

## Exhibit A – Part 2

(TimeBase’s United States Patent No. 6,233,592  
B1, “System for Electronic Publishing”)

to

TimeBase’s Memorandum in Support  
of Its Motion to Clarify the Claim  
Construction as it Relates to  
Summary Judgment

Sunset provision

207. This Part ceases to be in force at the (j)end of 5 years after the Parliamentary Joint Committee is first appointed.

- 5 • Examples of expiry of a portion of a REGULATION

FEDERAL COURT RULES

Updated as at 22 March 1996

.....

10 ORDER 75 NATIVE TITLE RULES

NATIVE TITLE ACT 1993

.....

ORDER 75

RULE 21

15 Sunset provision

21. Order 75 ceases to be in force on 1 March 1997.

MIGRATION (1993) REGULATIONS - Updated as at 25 July 1994

.....

20 REG 2A

10A

Sunset provision

2A.10A. No application may be made under this Division on or after 1 July 1993.

25

**[B 06]Type Field**

This Field provides more specific information about the type of legislation.

It is different to the ID Field described above which gives the legislation a unique ID.

30 This Field uses three single character codes to describe the legislation.

These are as follows:

P = *Principal* ACTS or REGULATIONS.

It indicates that this is the main or Principal ACT or REGULATION.

35 **OR** In other words the ACT or REGULATION which gets amended.

Principal ACTS or REGULATIONS can be either in existence (enacted in previous years) or newly enacted (created in the current year).

-47-

There is nothing specifically unique or different in a principal ACT or REGULATION that makes it easy to identify. By elimination it is however, possible to say what is not a Principal ACT or REGULATION. This is done by looking at the ACT or REGULATION'S title information. Amending Acts or Regulations (which are dealt with next) usually contain the word's "Amending", "Amendment", "Repeal" or "Statute Law Revision" in their Short Title. Another indicator in the case of ACTS is that the Long Title will also contain the word's "Amending", "Amendment", "Repeal" or "Statute Law Revision" (REGULATIONS however, do not have a Long Title).

The example marked **(K)** and **(J)** below shows the Long and Short Titles for a Principal Act known as the Trade Practices Act. (Compare these examples with the ones marked (L) and (M) below).

LONG TITLE**(K)**

An Act relating to certain Trade Practices

## PART I-PRELIMINARY

## SECT 1

Short title**(J)**

1. This Act may be cited as the Trade Practices Act 1974.\*1\*  
SEE NOTES TO FIRST ARTICLE OF THIS CHAPTER .

**Note:** A principal ACT or REGULATION can contain amendments to other ACTS or REGULATIONS. It therefore, still needs to be considered for its effect on other ACTS.

A = Amending ACTS or REGULATIONS.

It indicates that this is a changing or Amending ACT or REGULATION.

**OR** In other words the ACT or REGULATION which does the amending.

Amending ACTS or REGULATIONS will not generally exist in their own right in the consolidated information for which we are creating the data base. The changes they effect will nearly always become part of the Principal ACT or REGULATION.

There are some rare exceptions to the above point however, which will need to be identified - (the way to do this most effectively will be to identify them in Australia and provide a list or table of what these ACTS and REGULATIONS are).

As already stated the best ways to identify an Amending ACT or REGULATION are:

-48-

Amending ACTS or REGULATIONS will nearly always contain the word's "Amending", "Amendment", "Repeal" or "Statute Law Revision" in their Short Title.

- 5 For Acts (but not Regulations) there is also a Long Title at the very beginning of the Act (usually before Section 1) which will also contain the word's "Amending" "Amendment", "Repeal" or "Statute Law Revision".

The example marked **(L)** and **(M)** below shows the Long and Short Titles for the Amending ACT  
10 known as the Trade Practices (Secondary Boycotts) Amendment Act 1979.

LONG TITLE**(L)**

An Act to amend the Trade Practices Act 1974 with respect  
15 Secondary Boycotts and other industrial practices.

PART I-PRELIMINARY

SECT 1

Short title**(M)**

- 20 1. This Act may be cited as the Trade Practices (Secondary Boycotts) Amendment Act 1979.\*1\*  
SEE NOTES TO FIRST ARTICLE OF THIS CHAPTER .

**Note:** An Amending ACT or REGULATION can be amended itself by a further amending  
25 ACT or REGULATION.

More Examples of Amending ACTS and REGULATIONS

Following are some more examples of Amending ACTS and REGULATIONS and what  
to look for.

30 *Statute Law Revision Acts*

Below are two examples of these. Usually, this is clean up legislation which makes many  
changes and often effects a larger number of ACTS. They can be specific as in the case  
of the Decimal Currency example or they can be general as in the case of the 1973  
35 example.

They can both change (amend Parts, Divisions and Sections of ACTS and  
REGULATIONS) and/or delete (repeal) whole ACTS and REGULATION or Parts,  
Divisions and Sections.

-49-

Statute Law Revision (Decimal Currency) Act 1966  
 Statute Law Revision Act 1973

5 There are other form of Amending ACT similar to the Statute Law Revision Acts as follows:

A.C.T. Self-Government (Consequential Provisions) Regulations  
 1989 No. 3  
 Defence Legislation Amendment Act 1984  
 10 Fringe Benefits Tax (Miscellaneous Provisions) Act 1986  
 Statute Law (Miscellaneous Provisions) Act (No. 1) 1986  
 Taxation Laws Amendment Act (No. 3) 1986

The above can usually be spotted by the use of words such as "Consequential  
 15 Provisions" "Laws Amendment", "Legislation Amendment", "Miscellaneous Provisions" in  
 their Short Titles.

#### *Repeal Acts*

Below are two examples of these. One where the term Legislation is used in the title  
 20 indicating that more many ACTS are being repealed. Again this is often clean up  
 legislation which repeals many ACTS whose purpose or reason for being has lapsed.  
 Alternatively, as the second example indicates Repeal ACTS can be specific, effecting  
 the repeal of only one ACT.

25 Egg Export Legislation Repeal Act 1984  
 National Welfare Fund Repeal Act

#### *N = Not known*

Indicates that the type of the ACT or REGULATION is not known or cannot be determined. These  
 30 records will the be handled in Australia.

#### **[B 07] Reprint No Field**

The information required for this field does not appear in the Commonwealth Data as presently  
 supplied to/held by us. It will need initially to be obtained in the form of a list of existing reprints and  
 35 their numbers and be added to both the Commonwealth data and the data base as a once only  
 job. It will then need to be maintained on a monthly basis using the two AGPS Pamphlet  
 Publications known as ACTS TABLES for Acts and STATUTORY RULES TABLES for  
 Regulations, the last page in each contains this information for the current year. **Note:** where the

-50-

Pamphlets are not available or the reprint number is not known or unavailable then the number 999 should be used to indicate this.

Each of the two tables from the Pamphlets contains the name of the Reprinted ACT or  
 5 REGULATION in alphabetical order (but see Statutory Rules example below) followed by the date  
 of reprint, then followed by the words "Reprint No." and a number. It is this last number that needs  
 to be entered.

ACTS TABLE entry example

10

*National Health Act 1935* (20 September 1996) Reprint No. 5

STATUTORY RULES TABLE entry example

**Note:** Statutory Rules are listed by their parent Act (the Act under which they are made appearing  
 15 in *Italic* as shown in the example below).

*Banks (Shareholdings) Act 1972* --

Banks (Shareholdings) Regulations (2 August 1995) Reprint No. 2

20 **[B 08] Reprint Date Field**

Like the Reprint Number discussed in **[B 07]** above the information required for this field does not  
 appear in the Commonwealth Data as presently supplied to/held by us. It too will need initially to  
 be obtained in the form of a list of existing reprints and be added to both the Commonwealth data  
 and the data base as a once only job. It will then need to be maintained on a monthly basis using  
 25 the two AGPS Pamphlet Publications known as ACTS TABLES for ACTS and STATUTORY  
 RULES TABLES for Regulations, the last page in each contains this information for the current  
 year.

Each of the two tables contains the name of the Reprinted ACT or REGULATION in alphabetical  
 30 order (but see Statutory Rules example below) followed by the date of reprint, then followed by the  
 words "Reprint No." and a number.

For this field it is the Date preceding the Reprint Number that needs to be entered.

For examples see the examples at **[B 07]** above.

35

**Note:** Again where the Pamphlets are not available or the reprint date is not known or unavailable  
 then the date 00/00/00 should be used to indicate this.

-51-

**[C] TEXTBLOCK TABLE****[C 01] When the should it be used?**

TEXTBLOCK entries will not normally be required for ACTS or REGULATIONS which are either  
 5 Principal **or** Reprinted ACTS or REGULATIONS. But **note** that in the case of Principal ACTS there  
 are exceptions, namely; where the Principal ACT or REGULATION also amends or repeals other  
 ACTS or REGULATIONS.

**[C 02] ID FIELD**

10 This field simply repeats the information obtained in **[B 01]** above. Its purpose is to link this Table  
 with the MASTER TABLE by way of the same ID. For the example, in **[B 01]** for the Social  
 Security Act the ID was **Act-19910046**. This ID would be repeated in this field.

**[C 03] Textblock ID1**

15 This field is for the ID of the specific Part, Section or regulation in an Amending ACT or  
 REGULATION that causes a change (amendment) to happen.

