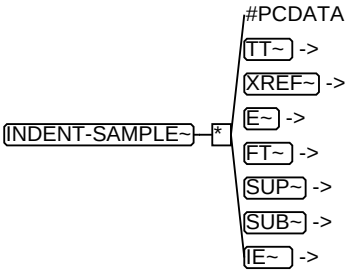

Figure 80: DTD-diagram for INDENT-SAMPLE

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

parent elements **<labeled-list>**

Table 79: Attributes for INDENT-SAMPLE

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

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

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10.3 INTEGRATION-CAPABILITY

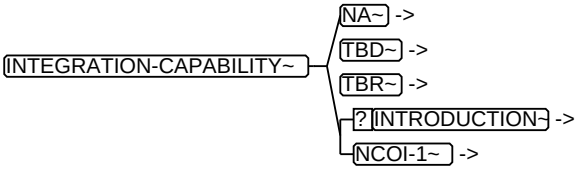

Figure 81: DTD-diagram for INTEGRATION-CAPABILITY

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

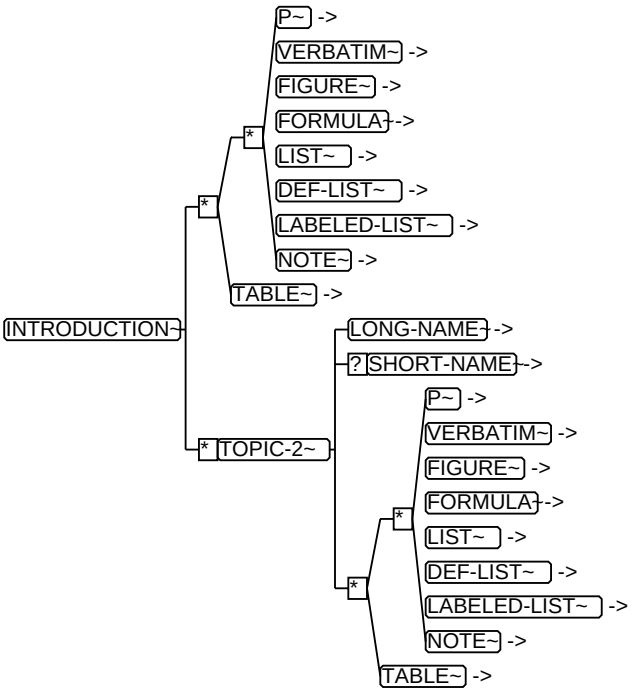

Figure 82: DTD-diagram for INTRODUCTION

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> <proto-**

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cols> <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.

10.5 ITEM

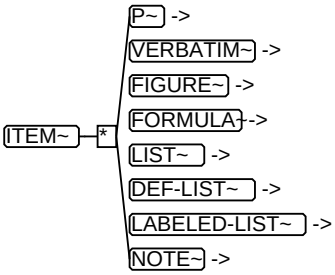

Figure 83: DTD-diagram for ITEM

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

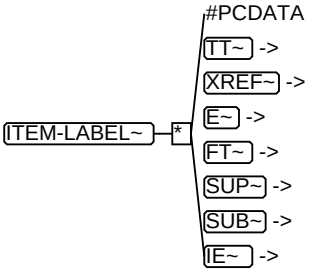

Figure 84: DTD-diagram for ITEM-LABEL

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.

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11 LABEL ... LONG-NAME-1

11.1 LABEL

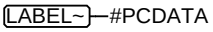

Figure 85: DTD-diagram for LABEL

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.

11.2 LABELED-ITEM

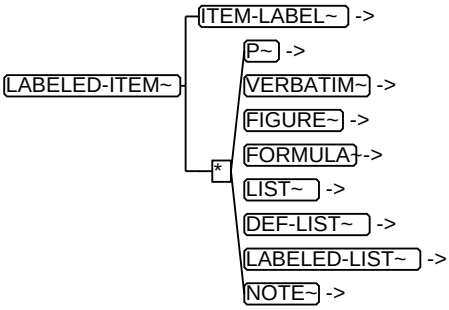

Figure 86: DTD-diagram for LABELED-ITEM

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.

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11.3 LABELED-LIST

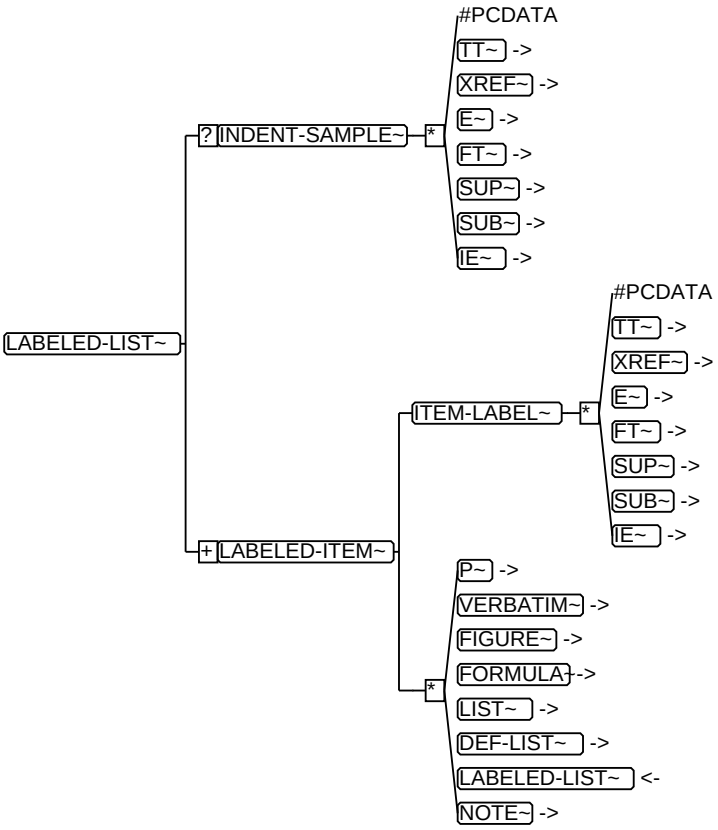

Figure 87: DTD-diagram for LABELED-LIST

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.

