

# **DASC e-doc xml Print File v1.0**

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## **Reference Manual**

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## Semi-formal Description

The following description condenses the full print file tag summary.

`e-doc printfile` ::= `e-doc`

`e-doc` ::= `ref`\* |  
`code`\*

`ref` ::= `docform`\* |  
`graph`\* |  
`font`\*

`code` ::= `page`\*

`page` ::= `d`\* |  
`g`\* |  
`b`\* |  
`l`\* |  
`t`\* |  
`n`\* |  
`m`\*

`m` ::= `mt`\*

## e-doc printfile

### e-doc printfile

**e-doc printfile** complies with the World Wide Web Consortium (W3C) recommendation - Extensible Markup Language (XML) 1.0 specification. The top level element of an **e-doc printfile** is an `<e-doc>`. The **e-doc printfile** starts with header comments which contain the print file version, file name, document description, and remarks. The last part of the **e-doc printfile** is the summary and statistics comments. A sample is shown below.

```
<!-- *** DASC e-doc xml Print File v1.0 *** -->
<!-- Zip File: ABC_20030928.zip -->
<!-- Filename: ABC_20030928.xml -->
<!-- SoA Type: ABC Statement of Account -->
<!-- SoA Date: September 28, 2003 -->
<!-- Remarks : Size/Distance units are 1/72 of an inch -->

<e-doc>
  ...
</e-doc>

<!-- Total Zip Codes: 38 -->
<!-- Total Accounts : 148 -->
<!-- Total Documents: 177 -->
<!-- Total Lines    : 19,345 -->
<!-- Time Started   : Thu Feb 19 21:20:34 CST 2004 -->
<!-- Time Completed : Thu Feb 19 21:22:04 CST 2004 -->
<!-- Total Duration : 1 minute 90.485 seconds -->
```

## e-doc

### e-doc

**e-doc** is the top level element of **e-doc printfile**. Under the **e-doc** element, there is one **<ref>** element followed by one or more **<code>** elements. A sample format is shown below.

```
<e-doc>
  <ref id='R20030928'>
    ...
  </ref>
  <code id='Z0000'>
    ...
  </code>
  .
  .
  .
  <code id='Z9999'>
    ...
  </code>
</e-doc>
```

# reference <ref>

## 1. ref

Reference <ref> element contains all the common attribute references like document forms, graphical images, fonts and colors for the <page> elements. The sequence of elements is - <docform> elements then <graph> elements and lastly <font> elements. The **id** attribute is based on the document date. A sample format for this element is shown below.

```
<ref id='R20030928'>
  <docform id='D0000'>
    ...
  </docform>
  .
  .
  <docform id='D9999'>
    ...
  </docform>

  <graph id='G0000'>
    ...
  </graph>
  .
  .
  <graph id='G9999'>
    ...
  </graph>

  <font id='F0000'>
    ...
  </font>
  .
  .
  <font id='F9999'>
    ...
  </font>
</ref>
```

**NOTE:**

An id attribute is required. As shown above, the reference id attribute follows the document date having the format: **YYYYMMDD** (e.g. **20030928** – meaning, the year **2003** followed by the month, which in this case is the month of September (written as **09**) and then the date which is the **28<sup>th</sup>**). No spaces necessary.

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### REFERENCE ELEMENT CONTAINS THE FOLLOWING ATTRIBUTES:

#### A. docform

**<d>** element refers to the document's background form. The **id** attribute is used for **<d>** element references under **<page>** elements. The **filename** attribute refers to a graphical image file. A sample format for this element is shown below.

Attribute	Meaning
<b>id</b>	This is the document form reference. In the case of the sample below, it is <b>D6807</b> .
<b>filename</b>	This is the document form graphical image filename which can be any image used as a background form. As an example, the Document form filename is written as:  <b>&lt;filename&gt;soa_form_2003_2.gif&lt;/filename&gt;</b>

```
<docform id='D6807'>  
<filename>docform_image.gif</filename>  
</docform>
```

#### B. graph

**<g>** element refers to a document's graphical images. The **id** attribute is used for **<g>** element references under **<page>** elements. The **filename** attribute refers to a graphical image file. A sample format for this element is shown below.