Textblock ID2 (see **[C 04]** below) on the other hand records the ID of the specific Part, Section or  
 regulation in an Amending Act or Regulation that is changed (amended).

20

**EXAMPLE 1**

Following is an example of an amendment to the Social Security Act which shows how the  
 information required for this field is obtained.

25 *Please note* there are several ways in which Amending ACTS and REGULATIONS are presented.  
 However, the information required for this ID field is present in all cases. This first example shows  
 the things to look for and the next example show some of the variations possible.

**(N)** The first thing required is an indication as to type. The example is an Amending Act.

30 **(O)** The second thing required is the relevant year. In the example this is 1995.

**(P)** The third thing required is the Act or Reg Number. In this example this is 104.

**(Q)** The fourth thing required is the specific Part, Section or regulation doing the amending. In  
 this example this is SCH1 (ie: Schedule 1).

35 The ID entry for this example would then be as follows:

**ACT-19950104-SCH-1**

SOCIAL SECURITY LEGISLATION **(N)**AMENDMENT ACT (No. 1) **(O)**1995 No. **(P)**104 of 1995

-





<  
 "(1C) If, during a calendar year, the carer has accompanied the handicapped person outside Australia on more than one occasion, the carer ceases to be qualified for carer pension under subsection (1B) in that calendar year after he or she has, during that calendar year, qualified for carer pension under that subsection for periods that together add up to 3 months."  
 \$\$\$

**[C 04]Textblock ID2**

10 This field is for the ID of the specific Part, Section or regulation in an Amending ACT or REGULATION that is changed (amended).

Textblock ID1 (see [C 03] above) on the other hand records the ID of the specific Part, Section or regulation in an Amending ACT or REGULATION that causes a change (amendment) to happen.

**EXAMPLE 1**

Following is an example of an amendment to the Social Security Act which shows how the information required for this field is obtained.

20 *Please note*, as with Textblock ID1, there are several ways in which Amending ACTS and REGULATIONS are presented. However, the information required for this ID field is present in all cases. This first example shows the things to look for and the next example shows some of the variations possible.

- 25 **(V)** Again the first thing is an indication as to type. The example is an Amending Act.
- (W)** The second thing required is the relevant year. In the example this is 1991.
- (X)** The third thing required is the Act or Reg Number. In this example this is 46.
- (Y)** The fourth thing required is the specific Part, Section or Regulation that is being amended. In this example this is SEC8.

30 The ID entry for this example would then be as follows:

**ACT-19910046-SEC-8**

35 SOCIAL SECURITY LEGISLATION AMENDMENT ACT (No. 1) 1995 No. 104 of 1995 -  
 .....  
 SCHEDULE 1 Section 4<  
 AMENDMENT OF THE SOCIAL SECURITY **(V)**ACT **(W)**1991

**(X)** [if not available/reproduced in the Amendment text can be obtained from the main ID field in MASTER TABLE]

RELATING TO<  
THE DEFINITION OF INCOME<

5 1. After Paragraph **(Y)**8(8)(zf):<

Insert:<

"(zfa) a payment of financial supplement made to the person<  
under the Student Financial Supplement Scheme;"<

10

**EXAMPLE 2**

This example shows a different style of amendment to Example 1.

The ID entry for this example would be as follows: **ACT-19950105-SEC-198**

15 It would be made up of the following:

**(Z)** Indication of Amending ACT. (This would be Reg if we were dealing with a REGULATION).

**(AA)** Year of ACT is 1991.

**(BB)** The third thing required is the ACT or REGULATION Number.

In this example this is 46.

20 **(CC)** Specific Part, Section or regulation being amended is SEC198.

SOCIAL SECURITY (NON-BUDGET MEASURES) LEGISLATION AMENDMENT ACT 1995 No. 105 of 1995

**(Z) (AA) (BB)** [if not available/reproduced in the Amendment text can be obtained from the main ID field in MASTER TABLE]

25 \$\$\$NSECT

4. Section **(CC)**198 of the Principal Act is amended by inserting after subsection (1A):

\$\$\$P

30 <

"(1B) Subject to subsection (1C), if:<

(a) a person (the 'carer') is personally providing constant care for a severely handicapped person; and<

35 (b) the handicapped person is temporarily absent from Australia for a period of not more than 3 months; and<

(c) the carer accompanies the handicapped person on his or her absence from Australia;<

-55-

the carer does not cease to be qualified for a carer pension merely because of that absence from Australia.

\$\$\$

<

5 "(1C) If, during a calendar year, the carer has accompanied the handicapped person outside Australia on more than one occasion, the carer ceases to be qualified for carer pension under subsection (1B) in that calendar year after he or she has, during that calendar year, qualified for carer pension under that subsection for periods that together add up to 3 months."

10 \$\$A

**[C 05]Date of Commencement Field**

This field is for the date an amendment or repeal of a specific Part, Section or regulation commenced. See also **[B 04]** for information on commencement.

15

**EXAMPLE**

Below is an example of a commencement provision from an amending ACT. Note how various sections of the amending ACT are allocated a date of commencement. Using the Section identified in TEXTBLOCK ID1 the date of commencement can be identified and entered in this field.

20

Thus if the TEXTBLOCK ID1 field were **ACT-19950105-SEC-8** then the date information required for this field would be 1 July 1995. See **(DD)** below.

25 SOCIAL SECURITY (NON-BUDGET MEASURES) LEGISLATION AMENDMENT ACT 1995 No. 105 of 1995 - SECT 2<

Commencement<

30 \$\$\$

\$\$NSECT

2.(1) Subject to this section, this Act commences on the day on which it receives the Royal Assent.

\$\$\$

35 <

(2) Subdivision A of Division 2 of Part 2 is taken to have commenced on 1 July 1993.

\$\$\$

-56-

<  
(3) Sections 8 and 9 are taken to have commenced on **(DD)**1 July 1995.

\$\$\$

<

5 (4) Section 10 is taken to have commenced on 1 April 1993.

\$\$\$

**[C 06]Date of Expiry Field**

This field provides for amendments that are enacted for a period of time, for example; during a  
10 special event such as the Olympics.

**Note:** Expiry provisions are rare and should only be added if clearly specified in the data as in the  
example below.

15 **EXAMPLE**

See **(EE)** below.

OLYMPIC SECURITY (NON-BUDGET MEASURES) LEGISLATION AMENDMENT ACT 1997 No. 109 of  
1995

20

\$\$NSECT

4. Section 298 of the Principal Act is amended for the period commencing at  
midnight on 1 July 1997 and ending on midnight **(EE)**25 July 1997 by inserting  
after subsection (2A):

25

\$\$\$

<

"(2B) Subject to subsection (2C), if:<

(a) a person (the 'carer') is personally providing constant care for a  
severely handicapped person; and<

30

(b) the handicapped person is temporarily absent from Australia for a period  
of not more than 3 months; and<

(c) the carer accompanies the handicapped person on his or her absence from  
Australia;<

35

the carer does not cease to be qualified for a carer pension merely because of  
that absence from Australia.

\$\$\$

<



-58-

TAMZ  
**APPENDIX D**

## Keying Guide for Australian Legislation Documents

### General

#### Validation

All files produced must be parsed against the relevant DTD and each table should be viewed using a suitable Table renderer to make sure that they have been coded correctly.

#### DTD modifications

No local modifications must be made to the supplied DTD's. If there are any situations in which it is thought that a change to a DTD is required then the requested change and the reasons for it must be submitted to SGMLSE. If a change is deemed necessary, then the DTD will be changed in the UK and resupplied. This is necessary to maintain consistency in the DTD's being used at both ends in the process.

#### Files

The SGML files that will be supplied have already been partially processed but will be invalid according to the DTD (especially the tables).

Each file should omit the document type declaration and begin directly with the root element.

#### Carriage return characters

Carriage return characters must not appear in any element which has #PCDATA within its content model. If it is wished to use carriage return characters to shorten line lengths, then they must be placed in positions where they will be ignored by an SGML parser e.g. in places where #PCDATA is not allowed, or within start and end tags in places where separator characters are allowed.

#### Case

Element and attribute names are case-insensitive. They may be entered in either uppercase, lowercase or a mixture.

Attribute values are usually case-insensitive. The only time that they are case-sensitive is when they have a declared type of CDATA, in which case the string values should be entered directly as they appear in the text.

-59-

**Markup minimisation**

No non-empty elements have omissible start or end tags, but the empty end tag `</>` can be used to end the currently open element. A carriage return character can not occur within an empty end tag.

5 **DTD structure**

There are four DTDs and a common element declaration that are used to define the structure of the legislation.

**REGS.DTD**

This DTD has the public identifier `"-//SGMLSE//DTD 1.0 Regulations//EN"` and contains  
10 the declaration for the regulations. It has two parameter entity references which include  
`"-//SGMLSE//DTD 1.0 Act//EN"` and `"-//SGMLSE//DTD 1.0 Regulation//EN"`.

The file *regs.sgm* produced by the Perl script *regs.pl* conforms to *regs.dtd* and calls in all acts as parameter entities.

**ACTS.DTD**

15 This DTD has the public identifier `"-//SGMLSE//DTD 1.0 Acts//EN"` and contains the  
declaration for the acts. It has a parameter entity references which includes  
`"-//SGMLSE//DTD 1.0 Act//EN"`.

