To Part 1, subclause 17.3.2.43:

17.3.2.43   w (Expanded/Compressed Text)

This element specifies the amount by which each character shall be expanded or when the character is rendered in the document. This property has an of stretching or compressing each character in the run, as opposed to the spacing element (§**Error! Reference source not found.**) which expands/compresses the text by adding additional character pitch but not changing the width of the actual characters displayed on the line.

If this element is not present, the default value is to leave the formatting applied at previous level in the *style hierarchy*. If this element is never applied in the style hierarchy, then the run shall be displayed at 100% of its normal width.

[*Example*: Consider a run of text which must be expanded to 200% of its normal width when displaying each character within the contents of the run. This constraint is specified using the following WordprocessingML:

```
<w:rPr>
  <w:w w:val="200%"/>
</w:rPr>
```

This run explicitly declares that the w value is 200%, so the contents of this run appear at 200% of their normal character width by stretching the width of each character. *end example*]

Parent Elements
rPr (§**Error! Reference source not found.**); rPr (§**Error! Reference source not found.**); rPr (§**Error! Reference source not found.**); rPr (§**Error! Reference source not found.**); rPr (§**Error! Reference source not found.**); rPr (§**Error! Reference source not found.**); rPr (§**Error! Reference source not found.**); rPr (§**Error! Reference source not found.**); rPr (§**Error! Reference source not found.**); rPr (§**Error! Reference source not found.**)

Attributes	Description
val (Text Expansion/Compres sion Value)	Specifies that the percentage by which the contents of this run shall be expanded or compressed with respect to its normal (100%) character width.
	If this attribute is omitted, then the contents of this run shall be displayed at 100% of its normal size.
	[*Example*: Consider a run of text which must be compressed to 200% when displaying each character within the contents of the run. This constraint is specified using the following WordprocessingML:

	`<w:rPr>`
	`  <w:w w:val="50%"/>`
	`</w:rPr>`

	This run explicitly declares that the w value is 50%, so the contents of this run appear at 50% of their normal character width by compressing the width of each character. *end*

Attributes	Description
	example]
	The possible values for this attribute are defined by the ST_TextScale simple type (§17.18.95).

[*Note*: The W3C XML Schema definition of this element's content model (CT_TextScale) is located in §**Error! Reference source not found.**. *end note*]

To Part 1, subclause 17.18.95:

17.18.95 ST_TextScale (Text Expansion/Compression Percentage)

This simple type specifies that the percentage by which the contents of a run shall be expanded or compressed with respect to its normal (100%) character width, with a minimum width of 1% and maximum width of 600%.

[*Example*: Consider a run of text which must be compressed to 200% when displaying each character within the contents of the run. This constraint is specified using the following WordprocessingML:

```
<w:rPr>
  <w:w w:val="50%"/>
</w:rPr>
```
This run explicitly declares that the w value is 50%, so the contents of this run appear at 50% of their normal character width by compressing the width of each character. *end example*]

This simple type's contents are a restriction of the W3C XML Schema integer datatype. is a union of the following types:

- The ST_TextScalePercent simple type (§NEW).

This simple type also specifies the following restrictions:

- This simple type has a minimum value of greater than or equal to 0.
- This simple type has a maximum value of less than or equal to 600.

Referenced By
w@val (§0)

[*Note*: The W3C XML Schema definition of this simple type's content model (ST_TextScale) is located in §**Error! Reference source not found.**. *end note*]

To a new subclause in Part 1, Section 17.18:

17.18.xx   ST_TextScalePercent (Text Expansion/Compression Percentage)

This simple type specifies that the percentage by which the contents of a run shall be expanded or compressed with respect to its normal (100%) character width, with a minimum width of 1% and maximum width of 600%.

[*Example*: Consider a run of text which must be compressed to 200% when displaying each character within the contents of the run. This constraint is specified using the following WordprocessingML:

```
<w:rPr>
  <w:w w:val="50%"/>
</w:rPr>
```

This run explicitly declares that the w value is 50%, so the contents of this run appear at 50% of their normal character width by compressing the width of each character. *end example*]

This simple type also specifies the following restrictions:

- This simple type's contents shall match the following regular expression pattern: 0*(600|([0-5]?[0-9]?[0-9]))%.

Referenced By
ST_TextScale (§17.18.95)

[*Note*: The W3C XML Schema definition of this simple type's content model (ST_TextScalePercent) is located in §**Error! Reference source not found.**. *end note*]

To Part 1, subclause A.1:

```
    <xsd:simpleType name="ST_TextScale">
        <xsd:union memberTypes="ST_TextScalePercent"/>
        <xsd:restriction base="xsd:integer">
            <xsd:minInclusive value="0"/>
            <xsd:maxInclusive value="600"/>
        </xsd:restriction>
    </xsd:simpleType>
    <xsd:simpleType name="ST_TextScalePercent">
        <xsd:pattern value="0*(600|([0-5]?[0-9]?[0-9]))%"/>
    </xsd:simpleType>
```

To Part 4, a new subclause in 9.10:

9.10.xx   Additional member types for the union in ST_TextScale (Part 1, §17.18.95)

The value space of the following additional member types can be used within the context of this simple type for a document of a transitional conformance class.

- The ST_TextScaleDecimal simple type (§NEW).

To Part 4, a new subclause in 9.10:

9.10.xx ST_TextScaleDecimal (Text Expansion/Compression Percentage)

This simple type specifies that the percentage by which the contents of a run shall be expanded or compressed with respect to its normal (100%) character width, with a minimum width of 1% and maximum width of 600%.

[*Example*: Consider a run of text which must be expanded to 300% when displaying each character within the contents of the run. This constraint is specified using the following WordprocessingML:

```
<w:rPr>
  <w:w w:val="300"/>
</w:rPr>
```

This run explicitly declares that the w value is 300, so the contents of this run appear at 300% of their normal character width by expanding the width of each character. *end example*]

This simple type's contents are a restriction of the W3C XML Schema integer datatype.

This simple type also specifies the following restrictions:

- This simple type has a minimum value of greater than or equal to 0.
- This simple type has a maximum value of less than or equal to 600.

Referenced By
ST_TextScale (§17.18.95)

To Part 4, subclause A.1:

```
<xsd:simpleType name="ST_TextScale">
    <xsd:union memberTypes="ST_TextScalePercent ST_TextScaleDecimal"/>
        <xsd:restriction base="xsd:integer">
            <xsd:minInclusive value="0"/>
            <xsd:maxInclusive value="600"/>
        </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="ST_TextScalePercent">
    <xsd:pattern value="0*(600|([0-5]?[0-9]?[0-9]))%"/>
</xsd:simpleType>
<xsd:simpleType name="ST_TextScaleDecimal">
    <xsd:restriction base="xsd:integer">
        <xsd:minInclusive value="0"/>
        <xsd:maxInclusive value="600"/>
    </xsd:restriction>
</xsd:simpleType>
```