11.4 LANGUAGE

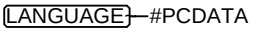

Figure 88: DTD-diagram for LANGUAGE

Child elements none

parent elements **<admin-data>**

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Table 87: Attributes for LANGUAGE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Defines the language of the document (fragment).

11.5 LIST

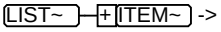

Figure 89: DTD-diagram for LIST

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		
[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

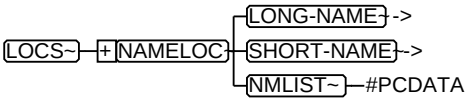

Figure 90: DTD-diagram for LOCS

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.

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11.7 LONG-NAME

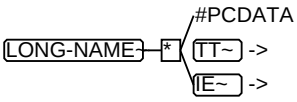

Figure 91: DTD-diagram for LONG-NAME

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>**

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.

11.8 LONG-NAME-1

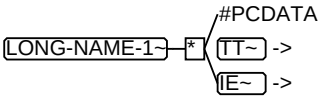

Figure 92: DTD-diagram for LONG-NAME-1

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..

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12 MAIN-TITLE ... MSRREP

12.1 MAIN-TITLE

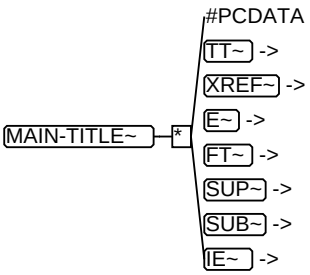

Figure 93: DTD-diagram for MAIN-TITLE

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		

Description Main title of the document.

12.2 MAX

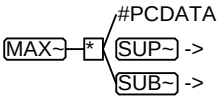

Figure 94: DTD-diagram for MAX

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

parent elements **<prm-char>**

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.

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12.3 MIN

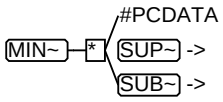

Figure 95: DTD-diagram for MIN

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.

12.4 MODIFICATION

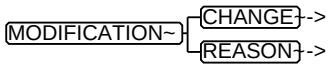

Figure 96: DTD-diagram for MODIFICATION

Child elements **<change> <reason>**

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).

12.5 MODIFICATIONS

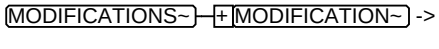

Figure 97: DTD-diagram for MODIFICATIONS

Child elements **<modification>**

parent elements **<doc-revision>**

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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.

12.6 MSRREP

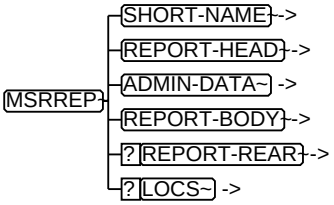

Figure 98: DTD-diagram for MSRREP

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 FOR-MULA PRM SAMPLE STD TABLE TEAM-MEMBER TOP-IC VARIANT-CHAR VARIANT-DEF XDOC XFILE	
[F-PUBID]	cdata	fixed	-//MSR//DTD M-SR REPORT DT-D:V1.1.0:MSRREP.DTD//EN	
[HYTIME]	name	fixed	HYDOC	
[PUBID]	cdata	default	-//MSR//DTD M-SR REPORT DT-D:V1.1.0:MSRREP.DTD//EN	
[S]	cdata	implied		

Description Root element of the MSR Report DTD.

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13 NA ... NUMBER

13.1 NA

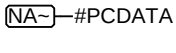

Figure 99: DTD-diagram for NA

Child elements none

parent elements **<acceptance-cond> <add-spec> <demarcation-other-projects> <dir-hand-over-doc-data> <general-project-data> <integration-capability> <objec-tives> <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 appli-cable.

13.2 NAMELOC

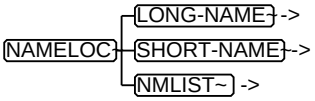

Figure 100: DTD-diagram for NAMELOC

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

parent elements **<locs>**

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.