The file *acts.sgm* produced by the Perl script *acts.pl* conforms to *acts.dtd* and calls in all acts as parameter entities.

20 **ACT.DTD**

This DTD has the public identifier `"-//SGMLSE//DTD 1.0 Act//EN"` and contains the  
declaration of an act.

**REG.DTD**

This DTD has the public identifier `"-//SGMLSE//DTD 1.0 Regulation//EN"` and contains  
25 the declaration of a regulation.

**COMMON.ELT**

This list of elements has the public identifier `"-//SGMLSE//ELEMENTS 1.0 Common  
Elements//EN"` and includes element and entity definitions common to all document  
types.

30 **Character entities**

The character entities allowed have been selected from the ISO public sets *isogr1*,  
*isogr3*, *isolat1*, *isonum*, *isopub* and *isotech*.

*These characters are translated one-to-one to the equivalent character in the Times New  
Roman True Type font.*

35 The `<quote>` or `<blockquote>` elements should be used instead to surround any quoted  
text.

*Use Quotes (") at the beginning and at the end of these elements.*

-60-

## Labels and identifiers

The major structural elements - act, reg, part, schedule, section, sub, s-sub, ss-sub, ... all have a required label attribute (lbl). Unique identifiers should be generated for these elements. The label for these elements is the preceding number or letter WITHOUT any punctuation or parentheses. For example :

**1979 No. 141 The charge to income tax - REG 1**

### Income Tax

1. Fred ...

10 1. (1) This is ...

```
<section type="reg" lbl="1" ID="CWACT-19790141-SEC-1">
```

```
<title>Income Tax</>
```

```
<list>
```

```
<li lbl="1"><p>Fred ...</p>
```

15 </list>

```
<li lbl="1"><p>This is ...</p>
```

```
</li>
```

```
</list>
```

20 </section>

*Convert list and li items back to the original look in Folio Views, ie to*

*1. Fred ...*

*1. (1) This is ...*

## Cross references

25 All cross references point directly to a target by providing the id of the target as the value of an attribute of the xref element. For details of the format of cross reference identifier strings, see the description of the xref element below.

*All ID's are marked unchanged as Jump Destinations (JD's).*

```
<SECTION ID="CWACT-19950104-SEC-1" LBL="1">
```

30 *becomes:*

```
<JD:"="CWACT-19950104-SEC-1">
```

## REGS DTD ELEMENT

### REGS

35 This is the root element of the Regulations. Its definition is :

```
<!ELEMENT regs - - (title, header?, reg+) >
```

That is, it contains a required title element, followed by an optional header element followed by 1 or more act element.



-61-

*Not translated***ACTS DTD ELEMENT****ACTS**

5 This is the root element of the Acts. Its definition is :

```
<!ELEMENT acts - - (title, header?, act+) >
```

That is, it contains a required title element, followed by an optional header element followed by 1 or more act element.

*Not translated*

10 **REG DTD ELEMENTS**

**REG**

This is the root element of the dtd for a Regulation. Its definition is :

```
<!ELEMENT reg - - (title, notes?, provisions?, (preamble|long-  
title)?,
```

15 ((order+|(section|schedule)+|chapter+|part+), schedule\*)) >

```
<!ATTLIST reg id ID #REQUIRED
```

```
    lbl          CDATA #REQUIRED
```

```
    insert-date  NUMBER #IMPLIED
```

```
    insert-leg   IDREF #IMPLIED
```

20 repeal-date NUMBER #IMPLIED

```
    repeal-leg   IDREF #IMPLIED
```

```
    amend-date  NUMBER #IMPLIED
```

```
    amend-leg   IDREF #IMPLIED
```

```
>
```

25 The insert-date attribute should be used to insert the date YYYYMMDD that the REG was inserted. The insert-leg should be used to insert the ID of the legislation that inserted the REG.

The repeal-date attribute should be used to insert the date YYYYMMDD that the REG was repealed. The repeal-leg should be used to insert the ID of the legislation that repealed the REG.

30 The amend-date attribute should be used to insert the date YYYYMMDD that the REG was amended. The amend-leg should be used to insert the ID of the legislation that amended the REG.

35 *The title gets marked up as Level "Heading Level 1". The period between the insert-date and the repeal-date or amend-date (that is the period during which the above element was in force) gets marked up as follows:*

*The Folio Views markup used is Groups. See the manual for explanations. We will use three kinds of groups: Inforce-yyyy, Inforce-yyyy-mm and Inforce-yyyy-mm-dd (yyyy can*

be any year, mm can be any month from 1 - 12 and dd can be any day from 1 - 31). If the element was valid throughout a year yyyy, the element becomes a member of the Inforce-yyyy group. If the element was valid only for some months within a year, it becomes a member of the relevant Inforce-yyyy-mm groups. If the element was only valid for some days within a month, the element becomes a member of the relevant Inforce-yyyy-mm-dd groups. Example:

If the element was valid from 1/7/94 to 7/4/96, then the element belongs to the following groups:

Inforce-94-07, Inforce-94-08, Inforce-94-09, Inforce-94-10, Inforce-94-11, Inforce-94-12, Inforce-95, Inforce-96-01, Inforce-96-02, Inforce-96-03, Inforce-96-04-01, Inforce-96-04-02, Inforce-96-04-03, Inforce-96-04-04, Inforce-96-04-05, Inforce-96-04-06 and Inforce-96-04-07.

Note that the element is not part of the Inforce-94 group because the element wasn't in force throughout of 1994. Nor is the element part of the Inforce-96-04 group because the element wasn't in force throughout April 1996.

If the enduser wants to search for all elements that are valid as of a particular date then the enduser can enter that date in a Query Template in the form DD/MM/YYYY. The Query Template then searches the Folio Views infobase for all elements that belong to the groups Inforce-yyyy, Inforce-yyyy-mm and Inforce-yyyy-mm-dd.

**ACT DTD ELEMENTS**

**ACT**

This is the root element of the dtd for an Act. Its definition is :

```
<!ELEMENT act - - (title, notes?, provisions?, (preamble|long-
title)?, (section+|chapter+|part+|sub+)*, schedule*)>
<!ATTLIST
act id ID #REQUIRED
date CDATA #IMPLIED
insert-date NUMBER #IMPLIED
insert-leg IDREF #IMPLIED
repeal-date NUMBER #IMPLIED
repeal-leg IDREF #IMPLIED
amend-date NUMBER #IMPLIED
amend-leg IDREF #IMPLIED
>
```

That is, it contains a required title element, followed by optional notes, provisions, and preamble and either one or more reg, order, rule, section, chapter or part elements. It has a required id attribute and implied date attribute

-63-

The insert-date attribute should be used to insert the date YYYYMMDD that the ACT was inserted. The insert-leg should be used to insert the ID of the legislation that inserted the ACT.

The repeal-date attribute should be used to insert the date YYYYMMDD that the ACT was repealed. The repeal-leg should be used to insert the ID of the legislation that repealed the ACT.

The amend-date attribute should be used to insert the date YYYYMMDD that the ACT was amended. The amend-leg should be used to insert the ID of the legislation that amended the ACT.

**Examples**

**1979 No. 141 The charge to income tax**

```
<act lbl="141" ID="CWACT-19790141-TXT-0">
<title>1979 No. 141 The charge to income tax</>
```

**1979 No. 141 The charge to income tax\*1\***

```
15 <act lbl="141" ID="CWACT-19790141-TXT-0">
<title>1979 No. 141 The charge to income tax<noteref ref="CWACT-
19790141-note-1"></>
```

*The noteref gets marked up as a popup link. The text of the note becomes the text within the popup link.*

*Treated the same as Reg DTD Elements. See there for details.*

**COMMON ELEMENTS**

**PART**

```
<!ELEMENT part - - (title, (%plevel;)*,
25 (chapter+|division+|section+)*, notes?)
<!ATTLIST partid ID #REQUIRED
lbl CDATA #IMPLIED
insert-date NUMBER #IMPLIED
insert-leg IDREF #IMPLIED
30 repeal-date NUMBER #IMPLIED
repeal-leg IDREF #IMPLIED
amend-date NUMBER #IMPLIED
amend-leg IDREF #IMPLIED
>
```

The insert-date attribute should be used to insert the date YYYYMMDD that the PART was inserted. The insert-leg should be used to insert the ID of the legislation that inserted the PART.

-64-

The repeal-date attribute should be used to insert the date YYYYMMDD that the PART was repealed. The repeal-leg should be used to insert the ID of the legislation that repealed the PART.

The amend-date attribute should be used to insert the date YYYYMMDD that the PART was amended. The amend-leg should be used to insert the ID of the legislation that amended the PART.

**Example**

```
<PART lbl="1" ID="CWACT-19790141-PT-1">
<title></title>
```

```
<p>
```

*The title gets marked up as Level "Heading Level 2". Dates get treated the same way as in Regs DTD Elements. See there for details.*

**ORDER**

```
<!ELEMENT order - - (title,
15 (division|section|part|schedule)+)>
<!ATTLIST   order   id ID #REQUIRED
           lbl CDATA #IMPLIED
           insert-date   NUMBER       #IMPLIED
           insert-leg     IDREF        #IMPLIED
           repeal-date    NUMBER       #IMPLIED
           repeal-leg     IDREF        #IMPLIED
           amend-date     NUMBER       #IMPLIED
           amend-leg      IDREF        #IMPLIED
20
>
```

The insert-date attribute should be used to insert the date YYYYMMDD that the ORDER was inserted. The insert-leg should be used to insert the ID of the legislation that inserted the ORDER.