Attribute	Meaning
<b>id</b>	This is the graphical image reference. In the case of the sample below, it is <b>G33</b> .
<b>filename</b>	This is the graphical image filename which can be any. As an example, the graphical image filename is written as:  <b>&lt;filename&gt;bankard_foot_logos.gif&lt;/filename&gt;</b>

```
<graph id='G33'>  
<filename>graph_image.gif</filename>  
</graph>
```

C. font

Unique document font in **e-doc printfile**. The **id** attribute is used for **F** attribute references in **text <t>**, **number <n>** and **mixtext <mt>** elements under **< page>** elements. The **face** attribute is the font face or font type. The **size** attribute is the font size in points or 1/72th of an inch. The **style** attribute is the font style - Normal, Bold, Italic, or BoldItalic. A sample format for font element is shown below.

Attribute	Meaning
<b>id</b>	This is the font reference id. In the case of the sample below, it is <b>F33</b> .
<b>face</b>	This is the font face or font type which in the case of the sample below, it is <b>Arial</b> .
<b>size</b>	This is the size of font in points (1/72) of an inch, which in the case of the sample below, it is <b>5</b> .
<b>style</b>	This is the style of font which can be Normal, Bold, Italic or BoldItalic. As the case of the sample below, it is <b>Bold</b> .

```
<font id='F33'>  
<face>Arial</face>  
<size>5</size>  
<style>Bold</style>  
</font>
```

**Font Style / Font Type**

<i>Normal</i>	This is an example.
<b>Bold</b>	<b>This is an example.</b>
<i>Italic</i>	<i>This is an example.</i>
<b><i>BoldItalic</i></b>	<b><i>This is an example.</i></b>



## code

### 2. code

<e-doc> comprises of only **one (1) <ref>** element and followed by **one (1) or more <codes>** element(s) and under the code element; it is composed of **one (1) or more <page>**. A sample format for this element is shown below.

```
<code id='Z000'>  
  <page>  
    .  
    .  
    .  
  </page>  
</code>
```

# e-doc Page

## e-doc Page <page>

<page> contains all the presentation elements in a document page. This is where assigning of position locations and measurements of all elements take place. The **id** attribute refers to an account number. The **p** attribute refers to the page number and the total number of pages of a particular account number. The sequences of elements are arranged by the **T** (Top) attributes first and then the **L** (Left) attributes of the presentation elements. A sample format of <page> element is shown below.

Attribute	Meaning
<b>id</b>	This attribute is the account number, which in the case of the sample below; it is <b>A5475-8110-6094-0009</b> .
<b>p</b>	This attribute corresponds to the <b>page number</b> and the <b>total number</b> of pages of the above account number, which in this case; it is <b>1,1</b> .

```

<page id='A5475-8110-6094-0009' p='1,1'>
  .
  .
  .
  <t L='94,73,198,9,9,L,N' F='F45'>Word or sentence</t>
  .
  .
  <n L='402,116,73,9,16' F='F45'>78.75</n>
  .
  .
  <l L='145,337,344,3' />
  .
  .
  <b L='26,525,473,14,1' />
  .
  .
  <m L='27,527,471,9,9,C'>
    <mt F='F4946' U='N'>Normal font</mt>
    <mt F='F4961' U='N'>to italic</mt>
    <mt F='F4946' U='Y'>and back to normal with underline.</mt>
  </m>
  .
  .
  <g id='G36' L='30,590,249,25' />
  .
  .
</page>

```

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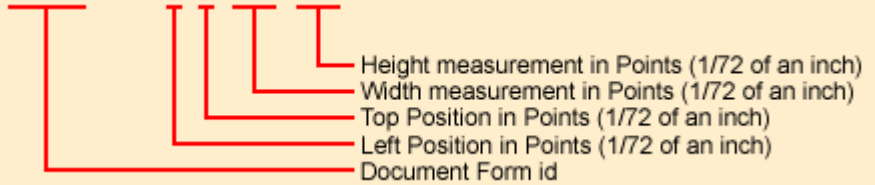
### E-DOCPAGE <PAGE> CONTAINS THE FOLLOWING PRESENTATION ELEMENTS:

#### A. Docform <d>

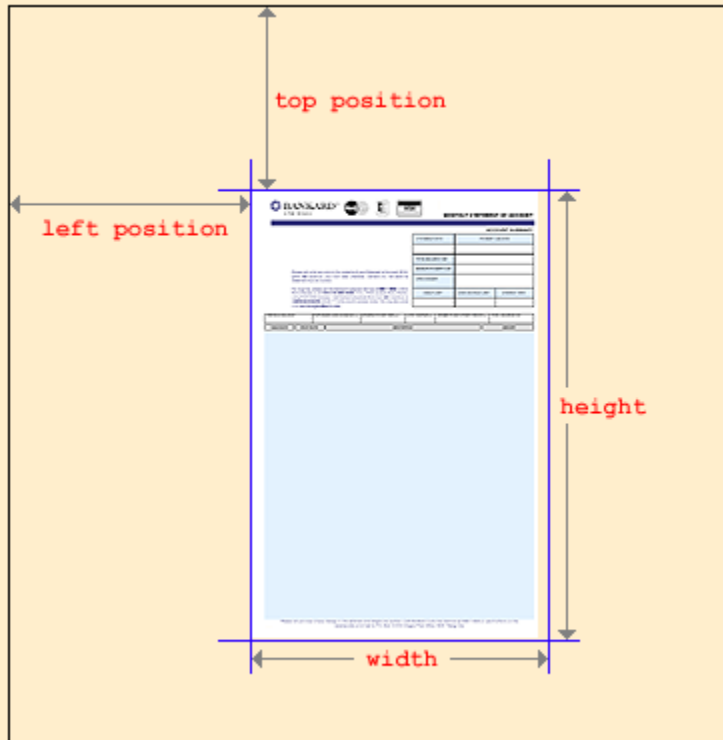
This is the document background form. A sample format is shown below.

Attribute	Meaning
id	This corresponds to the id attribute of <d> elements under <ref> element. In the case of the sample below, it is <b>D6807</b> .
L	This corresponds to the Left position, Top position, Width measurement and Height measurement of the document form <d> respectively; all in points (1/72 of an inch).

```
<d id='D6807' L='0,0,508,792' />
```



#### Docform

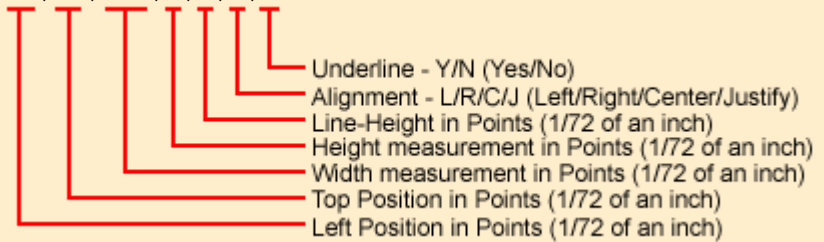


B. Text <t>

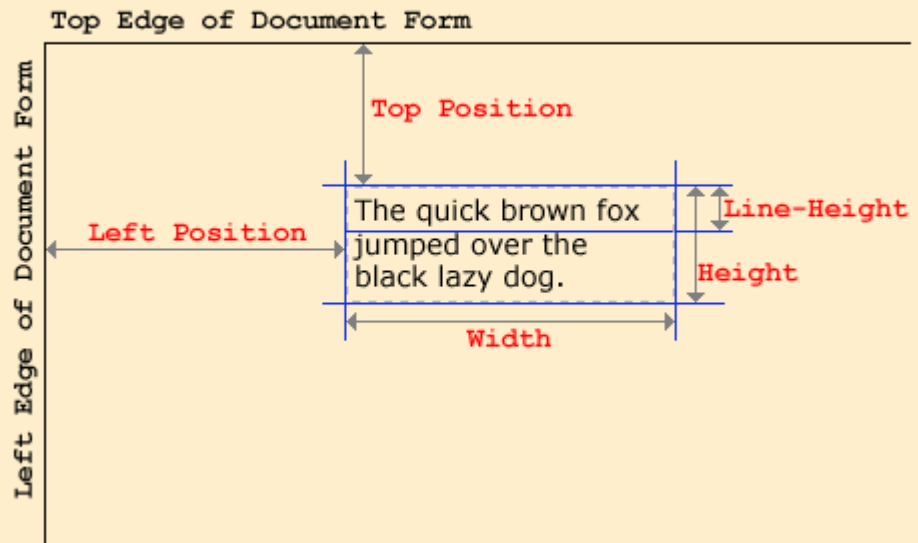
This is the text presentation element. A sample format is shown below.