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13.3 NCOI-1

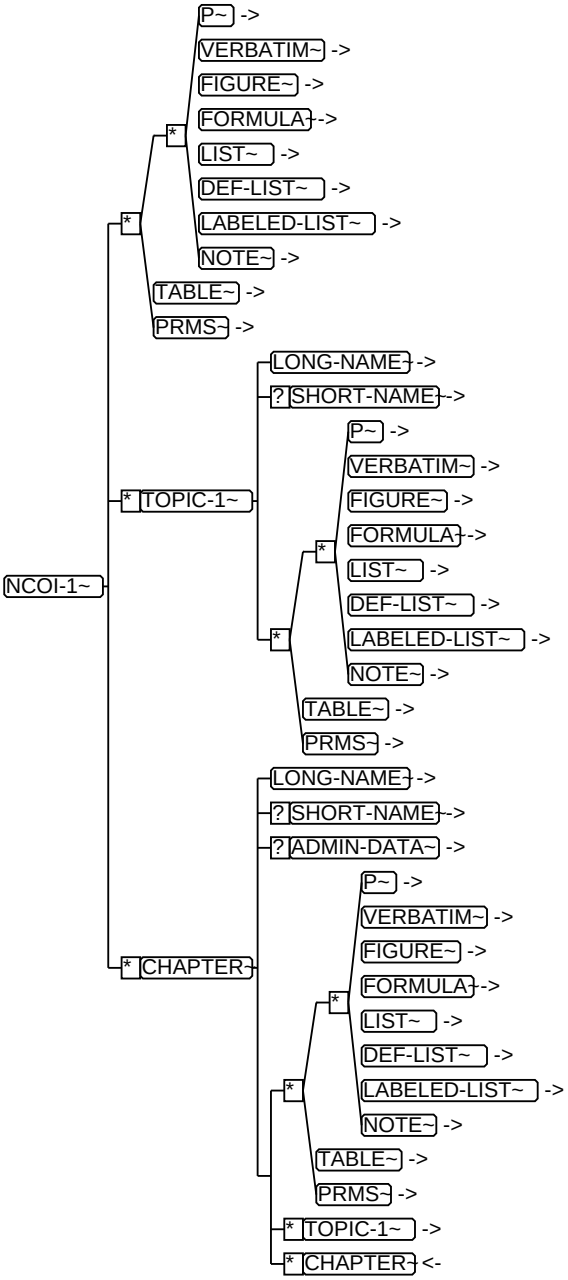

Figure 101: DTD-diagram for NCOI-1

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!

13.4 NMLIST

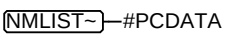

Figure 102: DTD-diagram for NMLIST

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

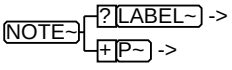

Figure 103: DTD-diagram for NOTE

Child elements **<label> <p>**

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		

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Table 102 (Cont.): Attributes for NOTE

Name	Type	Class	Value	Remark
[USER-DEFINED-TYPE]	cdata	implied		

Description This element is used to specify an annotation.

13.6 NUMBER

Figure 104: DTD-diagram for NUMBER

Child elements none

parent elements **<xdoc>**

Table 103: Attributes for NUMBER

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of a number.

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14 OBJECTIVES ... OVERALL-TITLE

14.1 OBJECTIVES

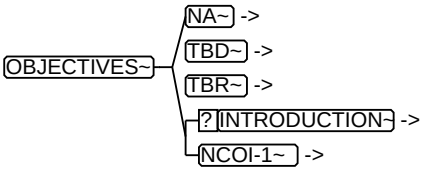

Figure 105: DTD-diagram for OBJECTIVES

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

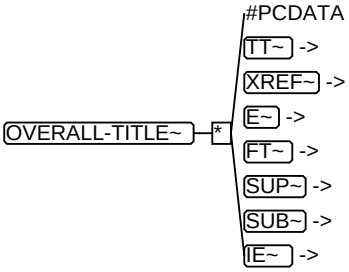

Figure 106: DTD-diagram for OVERALL-TITLE

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

parent elements **<report-subject>**

Table 105: Attributes for OVERALL-TITLE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains the overall title of the document.

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15 P ... PURCHASING-COND

15.1 P

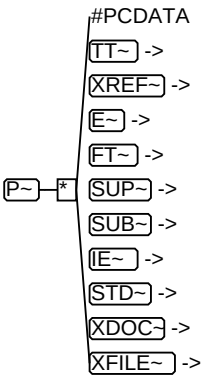

Figure 107: DTD-diagram for P

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.

15.2 PARALLEL-DESIGNS

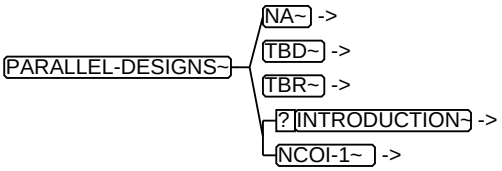

Figure 108: DTD-diagram for PARALLEL-DESIGNS

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).

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15.3 PHONE

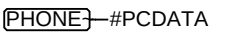

Figure 109: DTD-diagram for PHONE

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

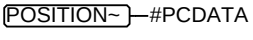

Figure 110: DTD-diagram for POSITION

Child elements none

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

Table 109: Attributes for POSITION

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Describes the important position in the standard or in a external document.

15.5 PRIVATE-CODE

Figure 111: DTD-diagram for PRIVATE-CODE

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 This element allows you to interchange one private (encoded) data.

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15.6 PRIVATE-CODES

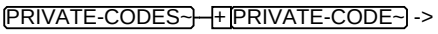

Figure 112: DTD-diagram for PRIVATE-CODES

Child elements **<private-code>**

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

Table 111: Attributes for PRIVATE-CODES

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element allows you to interchange private (encoded) data.

All rights by MSR-MEDOC. We reserve all rights of disposal such as copying and passing on to third parties.

