

# [MS-CTDOC]:

## Word Custom Toolbar Binary File Format

---

### Intellectual Property Rights Notice for Open Specifications Documentation

- **Technical Documentation.** Microsoft publishes Open Specifications documentation (“this documentation”) for protocols, file formats, data portability, computer languages, and standards support. Additionally, overview documents cover inter-protocol relationships and interactions.
- **Copyrights.** This documentation is covered by Microsoft copyrights. Regardless of any other terms that are contained in the terms of use for the Microsoft website that hosts this documentation, you can make copies of it in order to develop implementations of the technologies that are described in this documentation and can distribute portions of it in your implementations that use these technologies or in your documentation as necessary to properly document the implementation. You can also distribute in your implementation, with or without modification, any schemas, IDLs, or code samples that are included in the documentation. This permission also applies to any documents that are referenced in the Open Specifications documentation.
- **No Trade Secrets.** Microsoft does not claim any trade secret rights in this documentation.
- **Patents.** Microsoft has patents that might cover your implementations of the technologies described in the Open Specifications documentation. Neither this notice nor Microsoft's delivery of this documentation grants any licenses under those patents or any other Microsoft patents. However, a given Open Specifications document might be covered by the Microsoft [Open Specifications Promise](#) or the [Microsoft Community Promise](#). If you would prefer a written license, or if the technologies described in this documentation are not covered by the Open Specifications Promise or Community Promise, as applicable, patent licenses are available by contacting [iplg@microsoft.com](mailto:iplg@microsoft.com).
- **License Programs.** To see all of the protocols in scope under a specific license program and the associated patents, visit the [Patent Map](#).
- **Trademarks.** The names of companies and products contained in this documentation might be covered by trademarks or similar intellectual property rights. This notice does not grant any licenses under those rights. For a list of Microsoft trademarks, visit [www.microsoft.com/trademarks](http://www.microsoft.com/trademarks).
- **Fictitious Names.** The example companies, organizations, products, domain names, email addresses, logos, people, places, and events that are depicted in this documentation are fictitious. No association with any real company, organization, product, domain name, email address, logo, person, place, or event is intended or should be inferred.

**Reservation of Rights.** All other rights are reserved, and this notice does not grant any rights other than as specifically described above, whether by implication, estoppel, or otherwise.

**Tools.** The Open Specifications documentation does not require the use of Microsoft programming tools or programming environments in order for you to develop an implementation. If you have access to Microsoft programming tools and environments, you are free to take advantage of them. Certain Open Specifications documents are intended for use in conjunction with publicly available standards specifications and network programming art and, as such, assume that the reader either is familiar with the aforementioned material or has immediate access to it.

**Support.** For questions and support, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com).

## Revision Summary

Date	Revision History	Revision Class	Comments
6/27/2008	1.0	New	First release
11/14/2008	1.01	Minor	Revised and edited the technical content
1/16/2009	1.02	Minor	Updated the Intellectual Property Rights Notice
7/13/2009	1.03	Major	Revised and edited the technical content
8/28/2009	1.04	Editorial	Revised and edited the technical content
11/6/2009	1.05	Editorial	Revised and edited the technical content
2/19/2010	2.0	Editorial	Revised and edited the technical content
3/31/2010	2.01	Editorial	Revised and edited the technical content
4/30/2010	2.02	Editorial	Revised and edited the technical content
6/7/2010	2.03	Editorial	Revised and edited the technical content
6/29/2010	2.04	Editorial	Changed language and formatting in the technical content.
7/23/2010	2.04	None	No changes to the meaning, language, or formatting of the technical content.
9/27/2010	2.04	None	No changes to the meaning, language, or formatting of the technical content.
11/15/2010	2.04	None	No changes to the meaning, language, or formatting of the technical content.
12/17/2010	2.04	None	No changes to the meaning, language, or formatting of the technical content.
3/18/2011	2.04	None	No changes to the meaning, language, or formatting of the technical content.
6/10/2011	2.04	None	No changes to the meaning, language, or formatting of the technical content.
1/20/2012	2.5	Minor	Clarified the meaning of the technical content.
4/11/2012	2.5	None	No changes to the meaning, language, or formatting of the technical content.
7/16/2012	2.5	None	No changes to the meaning, language, or formatting of the technical content.
10/8/2012	2.5	None	No changes to the meaning, language, or formatting of the technical content.
2/11/2013	2.5	None	No changes to the meaning, language, or formatting of the technical content.
7/30/2013	2.5	None	No changes to the meaning, language, or formatting of the technical content.
11/18/2013	2.5	None	No changes to the meaning, language, or formatting of the technical content.