Attribute	Meaning
L	<p>Corresponds to the Left position, Top position, Width measurement, Height measurement, Line-Height measurement, Alignment and Underline respectively. Left positions, Top positions, Width, Height and Line-Height measurements are all in points (1/72 of an inch).</p> <p>Alignment - L/R/C/J (Left/Right/Center/Justify). In the case of the above sample, it is aligned to the left (L).</p> <p>*** Width of the text will be ignored once the alignment is to the left and the height is equal to the line-height. But a value is still required for the width measurement.</p> <p>Underline - Y/N (Yes/No). In the case of the sample below, it is not underlined (N).</p>
F	Font corresponds to the id attribute of <font> elements under <ref> element.

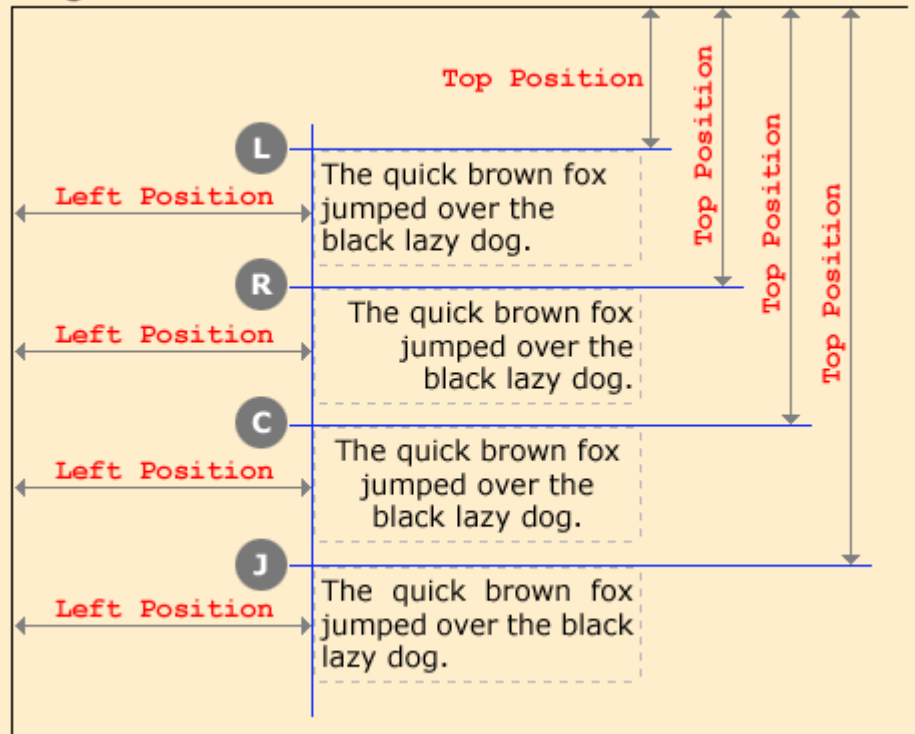
```
<t L='94,73,198,9,9,L,N' F='F45'>Word or sentence</t>
```



**Left, Top, Width, Height & Line-Height Measurement**



## Alignment



L-Left R-Right C-Center J-Justified

## Underline Text

**Y-Yes** This is an example.

**N-No** This is an example.

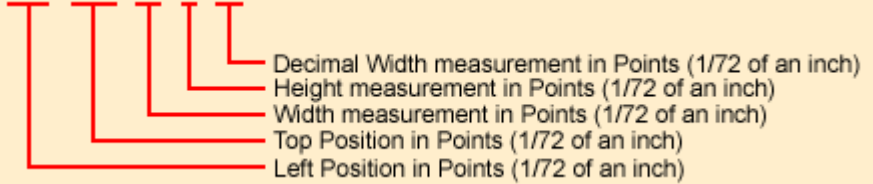
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**C. Number <n>**