15.7 PRM

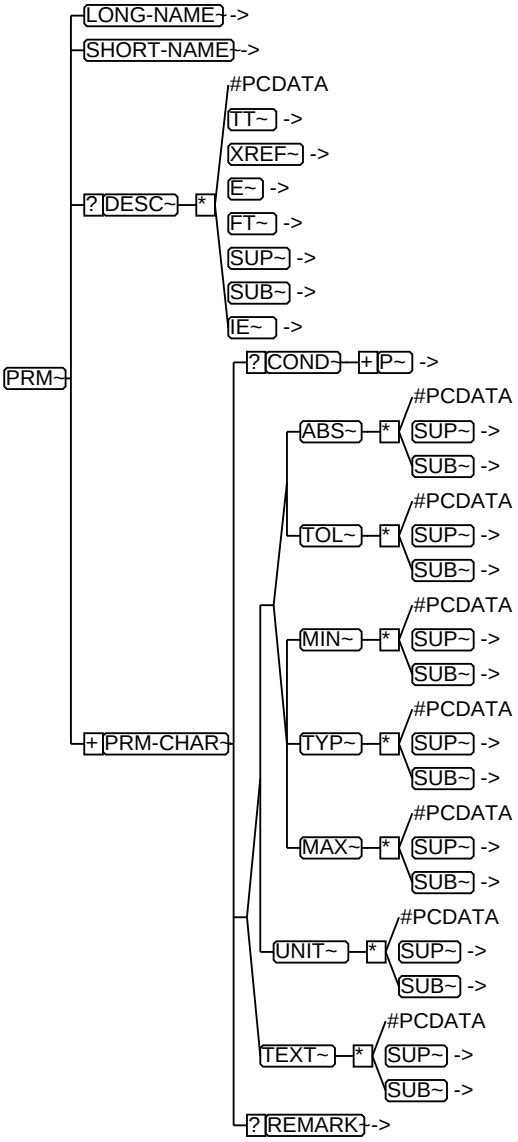

Figure 113: DTD-diagram for PRM

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 Definition of a numeric or alphanumeric (without <operator>, <unit> and <tolerance>) parameter.

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15.8 PRM-CHAR

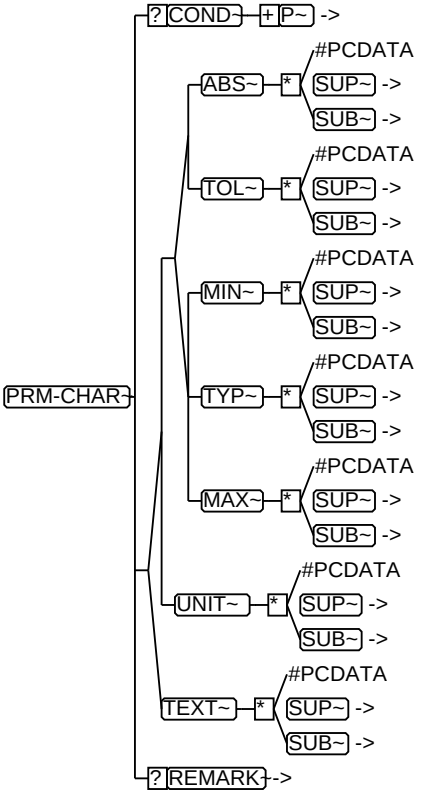

Figure 114: DTD-diagram for PRM-CHAR

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 A parameter consists of one or more characteristics. Each characteristic groups an <operator>, <value>, <unit>, <tolerance> and <cond>. Since it is possible to define a range with two parameter characteristics.

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15.9 PRMS

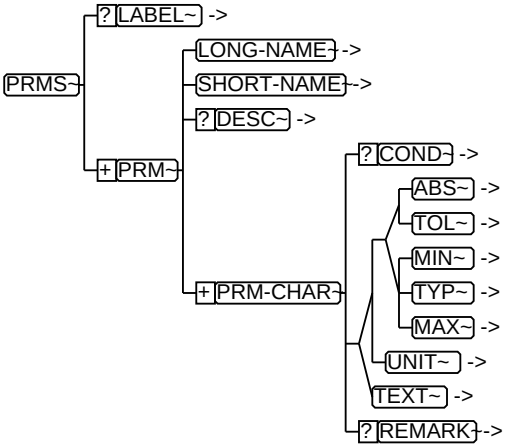

Figure 115: DTD-diagram for PRMS

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>**

Table 114: Attributes for PRMS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Groups one or more parameters to a parameter table.

15.10 PROJECT-SCHEDULE

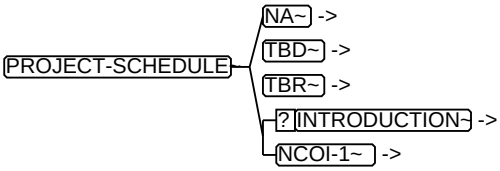

Figure 116: DTD-diagram for PROJECT-SCHEDULE

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		

Description This element contains a project schedule.

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15.11 PROTOCOLS

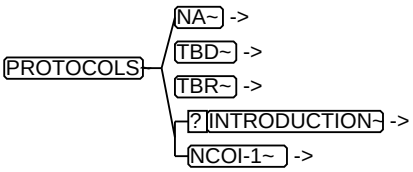

Figure 117: DTD-diagram for PROTOCOLS

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

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

Table 116: Attributes for PROTOCOLS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains all protocols (from the current company) of this project.

15.12 PUBLISHER

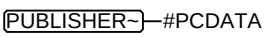

Figure 118: DTD-diagram for PUBLISHER

Child elements none

parent elements **<xdoc>**

Table 117: Attributes for PUBLISHER

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of the publisher of the external document.

15.13 PURCHASING-COND

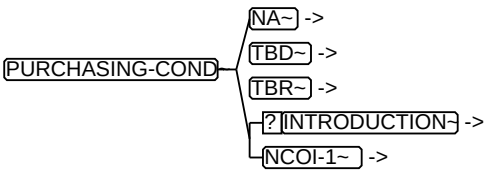

Figure 119: DTD-diagram for PURCHASING-COND

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

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

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All rights by MSR-MEDOC. We reserve all rights of disposal such as copying and passing on to third parties.

Table 118: Attributes for PURCHASING-COND

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element groups existing purchasing conditions.