<b>Date</b>	<b>Revision History</b>	<b>Revision Class</b>	<b>Comments</b>
2/10/2014	2.5	None	No changes to the meaning, language, or formatting of the technical content.
4/30/2014	2.6	Minor	Clarified the meaning of the technical content.
7/31/2014	2.7	Minor	Clarified the meaning of the technical content.
10/30/2014	2.7	None	No changes to the meaning, language, or formatting of the technical content.
3/16/2015	3.0	Major	Significantly changed the technical content.
9/4/2015	3.0	None	No changes to the meaning, language, or formatting of the technical content.
7/15/2016	3.0	None	No changes to the meaning, language, or formatting of the technical content.
9/14/2016	3.0	None	No changes to the meaning, language, or formatting of the technical content.
10/30/2017	3.0	None	No changes to the meaning, language, or formatting of the technical content.
4/27/2018	4.0	Major	Significantly changed the technical content.
8/28/2018	5.0	Major	Significantly changed the technical content.
4/22/2021	6.0	Major	Significantly changed the technical content.
8/17/2021	7.0	Major	Significantly changed the technical content.
4/16/2024	8.0	Major	Significantly changed the technical content.

# Table of Contents

<b>1</b>	<b>Introduction</b>	<b>5</b>
1.1	Glossary	5
1.2	References	5
1.2.1	Normative References	5
1.2.2	Informative References	6
1.3	Overview	6
1.4	Relationship to Protocols and Other Structures	6
1.5	Applicability Statement	6
1.6	Versioning and Localization	6
1.7	Vendor-Extensible Fields	6
<b>2</b>	<b>Structures</b>	<b>7</b>
2.1	Toolbar Data	7
2.2	Toolbar Control Data	7
<b>3</b>	<b>Structure Examples</b>	<b>8</b>
<b>4</b>	<b>Security Considerations</b>	<b>9</b>
<b>5</b>	<b>Appendix A: Product Behavior</b>	<b>10</b>
<b>6</b>	<b>Change Tracking</b>	<b>11</b>
<b>7</b>	<b>Index</b>	<b>12</b>

# 1 Introduction

This document specifies the Word Custom Toolbar Binary File Format Structure data used by the toolbar customization structures specified in [\[MS-DOC\]](#) and [\[MS-OSHARED\]](#). Toolbar customization structures provide a run-time solution for the creation and deployment of toolbar customizations that are specific to the content of a file.

Sections 1.7 and 2 of this specification are normative. All other sections and examples in this specification are informative.

## 1.1 Glossary

This document uses the following terms:

**custom toolbar:** A type of toolbar that contains a user-defined set of controls and is not included in an application by default. A custom toolbar has a toolbar identifier value of "1".

**custom toolbar control:** A user-defined control that can be added to a toolbar. A custom toolbar control has a **toolbar control identifier (TCID)** value of "1" and can be one of the following types of controls: ActiveX, Button, ComboBox, DropDown, Edit, or Popup.

**toolbar:** A row, column, or block of controls that represent tasks or commands within an application. A toolbar can be either a menu toolbar, which provides access to menu commands, or a basic toolbar, which contains buttons that provide shortcuts to tasks that are frequently accessed from menus.

**toolbar control:** An object that appears on a toolbar and enables user interaction or input, typically to initiate an action, display information, or set values.