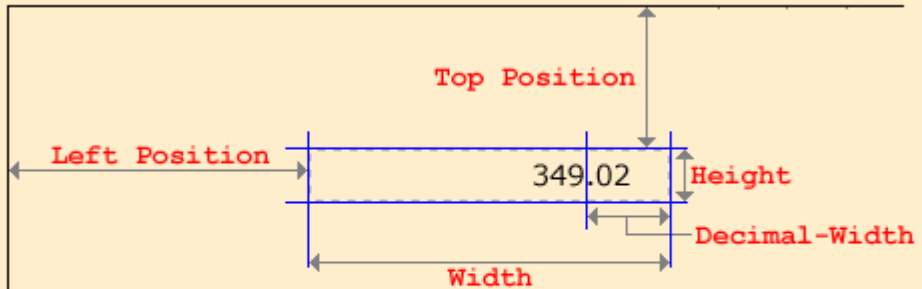
This is the numeric presentation element. A sample format is shown below.

Attribute	Meaning
<b>L</b>	Corresponds to the Left position, Top positions, Width measurements, Height measurements and *Decimal-Width measurements respectively; all in points (1/72 of an inch).  *Whole number is measured from the Width less the Decimal-Width. Whole number is right aligned and decimal is left aligned.
<b>F</b>	Font corresponds to the id attribute of <font> elements under <ref> element.

```
<n L='402,116,73,9,16' F='F45'>78.75</n>
```



**Numeric Element**



**NOTE:**

Whole Number is aligned to the right.  
 Decimal is aligned to the left.

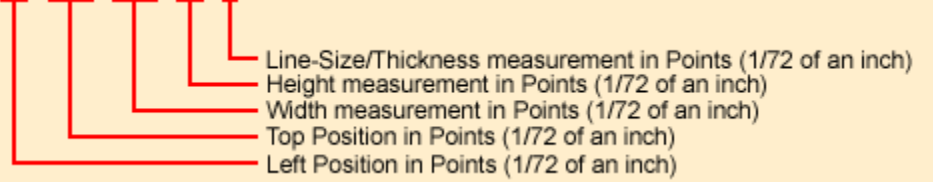
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## D. Box <b>

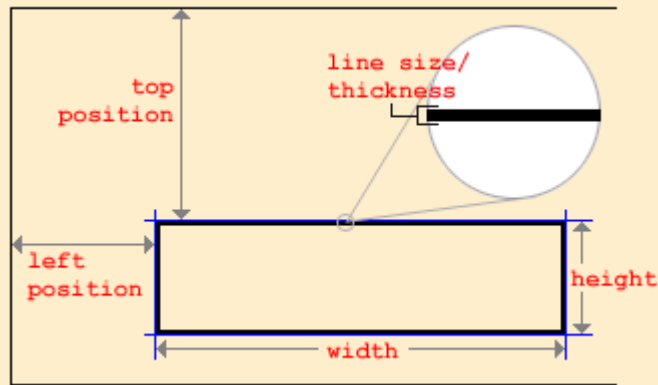
This is the box graph presentation element. A sample format is shown below.

Attribute	Meaning
L	Corresponds to the Left position, Top position, Width measurement, Height measurement and Line-Size/Thickness measurement respectively; all in points (1/72 of an inch).

```
<b L='26.525.473.14.1' />
```



### Box Element

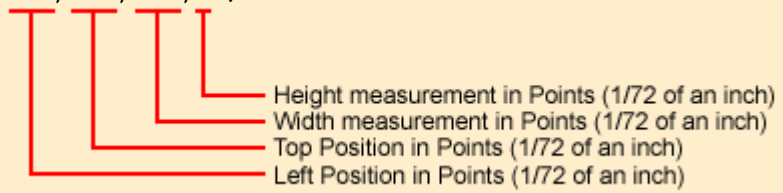


**E. Solid Line <I>**

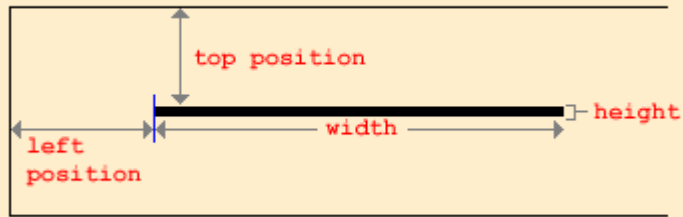
This is the solid line graph presentation element. A sample format is shown below.