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16 REASON ... ROW

16.1 REASON

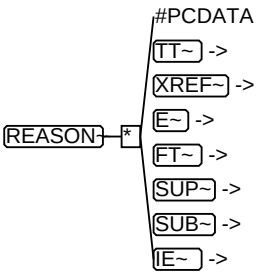

Figure 120: DTD-diagram for REASON

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 Reason of the change.

16.2 REASON-ORDER

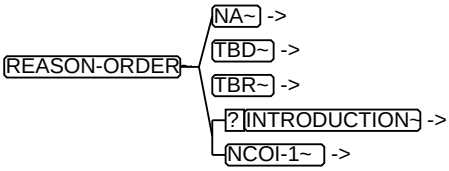

Figure 121: DTD-diagram for REASON-ORDER

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

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

Table 120: Attributes for REASON-ORDER

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Reason of the order.

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16.3 REMARK

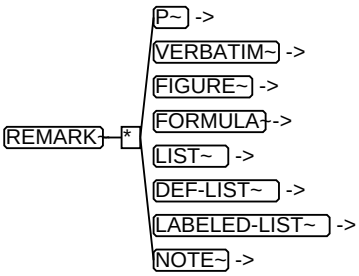

Figure 122: DTD-diagram for REMARK

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		

Description Defines a remark.

16.4 REPORT-BODY

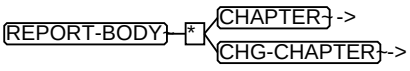

Figure 123: DTD-diagram for REPORT-BODY

Child elements **<chapter> <chg-chapter>**

parent elements **<msrrep>**

Table 122: Attributes for REPORT-BODY

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains the main part of the document as well as the change management support.

16.5 REPORT-HEAD

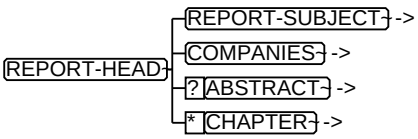

Figure 124: DTD-diagram for REPORT-HEAD

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All rights by MSR-MEDOC. We reserve all rights of disposal such as copying and passing on to third parties.

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

parent elements **<msrrep>**

Table 123: Attributes for REPORT-HEAD

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains all global project related informations.

16.6 REPORT-REAR

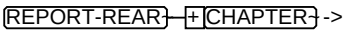

Figure 125: DTD-diagram for REPORT-REAR

Child elements **<chapter>**

parent elements **<msrrep>**

Table 124: Attributes for REPORT-REAR

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains all appendices.

16.7 REPORT-SUBJECT

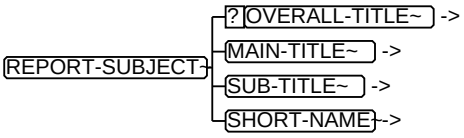

Figure 126: DTD-diagram for REPORT-SUBJECT

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		

Description This element specifies the subject of the report.

16.8 REVISION-LABEL

Figure 127: DTD-diagram for REVISION-LABEL

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Child elements none

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

Table 126: Attributes for REVISION-LABEL

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Label of a revision.

16.9 ROLE

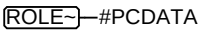

Figure 128: DTD-diagram for ROLE

Child elements none

parent elements **<roles>**

Table 127: Attributes for ROLE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of a team member role (e.g. project leader).

16.10 ROLES

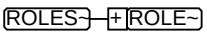

Figure 129: DTD-diagram for ROLES

Child elements **<role>**

parent elements **<team-member>**

Table 128: Attributes for ROLES

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

Description Each team member has one or more roles in the project.

16.11 ROW

Figure 130: DTD-diagram for ROW

Child elements **<entry>**

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parent elements **<tbody> <tfoot> <thead>**

Table 129: Attributes for ROW

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

Description Identifies the row information in a <tgroup> of a table. Default values come from the <table>, <tgroup>, <colspec> or <spanspec> attributes.

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17 SAMPLE ... SYSTEM-OVERVIEW

17.1 SAMPLE

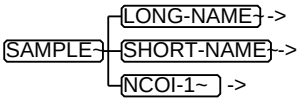

Figure 131: DTD-diagram for SAMPLE

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		

Description Definition of a sample.

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	
[S]	cdata	implied		
[SAMPLE]	idref	required		

Description Reference to a sample.

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17.3 SAMPLE-SPEC

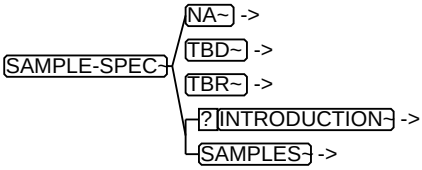

Figure 133: DTD-diagram for SAMPLE-SPEC

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		

Description This element is used for specification of a sample.

17.4 SAMPLES

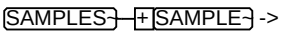

Figure 134: DTD-diagram for SAMPLES

Child elements **<sample>**

parent elements **<sample-spec>**

Table 133: Attributes for SAMPLES

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of a samples.

17.5 SCHEDULE

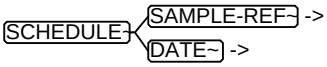

Figure 135: DTD-diagram for SCHEDULE

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

parent elements **<tbd>**

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Table 134: Attributes for SCHEDULE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Fixes the date up to that a document fragment has to be resolved.

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>**

Table 135: Attributes for SHORT-NAME

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Identifier or label of a parameter.