The repeal-date attribute should be used to insert the date YYYYMMDD that the ORDER was repealed. The repeal-leg should be used to insert the ID of the legislation that repealed the ORDER.

The amend-date attribute should be used to insert the date YYYYMMDD that the ORDER was amended. The amend-leg should be used to insert the ID of the legislation that amended the ORDER.

**Example**

```
35 1979 No. 140 FEDERAL COURT RULES - ORDER 3<
      ORDER 3<
      TIME<
```

```
$$$T
```

\$\$A

\$\$T

1979 No. 140 FEDERAL COURT RULES - RULE 1<

<ORDER lbl="3" ID="CWACT-19790140-ORD-3">

5 <title>TIME</title>

<section type="rule" lbl="1" ID="CWACT-19790140-ORD-3.1">

*The title gets marked up as Level "Heading Level 2". Dates get treated the same way as in Regs DTD Elements. See there for details.*

**DIVISION**

10 <!ELEMENT division - - (title, (sub-division+ | section+)) >

<!ATTLIST division id ID #REQUIRED

lbl CDATA #IMPLIED

insert-date NUMBER #IMPLIED

insert-leg IDREF #IMPLIED

15 repeal-date NUMBER #IMPLIED

repeal-leg IDREF #IMPLIED

amend-date NUMBER #IMPLIED

amend-leg IDREF #IMPLIED

>

20 The insert-date attribute should be used to insert the date YYYYMMDD that the DIVISION was inserted. The insert-leg should be used to insert the ID of the legislation that inserted the DIVISION.

The repeal-date attribute should be used to insert the date YYYYMMDD that the DIVISION was repealed. The repeal-leg should be used to insert the ID of the legislation that repealed the DIVISION.

25 The amend-date attribute should be used to insert the date YYYYMMDD that the DIVISION was amended. The amend-leg should be used to insert the ID of the legislation that amended the DIVISION.

**Example**

30 1979 No. 140 FEDERAL COURT RULES - DIVISION 1<

Division 1-General<

\$\$T

\$\$A

\$\$T

35 1979 No. 140 FEDERAL COURT RULES - RULE 1<

Cases for service of originating process<

<DIVISION lbl="1" ID="CWACT-19790140-DIV-1>

<title>General</title>

366274US-118CCJ01206US.DOC:1AD

-66-

<RULE lbl="1" ID="CWACT-19790140-DIV-1.1">

<title> Cases for service of originating process </title>

*The title gets marked up as Level "Heading Level 3". Dates get treated the same way as in Regs DTD Elements. See there for details.*

5 **SUB-DIVISION**

<!ELEMENT sub-division - - (title, section+) >

<!ATTLIST sub-division id ID #REQUIRED

lbl CDATA #IMPLIED

insert-date NUMBER #IMPLIED

10 insert-leg IDREF #IMPLIED

repeal-date NUMBER #IMPLIED

repeal-leg IDREF #IMPLIED

amend-date NUMBER #IMPLIED

amend-leg IDREF #IMPLIED

15 >

The insert-date attribute should be used to insert the date YYYYMMDD that the SUB-DIVISION was inserted. The insert-leg should be used to insert the ID of the legislation that inserted the SUB-DIVISION.

20 The repeal-date attribute should be used to insert the date YYYYMMDD that the SUB-DIVISION was repealed. The repeal-leg should be used to insert the ID of the legislation that repealed the SUB-DIVISION.

The amend-date attribute should be used to insert the date YYYYMMDD that the SUB-DIVISION was amended. The amend-leg should be used to insert the ID of the legislation that amended the SUB-DIVISION.

25 *The title gets marked up with a Paragraph Style (see Folio Views Infobase Production Kit Manual for details) 'Subdivision'. Dates get treated the same way as in Regs DTD Elements. See there for details.*

**PROVISIONS**

<!ELEMENT provisions - - (title, tblblk) >

30 **Example**

\$\$TABLE

TABLE OF PROVISIONS<

\$\$P

Order<

35 \$\$P

1. Preliminary<

\$\$P

2. Sittings and Vacation<

-67-

```

<PROVISIONS>
<TITLE>TABLE OF PROVISIONS>
<TBLBLK>
. .
5 </TBLBLK>
</PROVISIONS>

```

Provisions get ignored. The Table of Provisions gets generated by the conversion program from the following Elements: Part, Chapter, Order, Division, Subdivision and Section. The generated Table of Provision is stored just before the first Part, Chapter, Order, Division, Subdivision and Section.

## CHAPTER

```

<!ELEMENT chapter - - (title, (%plevel;)*,
(part+|section+|article+)?)>
<!ATTLIST   chapter id ID #REQUIRED
15          lbl CDATA #IMPLIED
           insert-date    NUMBER    #IMPLIED
           insert-leg     IDREF     #IMPLIED
           repeal-date    NUMBER    #IMPLIED
           repeal-leg     IDREF     #IMPLIED
20          amend-date    NUMBER    #IMPLIED
           amend-leg      IDREF     #IMPLIED
>

```

The insert-date attribute should be used to insert the date YYYYMMDD that the CHAPTER was inserted. The insert-leg should be used to insert the ID of the legislation that inserted the CHAPTER.

The repeal-date attribute should be used to insert the date YYYYMMDD that the CHAPTER was repealed. The repeal-leg should be used to insert the ID of the legislation that repealed the CHAPTER.

The amend-date attribute should be used to insert the date YYYYMMDD that the CHAPTER was amended. The amend-leg should be used to insert the ID of the legislation that amended the CHAPTER.

The title gets marked up as Level "Heading Level 2". Dates get treated the same way as in Regs DTD Elements. See there for details.

## SECTION

This is a sub element of a Regulation. Its definition is :

```

<!ELEMENT section - - (title, (%unstruct-cont;))>
<!ATTLIST   section id ID #REQUIRED

```

-68-

```

    lbl CDATA #IMPLIED
        insert-date    NUMBER    #IMPLIED
        insert-leg     IDREF     #IMPLIED
        repeal-date    NUMBER    #IMPLIED
5       repeal-leg     IDREF     #IMPLIED
        amend-date     NUMBER    #IMPLIED
        amend-leg      IDREF     #IMPLIED

```

>

10 That is, it contains a required title element, followed by unstructured content. It has a required lbl attribute and a required id attribute.

The insert-date attribute should be used to insert the date YYYYMMDD that the SECTION was inserted. The insert-leg should be used to insert the ID of the legislation that inserted the SECTION.

15 The repeal-date attribute should be used to insert the date YYYYMMDD that the SECTION was repealed. The repeal-leg should be used to insert the ID of the legislation that repealed the SECTION.

The amend-date attribute should be used to insert the date YYYYMMDD that the SECTION was amended. The amend-leg should be used to insert the ID of the legislation that amended the SECTION.

20 **Examples**

**1979 No. 141 The charge to income tax - SECT. 1**

**Income Tax**

**1979 No. 141 The charge to income tax - REG 2**

**Tax**

25 3. Income tax shall be charged...

```
<section lbl="1" id="CWACTION-1979141-SEC-1">
```

```
<title>Income tax</>
```

```
<section type="reg" lbl="2" id="CWACTION-1979141-SEC-
```

```
1.2"><title>Tax</title>
```

30 <p>Income tax shall be charged...</p>

*The title gets marked up as Level "Heading Level 4". Dates get treated the same way as in Regs DTD Elements. See there for details.*

**SCHEDULE**

This is a sub element of a Regulation. Its definition is :

35 <!ELEMENT schedule - - (title?, (%unstruct-cont;))>

```
<!ATTLIST    schedule id ID #REQUIRED
```

```
        lbl CDATA #IMPLIED
```

```
        insert-date    NUMBER    #IMPLIED
```



-69-

	insert-leg	IDREF	#IMPLIED
	repeal-date	NUMBER	#IMPLIED
	repeal-leg	IDREF	#IMPLIED
	amend-date	NUMBER	#IMPLIED
5	amend-leg	IDREF	#IMPLIED

>

That is, it contains a required title element, followed by unstructured content. It has a required lbl attribute and a required id attribute.

The insert-date attribute should be used to insert the date YYYYMMDD that the SCHEDULE was inserted. The insert-leg should be used to insert the ID of the legislation that inserted the SCHEDULE.

The repeal-date attribute should be used to insert the date YYYYMMDD that the SCHEDULE was repealed. The repeal-leg should be used to insert the ID of the legislation that repealed the SCHEDULE.

The amend-date attribute should be used to insert the date YYYYMMDD that the SCHEDULE was amended. The amend-leg should be used to insert the ID of the legislation that amended the SCHEDULE.

**Examples**

**1979 No. 141 The charge to income tax - SCHEDULE 1**

**Income Tax**

1. Income tax shall be charged...

```
<schedule lbl="1" id="CWACTION-1979141-SCH-1">
<title>Income tax</>
<p>Income tax shall be charged...</p>
```

The title gets marked up as Level "Heading Level 2". Dates get treated the same way as in Regs DTD Elements. See there for details.

