

Data Model for Lexicography (DMLex) Version 1.0

Working Draft 01

20 November 2020

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* <http://docs.oasis-open.org/lexidma/ns/dmlex-1.0/>

Abstract:

This specification defines a data model in support of the high priority technical goals described in the LEXIDMA TC's charter, including:

* Serialization independent Data Model for Lexicography (DMLex)
* XML serialization of DMLex
* JSON serialization of DMLex
* RDF serialization of DMLex
* Informative Ontolex-Lemon mapping
* Informative TEI Lex-0 mapping

Status:

This document was last revised or approved by the LEXIDMA TC on the above date. The level of approval is also listed above. Check the "Latest version" 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=lexidma#technical>.

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Note that any machine-readable content ([Computer Language Definitions](https://www.oasis-open.org/policies-guidelines/tc-process#wpComponentsCompLang)) declared Normative for this Work Product is provided in separate plain text files. In the event of a discrepancy between any such plain text file and display content in the Work Product's prose narrative document(s), the content in the separate plain text file prevails.

Key words:

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Alternative ISO key words description:

Within the normative text of this document, the terms "shall", "shall not", "should", "should not", "may", "may not", "can", and "cannot" are to be interpreted as described in "Verbal forms for expressions of provisions", Clause 7 of [[ISO/IEC Directives](#ISO_IEC_Directives)].

Citation format:

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

[DMLex-v1.0]

*Data Model for Lexicography (DMLex) Version 1.0*. Edited by David Filip and Simon Krek. 20 November 2020. OASIS Committee Specification Draft 01. <https://docs.oasis-open.org/lexidma/dmlex/v1.0/csd01/dmlex-v1.0-csd01.html>. Latest version: <https://docs.oasis-open.org/lexidma/dmlex/v1.0/dmlex-v1.0.html>.

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# Introduction

[All text is normative unless otherwise labeled]

## Changes from earlier Versions

This section provides a description of significant differences from previously published, differently numbered Versions of this specification, if any. (Detailed revision history of this numbered Version should be tracked in an Appendix.)

## Glossary

### Definitions of terms

### Acronyms and abbreviations

### Document conventions

* Naming conventions
* Font colors and styles
* Typographical conventions

# Section Title

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## Level 2 section title

text

### Level 3 section title

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#### Level 4 section title

text

##### Level 5

Text

###### Level 6

Text

# Conformance

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For the definition of "conformance clause," see [OASIS Defined Terms](https://www.oasis-open.org/policies-guidelines/oasis-defined-terms-2017-05-26#dConformanceClause).

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Note: Any normative work cited in the body of the text as needed to implement the work product must be listed in the Normative References section below. Each reference to a separate document or artifact in this work must be listed here and must be identified as either a Normative or an Informative Reference.

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For example:

**[OpenDoc-1.2]**

Open Document Format for Office Applications (OpenDocument) Version 1.2. Edited by Patrick Durusau and Michael Brauer. 19 January 2011. OASIS Committee Specification Draft 07. https://docs.oasis-open.org/office/v1.2/csd07/OpenDocument-v1.2-csd07.html. Latest version: https://docs.oasis-open.org/office/v1.2/OpenDocument-v1.2.html.

Reference sources:

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For references to W3C Recommendations, use the approved citation formats at:

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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.

* 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>>.

[ISO/IEC Directives] (Only used if ISO/IEC Key words are elected in front pages)

ISO/IEC Directives, Part 2 (Eighth edition) *Principles and rules for the structure and drafting of ISO and IEC documents*, International Organization for Standardization and International Electrotechnical Commission, 2018. <https://www.iso.org/sites/directives/current/part2/index.xhtml>.

[Reference]

[Full reference citation]

* 1. 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.

[RFC3552]

Rescorla, E. and B. Korver, "Guidelines for Writing RFC Text on Security Considerations", BCP 72, RFC 3552, DOI 10.17487/RFC3552, July 2003, <https://www.rfc-editor.org/info/rfc3552>.

[Reference]

[Full reference citation]

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While it may not be immediately obvious how your work product might make systems vulnerable to attack, most work products, because they involve communications between systems, message formats, or system settings, open potential channels for exploit. For example, IETF [[RFC3552](#RFC3552)] lists “eavesdropping, replay, message insertion, deletion, modification, and man-in-the-middle” as well as potential denial of service attacks as threats that must be considered and, if appropriate, addressed in IETF RFCs.

In addition to considering and describing foreseeable risks, this section should include guidance on how implementers and adopters can protect against these risks.

We encourage editors and TC members concerned with this subject to read Guidelines for Writing RFC Text on Security Considerations, IETF [[RFC3552](#RFC3552)], for more information.

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## Special Thanks

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Substantial contributions to this document from the following individuals are gratefully acknowledged:

[Participant Name, Affiliation | Individual Member]

## Participants

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

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Note: If revision tracking is handled in another system like github, provide a link to it instead of using this table, if desired. Remove this note before submitting for publication.

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

1. Example Title

Additional Appendixes may be added as needed:

* IANA Considerations
  1. Subsidiary section

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Text

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