17.7 SPANSPEC

Figure 137: DTD-diagram for SPANSPEC

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		

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Description Identifies a horizontal span of columns and associated attributes that can subsequently be referenced by its spanname to provide attributes repeatedly used in the entries or entry tables in several rows of the table group controlled by the group <colsdef>, or within the specific <thead>, <tfoot>, or <tbody> context in which the <spanspec> occurs. <Namest> and <nameend> identify the first and last columns in increasing order that identify the span. The reason <colname> is used rather than <colnum> in identifying <spanspec> is that the names are independant of revisions that may change the number of inserted/deleted columns, as long as namest remains to the left of (has a smaller colnum than) <nameend>. <spanspec>s set on <thead> or <tfoot> override those on the containing <tgroup> and apply to just the <thead> or<tfoot>. <spanspec>s from the containing <tgroup> apply to <tbody>.

17.8 STATE

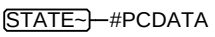

Figure 138: DTD-diagram for STATE

Child elements none

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

Table 137: Attributes for STATE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Processing state of a document, e.g. draft, released.

17.9 STATE-1

Figure 139: DTD-diagram for STATE-1

Child elements none

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

Table 138: Attributes for STATE-1

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of a state (multilingual).

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17.10 STD

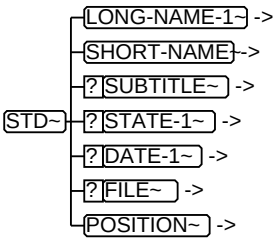

Figure 140: DTD-diagram for STD

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

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

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 Specification of a standard. A <xref> can refer to a standard within a paragraph.

17.11 SUB

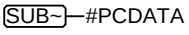

Figure 141: DTD-diagram for SUB

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		

Description Text which appears or is displayed below the normal base line of text.

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17.12 SUB-TITLE

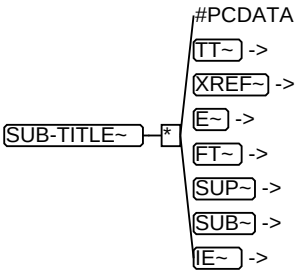

Figure 142: DTD-diagram for SUB-TITLE

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		

Description This element specifies the subtitle of the document.

17.13 SUBTITLE

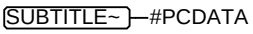

Figure 143: DTD-diagram for SUBTITLE

Child elements none

parent elements **<std>**

Table 142: Attributes for SUBTITLE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element defines a subtitle of the standard.

17.14 SUP

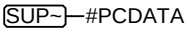

Figure 144: DTD-diagram for SUP

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>**

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Table 143: Attributes for SUP

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Text which appears or is displayed above the normal base line of text.

17.15 SYSTEM-OVERVIEW

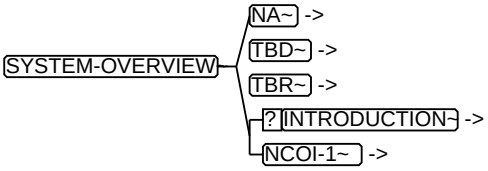

Figure 145: DTD-diagram for SYSTEM-OVERVIEW

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		

Description Information about the complete system.

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18 TABLE ... TYP

18.1 TABLE

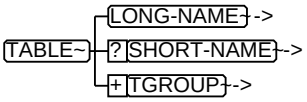

Figure 146: DTD-diagram for TABLE

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 TOP-BOT 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	

Description Identifies a table.

18.2 TBD

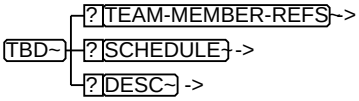

Figure 147: DTD-diagram for TBD

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-**

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cond> <reason-order> <sample-spec> <system-overview> <variant-spec>

Table 146: Attributes for TBD

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Specifies that this information (see parent element) will be defined. The context of this element describes the reason why the information is not defined.

18.3 TBODY

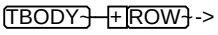

Figure 148: DTD-diagram for TBODY

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	

Description Defines the table body.

18.4 TBR

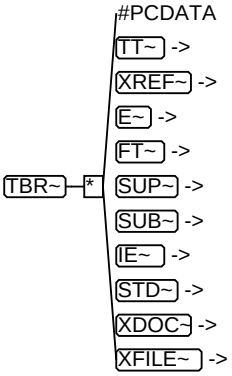

Figure 149: DTD-diagram for TBR

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> <objec-tives> <parallel-designs> <project-schedule> <protocols> <purchasing-**

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cond> <reason-order> <sample-spec> <system-overview> <variant-spec>

Table 148: Attributes for TBR

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Describes substructures which have to be resolved with existing document fragments.

18.5 TEAM-MEMBER

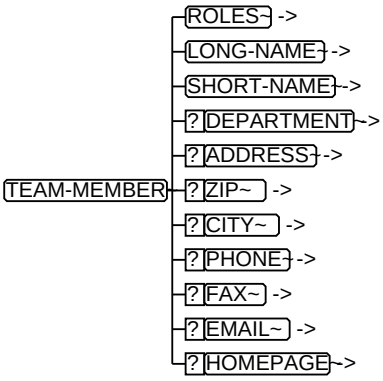

Figure 150: DTD-diagram for TEAM-MEMBER

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

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		

Description Definition of a team member.

18.6 TEAM-MEMBER-REF

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

Child elements none

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

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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		

Description Reference to an team member.

18.7 TEAM-MEMBER-REFS

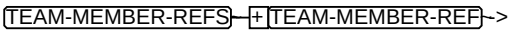

Figure 152: DTD-diagram for TEAM-MEMBER-REFS

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

parent elements **<tbd>**

Table 151: Attributes for TEAM-MEMBER-REFS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description List of references to team members.

18.8 TEAM-MEMBERS

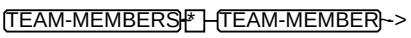

Figure 153: DTD-diagram for TEAM-MEMBERS

Child elements **<team-member>**

parent elements **<company>**

Table 152: Attributes for TEAM-MEMBERS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element groups team-members of a company for the current project.