**toolbar control identifier (TCID):** An integer that identifies a specific control on a toolbar.

**toolbar delta:** A file component that stores a modification that a user made to a built-in toolbar. Stored modifications include adding, changing, or removing a control from a built-in toolbar.

**MAY, SHOULD, MUST, SHOULD NOT, MUST NOT:** These terms (in all caps) are used as defined in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

## 1.2 References

Links to a document in the Microsoft Open Specifications library point to the correct section in the most recently published version of the referenced document. However, because individual documents in the library are not updated at the same time, the section numbers in the documents may not match. You can confirm the correct section numbering by checking the [Errata](#).

### 1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com). We will assist you in finding the relevant information.

[MS-DOC] Microsoft Corporation, "[Word \(.doc\) Binary File Format](#)".

[MS-OSHARED] Microsoft Corporation, "[Office Common Data Types and Objects Structures](#)".

[MSDN-TBID/Word] Microsoft Corporation, "Word Toolbar IDs Table", Excerpted from MS-CTDOC, [WordTBIDTable.txt](#)

[MSDN-TCID/Word] Microsoft Corporation, "Word Toolbar Control IDs Table", Excerpted from MS-CTDOC, [WordTCIDTable.txt](#)

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

## 1.2.2 Informative References

None.

## 1.3 Overview

This document specifies the Toolbar Data table and the Toolbar Control Data table which are defined in [\[MSDN-TBID/Word\]](#) and [\[MSDN-TCID/Word\]](#). The Toolbar Data table and the Toolbar Control Data table are used by the Toolbar Customization structures specified in [\[MS-DOC\]](#) and [\[MS-OSHARED\]](#).

## 1.4 Relationship to Protocols and Other Structures

The toolbar data presented in section [2.1](#) of this document is used by the **TBCMenuSpecific** structure, as described in [\[MS-OSHARED\]](#) section 2.3.1.21 and by the **Customization** structure, as described in [\[MS-DOC\]](#) section 2.9.50.

The toolbar control data presented in section [2.2](#) of this document is used by the **TBCHeader** and **TBCSFlags** structures, as described in [\[MS-OSHARED\]](#) section 2.3.1.

## 1.5 Applicability Statement

The **toolbar** information presented in section [2.1](#) of this document is intended to be used in conjunction with the toolbar customization structures, as described in [\[MS-DOC\]](#) and [\[MS-OSHARED\]](#). It provides the association between a built-in toolbar, a **toolbar control**, a **custom toolbar**, and a **toolbar delta**.

The toolbar control information presented in section [2.2](#) of this document is intended to be used in conjunction with the toolbar customization structures, as described in [\[MS-OSHARED\]](#) section 2.3.1. It provides the values for the **tcid** field of the **TBCHeader** structure, as described in [\[MS-OSHARED\]](#) section 2.3.1.10 and the values for several fields of the **TBCSFlags** structure, as described in [\[MS-OSHARED\]](#) section 2.3.1.12, which are used by built-in toolbar controls with a specific **toolbar control identifier (TCID)**.

## 1.6 Versioning and Localization

None.

## 1.7 Vendor-Extensible Fields

None.

## 2 Structures

### 2.1 Toolbar Data

The Toolbar Data table [\[MSDN-TBID/Word\]](#) contains toolbar data used by the **TBCMenuSpecific** structure, as specified in [\[MS-OSHARED\]](#) section 2.3.1.21 and by the **Customization** structure, as specified in [\[MS-DOC\]](#) section 2.9.50.

The TBID column of the Toolbar Data table contains a list of values for the **tbid** field of the **TBCMenuSpecific** structure, as specified in [\[MS-OSHARED\]](#) section 2.3.1.21 and for the **tbidForTBD** field of the **Customization** structure, as specified in [\[MS-DOC\]](#) section 2.9.50. The Meaning column contains a short description of the **toolbar** associated to a specific toolbar identifier.

