# W3C Internal Links

## W3C Documents

Parsing the XML Schema primer and specs at:

[XML Schema Part 0: Primer](https://www.w3.org/TR/2004/REC-xmlschema-0-20041028/primer.html)

[XML Schema Part 1: Structures](https://www.w3.org/TR/2004/REC-xmlschema-1-20041028/structures.html)

[XML Schema Part 2: Datatypes](https://www.w3.org/TR/2004/REC-xmlschema-2-20041028/datatypes.html)

## Internal links in MS Word

An internal link, in a MS document, is implemented with a **bookmark**.

A bookmark is created on the target location, it has a *name*, with some constraints (no special characters, max 40 characters).

A hyperlink that references a bookmark can be created anywhere, it will need the *bookmark name*, and it also has its own *link text*, the part of the document that is *active* as a link, and that MS Word styles in a specific way (blue, underlined).

## Different kinds of internal references in W3C documents

We find many different kinds of internal links in the W3C documents. The links are established by matching the **ref** or **def** attribute on the reference element to the **id** attribute on the target.

We use the common value of the **id** and (**ref** or **def**) attributes as the *bookmark name*.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Reference element** | **Target identification** | **Target** | **Identifier** | **Link text in the reference** | **Tgt?** |
| <specref> | "**ref**" attribute | <div> element | "**id**" attribute | The <div> element has a <head> child element, whose text content is used as the heading text in the <div>; that same text is used as the ***link text***. | Yes |
|  |  | <p> element | "**id**" attribute | The target paragraph's section number (e.g., §2.7). This is not in the XML text. | No  **(\*)** |
|  |  | <schemaComp> | "**id**" attribute | The <schemaComp> element has a <head> child element, whose text content is used as the table heading/title; that same text, concatenated with the section number, is used as the ***link text***. | Yes |
|  |  | <constraintnote> | "**id**" attribute | The <constraintnote> element has a <head> child element, whose text content is used as the table heading/title; that same text, concatenated with the section number, is used as the ***link text***. | Yes |
|  |  | <note> | "**id**" attribute | The target paragraph's section number (e.g., §3.4.6). This is not in the XML text. | No  **(\*)** |
| <bibref> | "**ref**" attribute | <bibl> | "**id**" attribute | **[***key\_value***]**, where *key\_value* is the value of the **key** attribute on the <bibl> element. | Yes |
| <termref> | "**def**" attribute | <termdef> | "**id**" attribute | The <termref> element's inner *text* is the ***link text***. | No |

**(\*)** Note that if we do want to use the section number as link text, we will need info from the target.

**TBD: enforcing bookmark name rules, who/where ?**

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