Attribute	Meaning
L	Corresponds to the Left position, Top position, Width measurement and Height measurement respectively; all in points (1/72 of an inch).

```
<I L='145,337,344,3' />
```



**Solid Line Element**



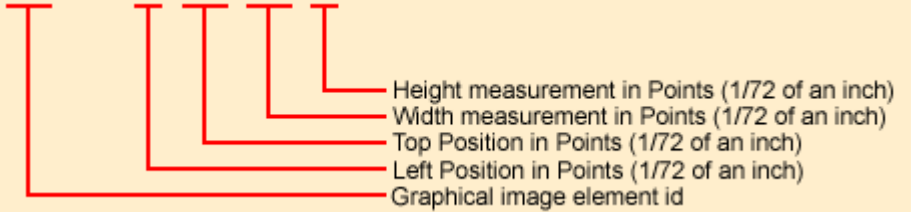


**F. Graphical Image <g>**

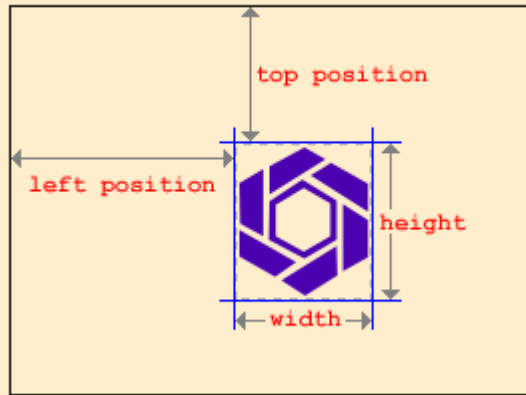
This is the graphical image presentation element. A sample format is shown below.

Attribute	Meaning
<b>id</b>	Corresponds to the id attribute of <graph> elements under <ref> element; which can be from the range of <b>G0000 to G9999</b> . In the case of the above sample, it is <b>G36</b> .
<b>L</b>	Corresponds to the Left position, Top position, Width measurement and Height measurements respectively; all in points (1/72 of an inch).

```
<g id='G36' L='30,590,249,25' />
```



**Graphical Image**



G. Mix Text <m>

This is the mix text effects presentation element. This is a combination of different font-types, font-styles and font-sizes of texts. This is usually used in sentences, phrases or paragraphs having different types, styles and sizes of texts. A sample format is shown below.

Attribute	Meaning
L	<p>Corresponds to the Left position, Top position, Width measurement, Height measurement, Line-Height measurement and Alignment respectively.</p> <p>The Left position, Top positions, Width, Height and Line-Height measurements are all in points (1/72 of an inch).</p> <p>Alignment - L/R/C/J (Left/Right/Center/Justify). As the case of the above sample, it is aligned to the center (C).</p>

Left Position in Points (1/72 of an inch)  
 Top Position in Points (1/72 of an inch)  
 Width Measurement in Points (1/72 of an inch)  
 Height Measurement in Points (1/72 of an inch)  
 Line-Height Measurement in Points (1/72 of an inch)  
 Alignment - L/R/C/J (Left/Right/Center/Justify)

```

<m L='27,527,471,9,9,C'>
  <mt F='F4946' U='N'>Normal font</mt>
  <mt F='F4961' U='N'>to italic</mt>
  <mt F='F4946' U='Y'>and back to normal with underline.</mt>
</m>
    
```

Underline - Y/N (Yes/No)  
 Font element id attribute

**Mix Text Effect**

This is an example of *mix text effect*.

normal      *italic*      underlined

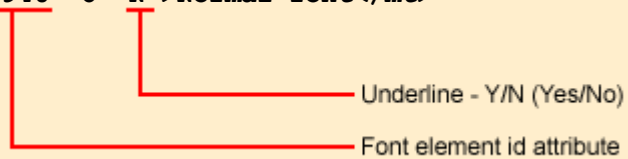
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### H. mt

This is the Text presentation elements of **mix text <m>** element. A sample format is shown below.