**FORM**

```
<!ELEMENT form - (title, formreg, front, back?) >
<!ATTLIST form %reqlbl;
%reqid;>
```

Each form has a title, regulation, a front and an optional back. Each has a required lbl attribute and a required ID.

**Example**

FORM A<

Regulation 7<

(Front of Form)<

COMMONWEALTH OF AUSTRALIA<

Trade Practices Act 1974-Sub-section 88 (1)<

-70-

EXCLUSIONARY PROVISIONS:<  
APPLICATION FOR AUTHORIZATION<

To the Trade Practices Commission: Application is hereby made under sub-section 88 (1) of the Trade

5 (Back of Form)<

DIRECTIONS<

1. Where there is insufficient space on this form to furnish the required information, the information is to be shown on separate sheets, numbered consecutively and signed by or on behalf of the applicant.

10 <FORM lbl="a" ID="CWACT-19790141-FORM-A">

<FORMREG>Regulation 7</FORMREG>

<FRONT>

<ASIS>

COMMONWEALTH OF AUSTRALIA<

15 Trade Practices Act 1974-Sub-section 88 (1)<

EXCLUSIONARY PROVISIONS:<

APPLICATION FOR AUTHORIZATION<

To the Trade Practices Commission: Application is hereby made under sub-section 88 (1) of the Trade

20 </ASIS>

</FRONT>

<BACK>

<ASIS>

DIRECTIONS<

25 1. Where there is insufficient space on this form to furnish the required information, the information is to be shown on separate sheets, numbered consecutively and signed by or on behalf of the applicant.

</ASIS>

</BACK>

30 </FORM>

*Forms get marked up with a Paragraph Style 'Forms'. The markup of 'Front' and 'Back' gets inserted as hidden text (hidden text is visible on the screen but doesn't show when the Form gets printed.*

**FORM ELEMENTS**

35 **FORMREG**

<!ELEMENT formreg - - (#PCDATA) >

see above example

-71-

**FRONT**`<!ELEMENT front - - (asis) >`

see above example

**BACK**5 `<!ELEMENT back - - (asis) >`

see above example

**ASIS**`<!ELEMENT asis - - (#PCDATA) >`

date is displayed as-is

10 see above example

**HEADER ELEMENTS**

---

**HEADER**`<!ELEMENT header - - (scope?, updated?) >`**SCOPE**15 `<!ELEMENT scope - - (%text;) >`**UPDATED**`<!ELEMENT updated - - (%text;) >`**NOTE ELEMENTS**

---

**NOTES**20 `<!ELEMENT notes - O (note+) >`

List of notes at the start of an act

**NOTE**`<!ELEMENT note - - (%plevel;) >``<!ATTLIST note id ID #REQUIRED>`

25 A single note

*Forms get marked up with a Paragraph Style 'Forms'. The markup of 'Front' and 'Back' gets inserted as hidden text (hidden text is visible on the screen but doesn't show when the Form gets printed.*

**STRUCTURAL ELEMENTS**

---

30

**TITLE**

A generic title, which may occur in several different contexts.

*Covered in Acts DTD Elements, Regs DTD Elements and so on.***INLINE ELEMENTS**

---

35 **BOLD**

Used to mark any inline text which is set in a bold face other than a title or a label. It may contain text or any inline elements other than `<bold>`.

It has no attributes.

-72-

**ILEQN**

An inline equation. This is a mathematical equation which is embedded in a line of text characters or other inline elements. See the attached description of equations for further details.

5 **ITAL**

Used to mark any inline text which is set in a italic face other than a title or a label. It may contain text or any inline elements other than <italic>.

It has no attributes.

**QUOTE**

10 A sequence of text characters or inline elements surrounded by single or double paired quotation marks. The quotation mark characters must not be entered as text characters or entity references as they will be generated automatically.

**SUBSCR**

A Subscript (inferior).

15 **SUPER**

A superscript (superior).

*Brought over from SGML to Folio Views with no changes.*

**CROSS REFERENCES****NOTEREF**

20 A reference to a NOTE element normally used in a TITLE element

*Implemented as a popup link.*

**TEMPREF**

A reference to a piece of legislation where the ID is not known. The tempref element will converted to an XREF element at a later date (when the ID is known).

25 *Not converted.*

**RNGREF**

A cross reference to a sequential range of targets, e.g. see Sections 3 to 7.

It has two required attributes, startref and endref. Startref is the id of the first of the targets referenced and endref is the id of the last target referenced. For a description of id strings, see the description of the xref element.

30 *Converted as a Query Link.*

**XREF**

A cross reference to a single target. It has a single attribute, ref, which must contain the id string of the target of the reference. Ids are not being entered on elements during keying, but will be generated automatically from the lbl attribute of elements. However, for xrefs it is necessary to work out what the id string of the target will be. The format of id strings is described below :

35 *Converted as a jumplink.*

-73-

**ID Strings**

Cross references to sections of Acts and Act Schedules should be marked up using the xref element as described above.

\*\*\*\*\*

- 5 Id strings are made up of four sequential fields separated by a "-" (dash) character as follows :

field1-field2-field3-field4

field 1 is the type of document which is being referenced. The current valid value is ACT.

field2 is an abbreviated form of the year and number of the Act, e.g. 19880001 is 1988

- 10 No. 1.

field3 identifies the type of object being referenced. Valid values are :

ORD order

DIV division

SCH schedule in an Act

- 15 SEC section in an Act

CH chapter in an Act

PT part in an Act

NOTE a note

- 20 field4 is the identifier of the element being referenced, which is formed by concatenating the values of the lbl attributes of the referenced element and its ancestor elements, separated by a "." (point) character. e.g. 1 or 1.1 or 1.1.a or 1.1.a.iv

**Examples**

```
<section lbl="1"><!-- id is ACT-19790141-SEC-1 -->
```

```
<title>The charge to income tax.</>
```

- 25 <list>

```
<li lbl="1">
```

```
<p>Income tax shall be charged...</>
```

*Implemented as jumpdestination.*

- 30 **BLOCK LEVEL ELEMENTS**

**DPEQN**

A display equation. This is a mathematical equation which is set on one or more lines by itself. See the attached description of equations for further details.

It has no attributes.

- 35 It has no attributes.

**LIST**

A list of related lines of text which are not sub, s-sub or ss-sub elements.

-74-

**LI**

An item in a list. This is a single line of text within a list.

It has a single attribute, marker, which has allowed values of bullet, dash or none, with a default of none. If a marker character precedes the list item then the relevant value  
 5 should be entered for the attribute. The marker character should not be entered as text. If any marker character other than a bullet or dash is found, contact SGMLSE for a change to the DTD.

**P**

A single line of text.

10 **BLOCKQUOTE**

A non-inline quote. The quotation mark characters must not be entered as text characters or entity references as they will be generated automatically

**TBLBLK**

A container element for a table which has a title. It contains a required title element  
 15 followed by a single table.

It has no attributes.

*The above elements get implemented either without conversion or using paragraph styles.*

**TABLE ELEMENTS****General**

20 Arbortext tables expressed in tagged ASCII form must follow this basic structure:

```

<table>
<rowrule>
for each row
{
25   <tablerow>
      <cellrule>
      for each column
      {
          <tablecell>text</tablecell>
30   <cellrule>
      }
      </tablerow>
      <rowrule>
}
35 </table>

```

-75-

**TABLE**

The <table> tag has three required attributes. They must be specified correctly or the table will not be handled properly.

ncols=NUMBER The number of columns in the table. This value MUST agree with the number of columns expressed by the required cwl attribute.

wdm=(25|50|75|100) The numbers indicate the width of the table as a percentage of the page width.

cwl=LIST where LIST is a list of integers each separated by a colon. Each integer represents the relative width of a column.

**Example**

A four column table which is the full width of the page. The second and third columns are twice the width of the first column, and the fourth column is three times the width of the first :

```
<table ncols="4" wdm="100" cwl="1:2:2:3">
```

or, equivalently,

```
<table ncols="4" wdm="100" cwl="5:10:10:15">
```

**CELLRULE**

Empty element. Specifies a vertical rule. It has a single attribute, rty, which specifies the type of rule. Valid values for rty are :

- |    |              |                    |
|----|--------------|--------------------|
| 20 | "." (point)  | for a blank rule,  |
|    | "-" (dash)   | for a single rule, |
|    | "=" (equals) | for a double rule, |
|    | "+" (plus)   | for a bold rule.   |

**Example**

```
<cellrule rty=".">
```

for a blank rule, or

```
<cellrule rty="-">
```

for a single rule.

**ROWRULE**

Empty element. Specifies a sequence of horizontal rules, one per cell in the row. It has a single attribute, rtl, which is a colon-delimited list of rule type specifiers. There must be one rule type specifier for each cell in the row. The valid specifiers are as for cellrule above.

**Example**

For a four-column table

```
<rowrule rtl="-:.:.:.-">
```

would draw a horizontal rule above cells one and four.

-76-

**TABLEROW**

Specifies a row in the table. It has a single attribute, `hdr`, which specifies whether or not the row is a header row in a table which will be repeated over page breaks. The only valid value is "1" (one), which indicates that the row is a header row. An omitted value  
 5 for `hdr` indicates that the row is not a header row. A value is only valid on the first  
 <tablerow> in the table.

