The DocBook Schema Version 5.1.1

Committee Specification Draft 01

09 June 2021

This stage:
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Technical Committee:
OASIS DocBook TC

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Additional artifacts:
This document is one component of a Work Product that also includes:
- RelaxNG schemas: https://docs.oasis-open.org/docbook/docbook/v5.1.1/csd01/schemas/rng/
- Schematron schemas: https://docs.oasis-open.org/docbook/docbook/v5.1.1/csd01/schemas/sch/
- https://docs.oasis-open.org/docbook/docbook/v5.1.1/csd01/schemas/catalog.xml
- https://docs.oasis-open.org/docbook/docbook/v5.1.1/csd01/schemas/docbook.nvdl

Related work:
This document replaces or supersedes:
- *DocBook Version 5.1*. Edited by Norman Walsh. 22 November 2016. OASIS Standard.
  http://docs.oasis-open.org/docbook/docbook/v5.1/os/docbook-v5.1-os.html. Latest stage:
  http://docs.oasis-open.org/docbook/docbook/v5.1/docbook-v5.1.html.

Abstract:
Schematron tools do not work with DocBook 5.1. This DocBook 5.1.1 specification is updated with the new Schematron rules so users can continue using DocBook 5.1 if they need to use newer Schematron tools.

Status:
This document was last revised or approved by the OASIS DocBook TC on the above date. The level of approval is also listed above. Check the "Latest stage" location noted above for possible later revisions of this document. Any other numbered Versions and other technical work produced by the Technical Committee (TC) are listed at https://www.oasis-open.org/committees/tc_home.php?wg_abbrev=docbook#technical.

TC members should send comments on this specification to the TC's email list. Others should send comments to the TC by using the "Send A Comment" button on the TC's web page at https://www.oasis-open.org/committees/docbook/.

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Key words:
The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "NOT RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in BCP 14 [RFC2119] and [RFC8174] when, and only when, they appear in all capitals, as shown here.

Citation format:
When referencing this document, the following citation format should be used:

[DocBook-v5.1.1]

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Table of Contents

1 Introduction

DocBook is a general purpose XML schema particularly well suited to books and papers about computer hardware and software (although it is by no means limited to these applications).

The DocBook Technical Committee **[DocBookTC]** maintains the DocBook schema. Starting with V5.0, DocBook is normatively available as a **[Relax NG]** Schema with some additional Schematron assertions. DocBook Version 5.1 **[DocBook-5.1]** was released as a Committee Specification on 11 November 2015.

The most recent Schematron tools do not work with **[DocBook-5.1]**. This DocBook 5.1.1 specification is updated with the new Schematron rules so users can continue using DocBook 5.1 if they need to use newer Schematron tools. No changes were made to DocBook elements, attributes, or content models. So any document that conformed to DocBook 5.1 will still conform to DocBook 5.1.1.

This document describes only the changes that were made to DocBook Version 5.1 to bring it into conformance with the new Schematron version. For other information about DocBook Version 5.1 and how it differs from previous versions, see the OASIS Standards document for **[DocBook-5.1]**.

2 Schematron changes

Certain title elements in the Schematron rules in **[DocBook-5.1]** had the wrong namespace prefix. This update fixes those elements to use the correct namespace.

2.1 Add correct namespace prefix to Schematron title elements

In the RelaxNG files such as docbook.rnc, there are 119 instances of a Schematron rule to ensure that a DocBook element used as a root element in a document has a version attribute. In **[DocBook-5.1]** those rules used the wrong namespace prefix rng: for the Schematron title element:

```
rng:title [ "Root must have version" ]
```

In all 119 instances, these were changed in this updated version to the correct s: namespace prefix :

```
s:title [ "Root must have version" ]
```

3 Conformance

Since the <s:title> in Schematron assertions is not necessary for validating DocBook document instances, this change will not require any changes to the conformance rules for existing DocBook documents. So the Conformance section of the DocBook 5.1 **[DocBook-5.1]** standard is unchanged.

Appendix A. References

This appendix contains the normative and informative references that are used in this document. Normative references are specific (identified by date of publication and/or edition number or Version number) and Informative references are either specific or non-specific.

While any hyperlinks included in this appendix were valid at the time of publication, OASIS cannot guarantee their long term validity.

A.1 Normative References

The following documents are referenced in such a way that some or all of their content constitutes requirements of this document.

[RFC2119]
Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, DOI 10.17487/RFC2119, March 1997, <http://www.rfc-editor.org/info/rfc2119>.

[RFC8174]
Leiba, B., "Ambiguity of Uppercase vs Lowercase in RFC 2119 Key Words", BCP 14, RFC 8174, DOI 10.17487/RFC8174, May 2017, <http://www.rfc-editor.org/info/rfc8174>.

[Docbook-5.0] *The DocBook Schema Version 5.0*. Edited by Norman Walsh. 1 November 2009, OASIS Standard. http://docs.oasis-open.org/docbook/specs/docbook-5.0-spec-os.html

[DocBook-5.1] *DocBook Version 5.1.* Edited by Normal Walsh. 22 November 2016, OASIS Standard. http://docs.oasis-open.org/docbook/docbook/v5.1/os/docbook-v5.1-os.html

[Schematron2016] *ISO/IEC 19757-3:2016 Information Technology—Document Schema Definition Language (DSDL)—Part 3: Rule-based validation—Schematron* Publicly available at: http://standards.iso.org/ittf/PubliclyAvailableStandards/c055982_ISO_IEC_19757-3_2016.zip.

[RelaxNG] ISO/IEC 19757-2:2008 Information Technology—Document Schema Definition Language (DSDL)—Part 2: Regular-grammar-based validation—RELAX NG [http://www.iso.org/iso/home/*store/catalogue_tc/catalogue_detail.htm?csnumber=52348]*. Publicly available at: *http://standards.iso.org/ittf/PubliclyAvailableStandards/c052348_ISO_IEC_19757-2_2008(E).zip*.

A.2 Informative References

The following referenced documents are not required for the application of this document but may assist the reader with regard to a particular subject area.

[DocBookTC] OASIS Open DocBook Technical Committee, https://www.oasis-open.org/committees/docbook/.

Appendix B. Security and Privacy Considerations

There are no security or privacy considerations in this update.

Appendix C. Acknowledgments

C.1 Special Thanks

Substantial assistance to this document from the following individuals is gratefully acknowledged:

Norman Walsh, non-TC member.

C.2 Participants

The following individuals were members of this Technical Committee during the creation of this document and their contributions are gratefully acknowledged:

Robert Stayton, Individual Member.
Scott Hudson, ServiceNow.

Appendix D. Revision History

Revisions made since the initial stage of this numbered Version of this document may be tracked here.

Revision	Date	Editor	Changes Made
[Rev number]	[Rev Date]	[Modified By]	[Summary of Changes]

Appendix E. Notices

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