### 2.2 Toolbar Control Data

The Toolbar Control Data table [\[MSDN-TCID/Word\]](#) contains toolbar control data used by the **TBCHeader** and **TBCSFlags** structures, as specified in [\[MS-OSHARED\]](#) section 2.3.1.

The TCID column of the Toolbar Control Data table specifies the list of values that the **tcid** field of the **TBCHeader** structure specified in [\[MS-OSHARED\]](#) section 2.3.1 MUST have if the **toolbar control** is not a **custom toolbar control**. The value of the **tcid** field of the **TBCHeader** structure specified in [\[MS-OSHARED\]](#) section 2.3.1 MAY also equal 4177. The TCT column specifies the toolbar control type as specified by the **tct** field of the **TBCHeader** structure, as specified in [\[MS-OSHARED\]](#) section 2.3.1.10 for the **tcid**. The Meaning column contains a short description for the **tcid**.

### 3 Structure Examples

None.



## 4 Security Considerations

None.

## 5 Appendix A: Product Behavior

The information in this specification is applicable to the following Microsoft products or supplemental software. References to product versions include updates to those products.

- Microsoft Word 97
- Microsoft Word 2000
- Microsoft Word 2002
- Microsoft Office Word 2003
- Microsoft Office Word 2007
- Microsoft Word 2010
- Microsoft Word 2013
- Microsoft Word 2016
- Microsoft Word 2019
- Microsoft Word 2021
- Microsoft Word 2024 Preview

Exceptions, if any, are noted in this section. If an update version, service pack or Knowledge Base (KB) number appears with a product name, the behavior changed in that update. The new behavior also applies to subsequent updates unless otherwise specified. If a product edition appears with the product version, behavior is different in that product edition.

Unless otherwise specified, any statement of optional behavior in this specification that is prescribed using the terms "SHOULD" or "SHOULD NOT" implies product behavior in accordance with the SHOULD or SHOULD NOT prescription. Unless otherwise specified, the term "MAY" implies that the product does not follow the prescription.

## 6 Change Tracking

This section identifies changes that were made to this document since the last release. Changes are classified as Major, Minor, or None.

The revision class **Major** means that the technical content in the document was significantly revised. Major changes affect protocol interoperability or implementation. Examples of major changes are:

- A document revision that incorporates changes to interoperability requirements.
- A document revision that captures changes to protocol functionality.

The revision class **Minor** means that the meaning of the technical content was clarified. Minor changes do not affect protocol interoperability or implementation. Examples of minor changes are updates to clarify ambiguity at the sentence, paragraph, or table level.

The revision class **None** means that no new technical changes were introduced. Minor editorial and formatting changes may have been made, but the relevant technical content is identical to the last released version.

The changes made to this document are listed in the following table. For more information, please contact [dochelp@microsoft.com](mailto:dochelp@microsoft.com).

Section	Description	Revision class
<a href="#">5</a> Appendix A: Product Behavior	Updated list of supported products.	Major

## 7 Index

### A

[Applicability](#) 6

### C

[Change tracking](#) 11

### D

Details

[Toolbar Control Data table](#) 7

[Toolbar Data table](#) 7

### E

[Example](#) 8

[Examples](#) 8

### F

[Fields - vendor-extensible](#) 6

### G

[Glossary](#) 5

### I

[Implementer - security considerations](#) 9

[Informative references](#) 6

[Introduction](#) 5

### L

[Localization](#) 6

### N

[Normative references](#) 5

### O

[Overview \(synopsis\)](#) 6

### P

[Product behavior](#) 10

### R

[References](#) 5

[informative](#) 6

[normative](#) 5

[Relationship to protocols and other structures](#) 6

### S

[Security - implementer considerations](#) 9

Structures

[Toolbar Control Data table](#) 7

[Toolbar Data table](#) 7

### T

[Toolbar Control Data table](#) 7

[Toolbar Data table](#) 7

[Tracking changes](#) 11

### V

[Vendor-extensible fields](#) 6

[Versioning](#) 6