**Example**

```
<tablerow hdr="1">
```

indicates that the row is a header row (iff the <tablerow> is the first in the table, else it  
 10 will generate an error).

```
<tablerow>
```

indicates that the row is not a header row if the <tablerow> is the first in the table.

**TABLECELL**

Indicates a cell in a row in a table. It has four optional attributes :

15 `chj=(b|l|r|c)` Horizontal justification for that cell.

`b` for both right and left justified,

`l` for flush left,

`r` for flush right,

`c` for centred.

20 Default: left justified

`cvj=(t|c|b)` Vertical justification for that cell.

`t` for top justified,

`c` for centred, or

25 `b` for bottom justified.

Default: top justified

`spn=INTEGER` For horizontally spanned columns. `VAL` is a whole number representing how many columns are spanned. Note that for horizontal spans, the text appears in the LEFTMOST cell in the span, and all other cells in the span should be void  
 30 of text.

Default: 1

`vspn=INTEGER` For vertically spanned rows. `VAL` is a whole number representing how many rows are spanned. Note that for vertical spans, the text appears in the LOWEST cell in the span, and all other cells in the span should be void of text.

35 Default: 1

**Arbortext table example**

```
-----  

|foo      |      fum      |      |
```



-77-

			fee
spanned		ugh	

5

```

<tbl>
<table wdm="100" cwl="3:4:3">
<rowrule rtl=":-:-">
<tablerow hdr="1">
<cellrule rty="-">
<tablecell>foo</tablecell>
<cellrule rty="-">
<tablecell chj="c">fum</tablecell>
<cellrule rty="-">
<tablecell chj="r" cvj="b">fee</tablecell>
<cellrule rty="-">
</tablerow>
<rowrule rtl=":-:-">
<tablerow>
<cellrule rty="-">
<tablecell spn="2" chj="c">spanned</tablecell>
<cellrule rty="-">
<tablecell chj="c">ugh</tablecell>
<cellrule rty="-">
</tablerow>
<rowrule rtl=":-:-">
</table>
</tbl>

```

30 *Tables get converted to Microsoft Word tables and then converted into Folio Views.*

**EQUATION ELEMENTS**

**General**

This maths DTD is a subset of the Arbortext maths DTD, which itself is derived from the AAP maths DTD.

35 In maths mode, all spaces are ignored (except in a <phr> element as described below). Correct spacing is handled automatically.

All alphabetical characters and symbols are treated as variables and set in italic face, unless they occur within <phr>, <rm> or <rf> elements.

-78-

All numeric characters and operators are set in roman face, unless they occur within an <it> element.

Greek symbols should be entered using the <g> element rather than entity references. E.g. <g>a</g> produces alpha, <g>b</g> beta, etc. Any entity references for Greek characters which appear in equations will be flagged as errors by the parsing program.

**B**

Bold text in an equation.

**DE**

Denominator of a fraction.

**F**

Inline equation.

**FD**

Display equation.

**FEN**

Fence. A pair of bracketed delimiters. The attribute lp (left post) defines the type of the left delimiter as below, and the following element rp (right post) defines the type of the right delimiter.

```
<!ATTLIST fen  lp          (par|sqb|cub|ang|vb)      vb      --
                par      left parenthesis      (
20                sqb     left square bracket   [
                cub      left curly brace       {
                ang      left angle bracket     <
                vb       left vertical bar      |
                -->
```

**FR**

Fraction.

**G**

Greek character or characters. Valid characters are :

	char	equivalent entity
30	a	alpha
	b	beta
	c	chi
	d	delta
	D	Delta
35	e	epsilon
	3	epsiv
	4	phiv
	f	phis

	F	Phi
	g	gamma
	G	Gamma
	h	eta
5	i	iota
	j	thetav
	k	kappa
	l	lambda
	L	Lambda
10	m	mu
	n	nu
	p	pi
	2	piv
	P	Pi
15	q	thetas
	Q	Theta
	r	rho
	s	sigma
	S	Sigma
20	9	rhov
	t	tau
	u	epsilon
	U	Upsilon
	v	sigmav
25	w	omega
	W	Omega
	x	xi
	X	Xi
	y	psi
30	Y	Psi
	z	zeta

**INF**

Inferior. Subscript in an equation.

**IT**

35 Italic text in an equation.

**NU**

Numerator of a fraction.

-80-

**OVL**

Overline.

**PHR**

5 Phrase. In a phrase all characters are set in roman face and keyed space characters are preserved. A phrase is essentially a temporary escape out of maths mode back into normal text mode.

**RAD**

10 Radical or root. Contains a radicand (<rcd>), which is the constructs which appear beneath the top horizontal bar, and an optional radix (rdx), which is the power of the root (e.g. square, cube, 4, etc.).

**RCD**

Radicand. The content of a root construct.

**RDX**

Radix. The power of a root.

15 **RF**

Roman Function. A function name set in roman face, such as log, sin, cos, lim, arg, etc. It differs from the <rm> element in that preceding and following space characters are generated to separate it from surrounding characters.

**RM**

20 Roman face. Used to force an alpha character to be displayed in normal face rather than be treated as a variable and displayed in italic face.

**RP**

25 Right delimiter of a fence. It has a single attribute, post, which defines the type of the delimiter. Valid values are the same as for the lp attribute of the <fen> element, except that they specify the right hand match for the relevant left post.

**SUP**

Superior. A superscript in an equation.

**UNL**

Underline.

30 **Arbortext equation examples**

... by multiplying by the fraction -

A

B

where -

35 &lt;p&gt;... by multiplying by the fraction -&lt;/p&gt;

&lt;math display="block"&gt;\frac{A}{B}

&lt;p&gt;where -&lt;/p&gt;

-81-

... by the formula -

$$\frac{\text{gross taxable income}}{\text{net assets}}$$

5 <p>... by the formula -</p>  
 <dpeqn><fr><nu><phr>gross taxable income</></><de><phr>net  
 assets</></></></>

10 *Equations get converted to Microsoft Word equations and then converted into Folio Views. Alternatively equations get converted to images and added to Folio Views as images.*

11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54  
55  
56  
57  
58  
59  
60  
61  
62  
63  
64  
65  
66  
67  
68  
69  
70  
71  
72  
73  
74  
75  
76  
77  
78  
79  
80  
81  
82  
83  
84  
85  
86  
87  
88  
89  
90  
91  
92  
93  
94  
95  
96  
97  
98  
99  
100

-82-

APPENDIX E

```

<!SGML "ISO 8879:1986"
--
ArborText's default SGML declaration, modified to allow
5 longer id/idref's, and to use a number of special characters
within them.
--

CHARSET
10 BASESET "ISO 646-1983//CHARSET
International Reference Version (IRV)//ESC 2/5 4/0"
DESCSET
          0 9 UNUSED
          9 2 9
15 11 2 UNUSED
13 1 13
14 18 UNUSED
32 95 32
127 1 UNUSED
20 128 128 "High-order characters"

CAPACITY SGMLREF
TOTALCAP 200000
ENTCAP 35000
25 ENTCHCAP 35000
ELEMCAP 35000
GRPCAP 150000
EXGRPCAP 35000
EXNMCAP 35000
30 ATTCAP 50000
ATTCHCAP 35000
AVGRPCAP 35000
NOTCAP 35000
NOTCHCAP 35000
35 IDCAP 35000
IDREFCAP 35000
MAPCAP 35000
LKSETCAP 35000
LKNMCAP 35000
40

SCOPE DOCUMENT

SYNTAX
SHUNCHAR 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
45 18 19 20 21 22 23 24 25 26 27 28 29 30 31 127
BASESET "ISO 646-1983//CHARSET
International Reference Version (IRV)//ESC 2/5 4/0"
DESCSET 0 128 0

```

-83-

```

128 128 "High-order characters"
FUNCTION RE 13
  RS 10
  SPACE 32
5  TABSEPCHAR 9
  NAMING LCNMSTRT ""
    UCNMSTRT ""
    LCNMCHAR "-./[]"
    UCNMCHAR "-./[]"
10  NAMECASE GENERAL YES
    ENTITY NO
  DELIM GENERAL SGMLREF
    SHORTREF SGMLREF
  NAMES SGMLREF
15  QUANTITY SGMLREF
    ATTCNT 100
    ATTSPLEN 960
    BSEQLEN 960
    DTAGLEN 16
20  DTEMPLN 16
    ENTLVL 16
    GRPCNT 100
    GRPGTCNT 96
    GRPLVL 16
25  LITLEN 800
    NAMELEN 64
    NORMSEP 2
    PILEN 1024
    TAGLEN 960
30  TAGLVL 24

FEATURES
MINIMIZE DATATAG NO OMITTAG YES RANK NO SHORTTAG
YES
35 LINK SIMPLE NO IMPLICIT NO EXPLICIT NO
OTHER CONCUR NO SUBDOC NO FORMAL YES
APPINFO NONE >

```

```

40 <!DOCTYPE legislation
[
<!--

```

```

45 DTD for Scantext/Abha Legislation - (C) Turn-Key Systems 1997

```

History:

1997-10-13: fix hist at beginning of regs

-84-

1997-10-07: restore <target> tag  
 1997-10-02: enhanced support for regulations (hist, unconv etc)

```

-->
5  <!-- useful characters such as &mdash; -->
  <!ENTITY % ISOpub public "ISO 8879-1986//ENTITIES Publishing//EN" >
  %ISOpub;

10 <!-- PARAMETER ENTITIES USED TO SIMPLIFY DTD MARKUP -->
  <!entity % major
  "schedule|intcon|article|annex|clause|chapter|part|division|subdivn|section|subsec|
  reg|subreg"
15   -- major levels -->

  <!entity % minor "defn|para|subpar1|subpar2|subpar3|subpar4|point"
  -- minor levels -->

20 <!entity % secreg "section | reg"
  -- used where either sections or regs are appropriate -->

  <!entity % level "%major;| %minor;"
  -- all levels -->

25 <!entity % refs "term|l.ref|h.ref"
  -- references which can be found in normal text -->

  <!entity % raw "(rawtext|rawtable|unconverted)*"
30   -- material such as forms which remains as raw text -->

  <!entity % effect "sc"
  -- typographical effects (more to be added later) -->

35 <!entity % text "(%refs;|%effect;|#PCDATA)*"
  -- normal text (including refs defined above) -->

  <!entity % hnote "hist | note"
  -- hist and note are temporarily interchangeable -->

40 <!entity % body "(p+|repealed), (%hnote;)*"
  -- body of a legislative element -->

  <!entity % lev.id "((label, desc?) | (desc, label?))"
45   -- reversible level id -->

<!-- MASTER ELEMENT -->

```



-85-

```

<!element legislation -- (act | regulations)+
  -- Acts and Regs are currently supported -->

5 <!-- DEFINITIONS OF ACTS AND CONSTITUENT ELEMENTS -->
<!element act -- (desc, (%hnote; | %raw;)*,
  longtitle, preamble?,
  (chapter+ | part+ | section+),
  schedule*, hist*)>
10 <!element longtitle -- (#PCDATA)>
<!element preamble -- (p+) +(para)>

<!element regulations -- (desc, (%hnote; | %raw;)*,
  (chapter+ | part+ | reg+),
  schedule*, hist*)>
15

<!-- MAJOR LEVELS -->
<!element chapter -- (label, desc, (%hnote;)*,
  (((%secreg;)*, part*) | article+))>
20 <!element part -- (label?, desc, hist*,
  (((%secreg;)*, division*) | (article+ | clause+)))>
<!element division -- (label?, desc, (p | %hnote;)*,
  (((%secreg;)*, subdivn*) | clause+))>
<!element subdivn -- (label?, desc, (%hnote;)*,
  ((%secreg;)+ | clause+))>
25 <!element section -- (%lev.id;,
  ((subsec+, (modules | module+)? | repealed))>
<!element subsec -- (%lev.id;,
  ((p, (p | note)*, hist*) | (repealed, note*, hist*)))>
30 <!element modules -- (%lev.id;,
  module+)>
<!element module -- (%lev.id;,
  (submod+ | repealed))>
<!element submod -- (%lev.id;,
  ((p, (p | %hnote; | method | tabloid)* | (repealed, (%hnote;)*)))>
35 <!element reg -- (label?, desc, hist?,
  (subreg+ | repealed))>
<!element subreg -- (label, desc?, hist?,
  ((p, (p | note)*, hist*) | (repealed, note*, hist*)))>
40

<!-- SCHEDULES, CONVENTIONS etc -->
<!element schedule -- (label?, desc?, hist*,
  (chapter+ | part+ | section+ | item+ | p+ | tabloid+ | intcon)?,
  %raw;)>
45 <!element intcon -- (desc, preamble,
  (part+ | division+ | subdivn+ | article+), annex*)>
<!element annex -- (label?, desc, p*,
  (part* | division* | clause* | para*))>

```

-86-

```

5 <!element article -- (label, desc, p*,
      (division* | clause* | para*))>
  <!element clause -- (((label, desc?) | (desc, label)), p+)>
  <!element item -- (label?, desc?, %body;)>

  <!-- DEFINITIONS AND MINOR LEVELS -->
  <!element defn -- (%body;)>
  <!element note -- (label?, p+)>
10 <!element hist -- (label?, (p+ | %raw;))>
  <!element point -- (p+)>

  <!element para -- (label?, %body;)>
  <!element subpar1 -- (label?, %body;)>
15 <!element subpar2 -- (label?, %body;)>
  <!element subpar3 -- (label?, %body;)>
  <!element subpar4 -- (label?, %body;)>

  <!element method -- (%lev.id;, (p | %hnote; | step)+)>
20 <!element step -- (label, %body;)>

  <!-- COMMON CONSTITUENT ELEMENTS -->
  <!element label -- (%text;)
25 -- chapter number, section number, etc. -->
  <!element desc -- (%text;)
  -- chapter name, section name, etc. -->
  <!element term -- (%text;)
  -- defined term -->
30 <!element repealed - o EMPTY
  -- indicates that the enclosing level has been repealed -->
  <!element p -- (%minor| %refs;| %effect| tabloid| amend| target| #PCDATA)*
  -- textual paragraph at any level -->

35 <!-- UNCONVERTED MATERIAL -->
  <!element unconverted - - CDATA
  -- yet to be converted (eg. complex schedules) -->
  <!element rawtext -- CDATA
40 -- unconverted text (eg. forms) -->
  <!element rawtable -- CDATA
  -- unconverted tables (eg. amended provisions) -->

45 <!-- CROSS-REFERENCES -->
  <!element l.ref -- (%text;) -- legislation ref -->
  <!element h.ref -- (%text;) -- history ref -->

```

-87-

```

<!-- AMENDMENT MARKUP -->
<!element amend -- (%refs|%effect|quote|#PCDATA)*
    -- amendment = action + text -->
<!element target -- (#PCDATA)
5    -- target of amendment -->
<!element quote -- (label|desc|p| %level| %refs| %effect|#PCDATA)*
    -- quoted material -->

<!-- PSEUDO-TABLES -->
10 <!element tabloid -- (label?, desc?, (head | row)+)>
<!element head -- (cell+)>
<!element row -- (cell+)>
<!element cell -- (#PCDATA|p)*>

15 <!-- EFFECTS -->
<!element sc -- (#PCDATA) -- small caps -->

20 <!-- ATTRIBUTE LISTS -->
<!attlist act juris (cth|nsw|vic|qld|sa|wa|tas|act|nt|imp)
    #REQUIRED -- jurisdiction --
    year CDATA #REQUIRED -- year assented --
    number CDATA #REQUIRED -- act number --
25    reps CDATA #IMPLIED -- 2nd reading (HR) --
    senate CDATA #IMPLIED -- 2nd reading (Sen) --
    assent CDATA #IMPLIED -- assent date --
    cdate CDATA #IMPLIED -- commencement -->
<!attlist regulations juris (cth|nsw|vic|qld|sa|wa|tas|act|nt|imp)
30    #REQUIRED -- jurisdiction --
    year CDATA #REQUIRED -- year assented --
    number CDATA #REQUIRED -- act number --
    reps CDATA #IMPLIED -- 2nd reading (HR) --
    senate CDATA #IMPLIED -- 2nd reading (Sen) --
35    notified CDATA #IMPLIED -- notification date --
    cdate CDATA #IMPLIED -- commencement -->
<!attlist schedule id ID #IMPLIED -- legislation id --
    cdate CDATA #IMPLIED -- commencement --
    refsec CDATA #IMPLIED -- referring section -->
40 <!attlist chapter id ID #IMPLIED -- legislation id --
    cdate CDATA #IMPLIED -- commencement -->
<!attlist part id ID #IMPLIED -- legislation id --
    cdate CDATA #IMPLIED -- commencement -->
<!attlist division id ID #IMPLIED -- legislation id --
45    cdate CDATA #IMPLIED -- commencement -->
<!attlist subdivn id ID #IMPLIED -- legislation id --
    cdate CDATA #IMPLIED -- commencement -->
<!attlist section id ID #IMPLIED -- legislation id --

```

-88-

```

      cdate CDATA #IMPLIED -- commencement -->
<!attlist subsec id ID #IMPLIED -- legislation id --
      cdate CDATA #IMPLIED -- commencement -->
<!attlist reg id ID #IMPLIED -- legislation id --
5      cdate CDATA #IMPLIED -- commencement -->
<!attlist subreg id ID #IMPLIED -- legislation id --
      cdate CDATA #IMPLIED -- commencement -->
<!attlist l.ref ref IDREF #IMPLIED -- legislation idref -->
<!attlist term id ID #IMPLIED -- term id -->
10 ]>