Attribute	Meaning
<b>F</b>	Font which corresponds to the id attribute of <font> elements under <ref> element.
<b>U</b>	Underline - Y/N (Yes/No). As the case of the sample below, it is not underlined ( <b>N</b> ).

```
<mt F='F4946' U='N'>Normal font</mt>
```



### Underline Text

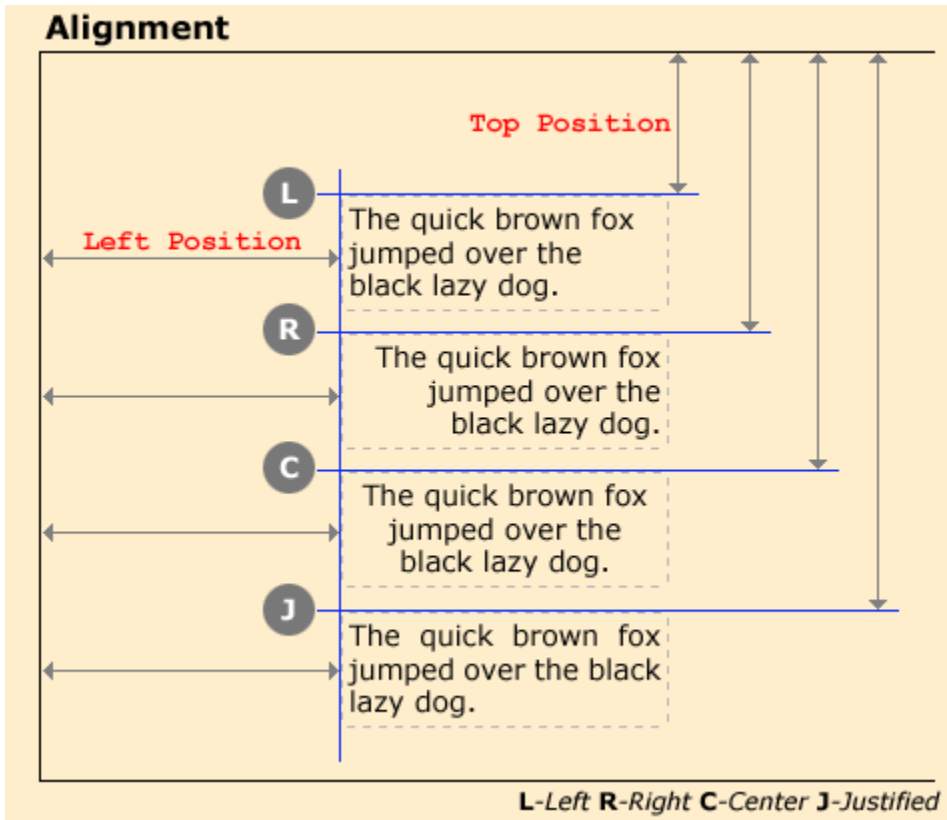
**Y-Yes** This is an example.

**N-No** This is an example.



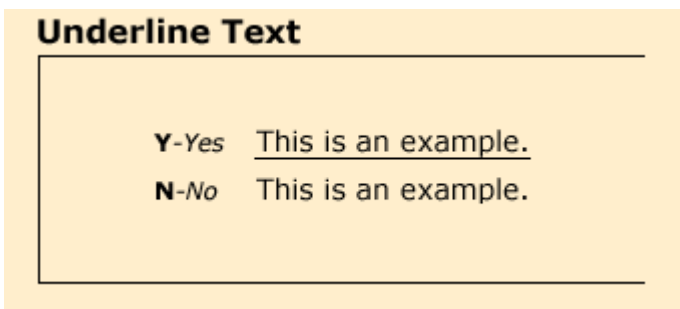
## ALIGNMENT

Alignment is the lay-out of the element on the document form. It is how the element to be positioned or aligned. Alignment includes: Left, Right, Center and Justify. Refer to image below.