18.9 TEX-MATH

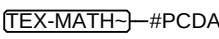

Figure 154: DTD-diagram for TEX-MATH

Child elements none

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parent elements **<formula>**

Table 153: Attributes for TEX-MATH

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Describes a TeX (LaTeX) formula.

18.10 TEXT

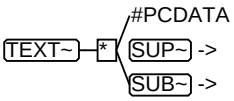

Figure 155: DTD-diagram for TEXT

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

parent elements **<prm-char>**

Table 154: Attributes for TEXT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of text.

18.11 TFOOT

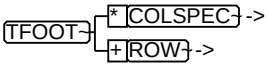

Figure 156: DTD-diagram for TFOOT

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

parent elements **<tgroup>**

Table 155: Attributes for TFOOT

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

Description Identifies the footer information in a table displayed after the <tbody> and also at the bottom of any <tbody> rows before a physical break.

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18.12 TGROUP

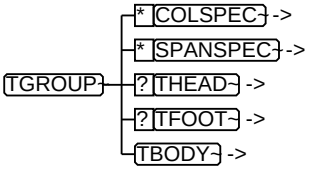

Figure 157: DTD-diagram for TGROUP

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

parent elements **<table>**

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		

Description Each <tgroup> effectively identifies a new partition of a table. If a new <colspec> is provided, it replaces a previous one. If both <colspec> and <spanspec> are new, <spanspec> should refer to columns in the most recent <colspec>.

18.13 THEAD

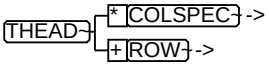

Figure 158: DTD-diagram for THEAD

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	

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Description Identifies the heading information in a table, displayed at the top of the table and again at the top of any continuation after a physical break between <rows> in <tbody>.

18.14 TOL

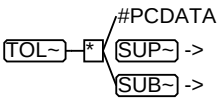

Figure 159: DTD-diagram for TOL

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

parent elements **<prm-char>**

Table 158: Attributes for TOL

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of a tolerance of the defined <value>.

18.15 TOPIC-1

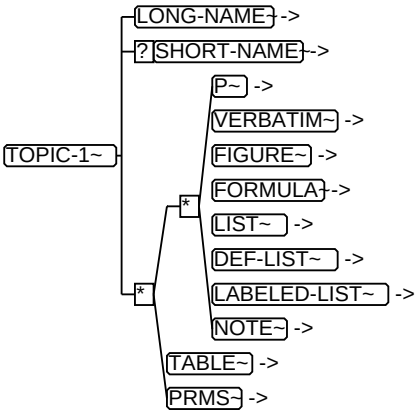

Figure 160: DTD-diagram for TOPIC-1

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		

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Description This element groups tables, parameter groups, figures, lists and paragraphs. It has the same function as a sub-chapter or sub-section.

18.16 TOPIC-2

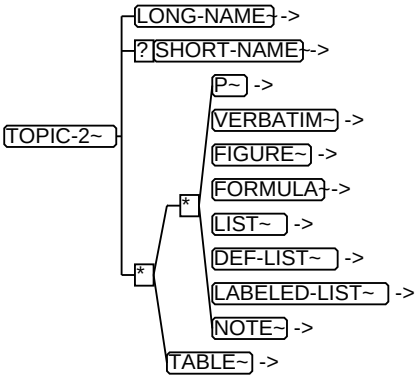

Figure 161: DTD-diagram for TOPIC-2

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		

Description This element groups tables, figures, lists and paragraphs. It has the same function as a sub-chapter or sub-section.

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>**

Table 161: Attributes for TT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

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Table 161 (Cont.): Attributes for TT

Name	Type	Class	Value	Remark
[TYPE]	nmtkgrp	required	SGMLTAG SGML-ATTRIBUTE TOOL PRODUCT VARI-ABLE STATE PRM MATERI-AL CONTROL-ELEMENT CODE OR-GANISATION OTHER	
[USER-DEFINED-TYPE]	cdata	implied		

Description technical term

18.18 TYP

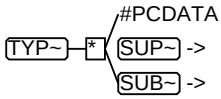

Figure 163: DTD-diagram for TYP

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

parent elements **<prm-char>**

Table 162: Attributes for TYP

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Defines a typical value.

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19 UNIT ... USED-LANGUAGES

19.1 UNIT

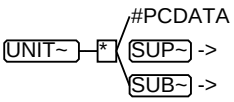

Figure 164: DTD-diagram for UNIT

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

parent elements **<prm-char>**

Table 163: Attributes for UNIT

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of a unit. Please use the standardized SI symbols.

19.2 USED-LANGUAGES

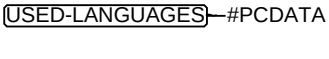

Figure 165: DTD-diagram for USED-LANGUAGES

Child elements none

parent elements **<admin-data>**

Table 164: Attributes for USED-LANGUAGES

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Languages in which the document is produced.

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20 VALUE ... VERBATIM

20.1 VALUE

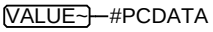

Figure 166: DTD-diagram for VALUE

Child elements none

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

Table 165: Attributes for VALUE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Specifies the value of a variant characteristic.

20.2 VARIANT-CHAR

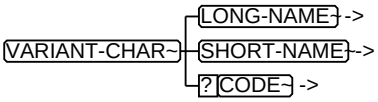

Figure 167: DTD-diagram for VARIANT-CHAR

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	

Description Definition of a variant characteristic.

