### Revisions

Revisions in WordprocessingML provide a mechanism for storing information about the evolution of the document (i.e. the set of modifications made to a document by one of more authors). When an application adds revisions to the content of a WordprocessingML document, they are specifying this by storing either (depending on the revision type):

* The current state of the document (a deletion stores the current state of the text as deleted, and implies that its original state was the content used to exist)
* The initial state of the document (a run's initial properties are explicitly stored in a previous run properties block, as the current run properties are always those that are the child of the [rPr](rPr.docx) element (§))

A revision consists of two required pieces of information:

* The revision [type](type.docx) (specified via the name of the revision element)
* A unique revision identifier (used to uniquely identify revisions)

As well as optional information:

* The author of the revision
* The date and time of the revision

[Example: Consider a paragraph of text in a WordprocessingML document in which one word has been inserted, as follows:



This paragraph has the word text marked inserted as a revision, and is represented as the following WordprocessingML:

<w:[p](p.docx)>

<w:[r](r.docx)>

<w:[t](t.docx)>Some</w:[t](t.docx)>

</w:[r](r.docx)>

<w:[ins](ins.docx) w:[id](id.docx)="0" w:author="Joe Smith" w:date="2006-03-31T12:50:00Z">

<w:[r](r.docx)>

<w:[t](t.docx)>text</w:[t](t.docx)>

</w:[r](r.docx)>

</w:[ins](ins.docx)>

</w:[p](p.docx)>

The [ins](ins.docx) element contains both the required information: all of the content which shall be treated as revision marked as inserted (the word text); a unique revision identifier of 0.

The element also stores the optional information about the revision: the word text was inserted by Joe Smith on March 31, 2006 at 12:50pm. end example]

Within a WordprocessingML document, the following types of revisions may be used to track the changes to a document:

* Insertions
* Deletions
* Moves
* Changes to run/paragraph/[table](table.docx)/[numbering](numbering.docx)/section properties
* Changes to custom [XML](XML.docx) markup