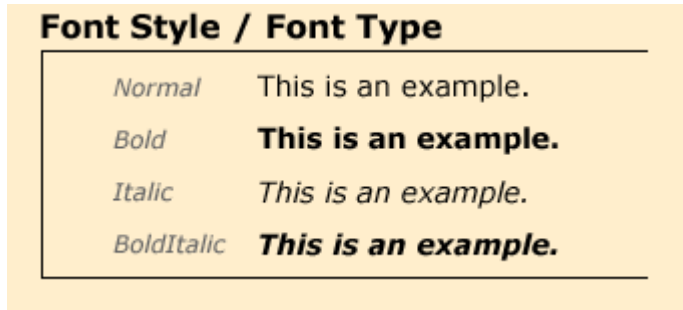
## UNDERLINE TEXT

Underlined text is an option of text element whether it is to be underlined or not. Selecting **Y** for Yes will mean that the text will have a line under it and choosing **N** for No will mean no line under it or it just a regular text. Refer to image below.



## FONT STYLE / FONT TYPE

Font style/type is how you want the text element to have a style effect; whether just a Normal text, Bold, Italic or Bold Italic. Refer to image below.



COMPLETE SAMPLE SUMMARY OF THE ENTIRE e-doc PRINT FILE.

```

<!-- *** DASC e-doc xml Print File v1.0 *** -->
<!-- Zip File: ABC_20030928.zip -->
<!-- Filename: ABC_20030928.xml -->
<!-- SoA Type: ABC Statement of Account -->
<!-- SoA Date: September 28, 2003 -->
<!-- Remarks : Size/Distance units are 1/72 of an inch -->

<e-doc>
  <ref id='R20030928'>
    <docform id='D6807'>
      <filename>soa_form_2003_2.gif</filename>
    </docform>
    .
    .
    .
    <graph id='G33'>
      <filename>bankard_foot_logos.gif</filename>
    </graph>
    .
    .
    .
    <font id='F33'>
      <face>Arial</face>
      <size>5</size>
      <style>Bold</style>
    </font>
    .
    .
    .
  </ref>
  <code id='Z0000'>
    <page id='A5475-8110-6094-0009' p='1,1'>
      <d id='D6807' L='0,0,508,792' />
      .
      .
      .
      <t L='94,73,198,9,9,L,N' F='F45'>Word or sentence</t>
      .
      .
      .
      <n L='402,116,73,9,16' F='F45'>78.75</number>
      .
      .
      .
      <l L='145,337,344,3' />
      .
      .
      .
      <b L='26,525,473,14,1' />
      .
      .
      .
      <m L='27,527,471,9,9,C'>
        <mt F='F4946' U='N'>Normal font</mt>
        <mt F='F4961' U='N'>to italic</mt>
        <mt F='F4946' U='Y'>and back to normal with underline.</mt>
      </m>
      .
      .
      .
      <g id='G36' L='30,590,249,25' />
      .
      .
      .
    </page>
  </code>
  .
  .
  .
  <code id='Z9999'>
    ...
  </code>
</e-doc>
<!-- Total Zip Codes: 38 -->
<!-- Total Accounts : 148 -->
<!-- Total Documents: 177 -->
<!-- Total Lines : 19,345 -->
<!-- Time Started : Thu Feb 19 21:20:34 CST 2004 -->
<!-- Time Completed : Thu Feb 19 21:22:04 CST 2004 -->
<!-- Total Duration : 1 minute 90.485 seconds -->

```

## **DASC e-doc xml Print File v1.0 Reference Manual**

e-doc print file is complied to World Wide Web Consortium (W3C) recommendation – Extensible Markup Language (XML) 1.0 specification.

### **References:**

Digital Arts Sales Corporation – <http://www.da2001.com>

World Wide Web Consortium (W3C) – <http://www.w3.org>

Extensible Markup Language (XML) 1.0 - <http://www.w3.org/TR/REC-xml>