20.3 VARIANT-CHAR-ASSIGN

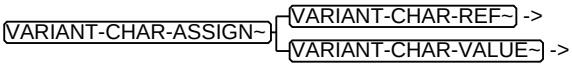

Figure 168: DTD-diagram for VARIANT-CHAR-ASSIGN

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

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

Table 167: Attributes for VARIANT-CHAR-ASSIGN

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Assigns a variant characteristic.

20.4 VARIANT-CHAR-ASSIGNS

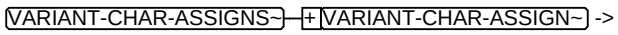

Figure 169: DTD-diagram for VARIANT-CHAR-ASSIGNS

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

parent elements **<variant-def>**

Table 168: Attributes for VARIANT-CHAR-ASSIGNS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Assigns variant characteristics.

20.5 VARIANT-CHAR-REF

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

Child elements none

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

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		

Description Reference to a variant characteristic.

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20.6 VARIANT-CHAR-VALUE

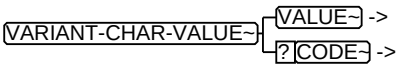

Figure 171: DTD-diagram for VARIANT-CHAR-VALUE

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

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

Table 170: Attributes for VARIANT-CHAR-VALUE

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description This element contains the value of a variant characteristic.

20.7 VARIANT-CHARS

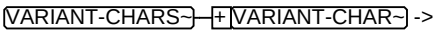

Figure 172: DTD-diagram for VARIANT-CHARS

Child elements **<variant-char>**

parent elements **<variant-spec>**

Table 171: Attributes for VARIANT-CHARS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description Definition of variant characteristics.

20.8 VARIANT-DEF

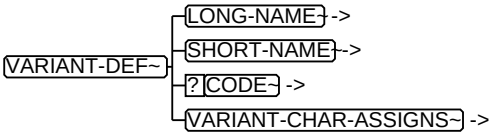

Figure 173: DTD-diagram for VARIANT-DEF

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		

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Table 172 (Cont.): Attributes for VARIANT-DEF

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description General definition of a variant.

20.9 VARIANT-DEFS

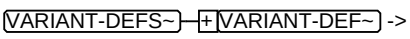

Figure 174: DTD-diagram for VARIANT-DEFS

Child elements **<variant-def>**

parent elements **<variant-spec>**

Table 173: Attributes for VARIANT-DEFS

Name	Type	Class	Value	Remark
[S]	cdata	implied		

Description General definitions of a variant.

20.10 VARIANT-SPEC

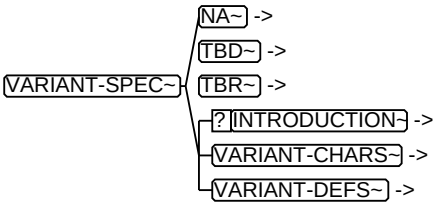

Figure 175: DTD-diagram for VARIANT-SPEC

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		

Description Specification of a variant.

20.11 VERBATIM

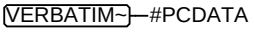

Figure 176: DTD-diagram for VERBATIM

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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>**

Table 175: Attributes for VERBATIM

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

Description Used to indicate if the text is to be picked up and laid down as it is. Typically, it implies the usage of a monospace font and the designated point size. All record ends are retained. The use of tabs in verbatim text may cause unexpected results and should therefore be avoided.

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21 XDOC ... XREF

21.1 XDOC

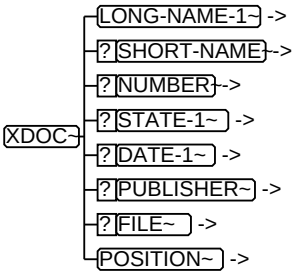

Figure 177: DTD-diagram for XDOC

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		

Description Specifies an external document which is not accessed by the SGML-System. The content of this external document is 'not included' in the document instance or presented in a report.

21.2 XFILE

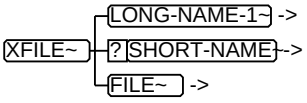

Figure 178: DTD-diagram for XFILE

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

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

Table 177: Attributes for XFILE

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

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Description Specifies an external file which is not accessed by the SGML-System. The content of this external file is 'not included' in the document instance or presented in a report.

21.3 XREF

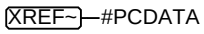

Figure 179: DTD-diagram for XREF

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]	nmtkgrp	required	CHAPTER CHG-OBJECT CHG-OBJECT-REVISION CHG-REQUEST COMPANY DEF-ITEM FIGURE FOR-MULA PRM SAMPLE STD TABLE TEAM-MEMBER TOP-IC VARIANT-CHAR VARIANT-DEF XDOC XFILE EXTERNAL	
[ID-REF]	idref	required		
[S]	cdata	implied		

Description Reference inside a paragraph to objects (elements with identifier) in the document. The type attribute classifies this reference into following classes: - figures - tables - external documents - parameters - standards - other For the output, the processing system will use this classes for difference presentation.

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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		

Description This element contains the ZIP of the used address.

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Documentadministration

Table : team members

Name	Company	
Dipl.-Ing.(FH) Uwe Bless	MSR MEDOC	
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Dipl.-Ing. Herbert Klein	MSR MEDOC	
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Table : version overview

Date	Publisher
2002-02-07	Dipl.-Ing. Roman Reimer
28.05.1999	Dipl.-Ing. Bernhard Weichel
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Table : modifications

Change	Related to
Create index, technical terms and reference. Convert to MSRREP V210 XML. Reason:	Content
initial release Reason:	Content
initial release Reason:	Content

Table : modifications included

Date	Chapter	Change	Related to
Nr. 1, 2002-02-07	Gesamt	Create index, technical terms and reference. Convert to MSRREP V210 XML. Reason:	Content
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