```

153  
 154  
 155  
 156  
 157  
 158  
 159  
 160  
 161  
 162  
 163  
 164  
 165  
 166  
 167  
 168  
 169  
 170  
 171  
 172  
 173  
 174  
 175  
 176  
 177  
 178  
 179  
 180  
 181  
 182  
 183  
 184  
 185  
 186  
 187  
 188  
 189  
 190  
 191  
 192  
 193  
 194  
 195  
 196  
 197  
 198  
 199  
 200  
 201  
 202  
 203  
 204  
 205  
 206  
 207  
 208  
 209  
 210  
 211  
 212  
 213  
 214  
 215  
 216  
 217  
 218  
 219  
 220  
 221  
 222  
 223  
 224  
 225  
 226  
 227  
 228  
 229  
 230  
 231  
 232  
 233  
 234  
 235  
 236  
 237  
 238  
 239  
 240  
 241  
 242  
 243  
 244  
 245  
 246  
 247  
 248  
 249  
 250  
 251  
 252  
 253  
 254  
 255  
 256  
 257  
 258  
 259  
 260  
 261  
 262  
 263  
 264  
 265  
 266  
 267  
 268  
 269  
 270  
 271  
 272  
 273  
 274  
 275  
 276  
 277  
 278  
 279  
 280  
 281  
 282  
 283  
 284  
 285  
 286  
 287  
 288  
 289  
 290  
 291  
 292  
 293  
 294  
 295  
 296  
 297  
 298  
 299  
 300  
 301  
 302  
 303  
 304  
 305  
 306  
 307  
 308  
 309  
 310  
 311  
 312  
 313  
 314  
 315  
 316  
 317  
 318  
 319  
 320  
 321  
 322  
 323  
 324  
 325  
 326  
 327  
 328  
 329  
 330  
 331  
 332  
 333  
 334  
 335  
 336  
 337  
 338  
 339  
 340  
 341  
 342  
 343  
 344  
 345  
 346  
 347  
 348  
 349  
 350  
 351  
 352  
 353  
 354  
 355  
 356  
 357  
 358  
 359  
 360  
 361  
 362  
 363  
 364  
 365  
 366  
 367  
 368  
 369  
 370  
 371  
 372  
 373  
 374  
 375  
 376  
 377  
 378  
 379  
 380  
 381  
 382  
 383  
 384  
 385  
 386  
 387  
 388  
 389  
 390  
 391  
 392  
 393  
 394  
 395  
 396  
 397  
 398  
 399  
 400  
 401  
 402  
 403  
 404  
 405  
 406  
 407  
 408  
 409  
 410  
 411  
 412  
 413  
 414  
 415  
 416  
 417  
 418  
 419  
 420  
 421  
 422  
 423  
 424  
 425  
 426  
 427  
 428  
 429  
 430  
 431  
 432  
 433  
 434  
 435  
 436  
 437  
 438  
 439  
 440  
 441  
 442  
 443  
 444  
 445  
 446  
 447  
 448  
 449  
 450  
 451  
 452  
 453  
 454  
 455  
 456  
 457  
 458  
 459  
 460  
 461  
 462  
 463  
 464  
 465  
 466  
 467  
 468  
 469  
 470  
 471  
 472  
 473  
 474  
 475  
 476  
 477  
 478  
 479  
 480  
 481  
 482  
 483  
 484  
 485  
 486  
 487  
 488  
 489  
 490  
 491  
 492  
 493  
 494  
 495  
 496  
 497  
 498  
 499  
 500  
 501  
 502  
 503  
 504  
 505  
 506  
 507  
 508  
 509  
 510  
 511  
 512  
 513  
 514  
 515  
 516  
 517  
 518  
 519  
 520  
 521  
 522  
 523  
 524  
 525  
 526  
 527  
 528  
 529  
 530  
 531  
 532  
 533  
 534  
 535  
 536  
 537  
 538  
 539  
 540  
 541  
 542  
 543  
 544  
 545  
 546  
 547  
 548  
 549  
 550  
 551  
 552  
 553  
 554  
 555  
 556  
 557  
 558  
 559  
 560  
 561  
 562  
 563  
 564  
 565  
 566  
 567  
 568  
 569  
 570  
 571  
 572  
 573  
 574  
 575  
 576  
 577  
 578  
 579  
 580  
 581  
 582  
 583  
 584  
 585  
 586  
 587  
 588  
 589  
 590  
 591  
 592  
 593  
 594  
 595  
 596  
 597  
 598  
 599  
 600  
 601  
 602  
 603  
 604  
 605  
 606  
 607  
 608  
 609  
 610  
 611  
 612  
 613  
 614  
 615  
 616  
 617  
 618  
 619  
 620  
 621  
 622  
 623  
 624  
 625  
 626  
 627  
 628  
 629  
 630  
 631  
 632  
 633  
 634  
 635  
 636  
 637  
 638  
 639  
 640  
 641  
 642  
 643  
 644  
 645  
 646  
 647  
 648  
 649  
 650  
 651  
 652  
 653  
 654  
 655  
 656  
 657  
 658  
 659  
 660  
 661  
 662  
 663  
 664  
 665  
 666  
 667  
 668  
 669  
 670  
 671  
 672  
 673  
 674  
 675  
 676  
 677  
 678  
 679  
 680  
 681  
 682  
 683  
 684  
 685  
 686  
 687  
 688  
 689  
 690  
 691  
 692  
 693  
 694  
 695  
 696  
 697  
 698  
 699  
 700  
 701  
 702  
 703  
 704  
 705  
 706  
 707  
 708  
 709  
 710  
 711  
 712  
 713  
 714  
 715  
 716  
 717  
 718  
 719  
 720  
 721  
 722  
 723  
 724  
 725  
 726  
 727  
 728  
 729  
 730  
 731  
 732  
 733  
 734  
 735  
 736  
 737  
 738  
 739  
 740  
 741  
 742  
 743  
 744  
 745  
 746  
 747  
 748  
 749  
 750  
 751  
 752  
 753  
 754  
 755  
 756  
 757  
 758  
 759  
 760  
 761  
 762  
 763  
 764  
 765  
 766  
 767  
 768  
 769  
 770  
 771  
 772  
 773  
 774  
 775  
 776  
 777  
 778  
 779  
 780  
 781  
 782  
 783  
 784  
 785  
 786  
 787  
 788  
 789  
 790  
 791  
 792  
 793  
 794  
 795  
 796  
 797  
 798  
 799  
 800  
 801  
 802  
 803  
 804  
 805  
 806  
 807  
 808  
 809  
 810  
 811  
 812  
 813  
 814  
 815  
 816  
 817  
 818  
 819  
 820  
 821  
 822  
 823  
 824  
 825  
 826  
 827  
 828  
 829  
 830  
 831  
 832  
 833  
 834  
 835  
 836  
 837  
 838  
 839  
 840  
 841  
 842  
 843  
 844  
 845  
 846  
 847  
 848  
 849  
 850  
 851  
 852  
 853  
 854  
 855  
 856  
 857  
 858  
 859  
 860  
 861  
 862  
 863  
 864  
 865  
 866  
 867  
 868  
 869  
 870  
 871  
 872  
 873  
 874  
 875  
 876  
 877  
 878  
 879  
 880  
 881  
 882  
 883  
 884  
 885  
 886  
 887  
 888  
 889  
 890  
 891  
 892  
 893  
 894  
 895  
 896  
 897  
 898  
 899  
 900  
 901  
 902  
 903  
 904  
 905  
 906  
 907  
 908  
 909  
 910  
 911  
 912  
 913  
 914  
 915  
 916  
 917  
 918  
 919  
 920  
 921  
 922  
 923  
 924  
 925  
 926  
 927  
 928  
 929  
 930  
 931  
 932  
 933  
 934  
 935  
 936  
 937  
 938  
 939  
 940  
 941  
 942  
 943  
 944  
 945  
 946  
 947  
 948  
 949  
 950  
 951  
 952  
 953  
 954  
 955  
 956  
 957  
 958  
 959  
 960  
 961  
 962  
 963  
 964  
 965  
 966  
 967  
 968  
 969  
 970  
 971  
 972  
 973  
 974  
 975  
 976  
 977  
 978  
 979  
 980  
 981  
 982  
 983  
 984  
 985  
 986  
 987  
 988  
 989  
 990  
 991  
 992  
 993  
 994  
 995  
 996  
 997  
 998  
 999  
 1000

We claim:

1. A computer-implemented system for publishing an electronic publication using text-based data, comprising:
  - a plurality of predefined portions of text-based data with each predefined portion being stored;
  - at least one predefined portion being modified and stored;
  - a plurality of linking means of a markup language, each predefined portion of said text-based data and said at least one modified predefined portion of text-based data being encoded with at least one linking means; and
  - a plurality of attributes, each attribute being a point on an axis of a multidimensional space for organising said plurality of predefined portions and said at least one modified predefined portion of said text-based data.
2. The system according to claim 1, comprising means for searching within the system.
3. The system according to claim 2, wherein said searching means uses one or more attributes.
4. The system according to claim 2, wherein said searching means uses any predefined portion, any modification of a predefined portion, or any word or phrase within such predefined portion or such modification.
5. The system according to claim 1, further comprising means for searching at least one of said text-based predefined portions of said data using said plurality of attributes, wherein said plurality of attributes are coupled to each of said predefined portions by said respective linking means, and for retrieving one or more of said predefined portions using said plurality of attributes to define a point in said multidimensional space.
6. The system according to claim 1, wherein said markup language is Standard Generalised Markup Language (SGML) or eXtensible Markup Language (XML).
7. The system according to claim 6, wherein said text-based data is encoded using one or more Document Type Definitions (DTD) or Style Sheet Mechanisms (SSM).
8. The system according to claim 1, wherein said linking means comprises any piece of information additional to the body of the text-based data.
9. The system according to claim 8, wherein said linking means is a code or markup that allows departure and destination points to be created between portions of said text-based data.
10. The system according to claim 1, wherein said at least one linking means comprises an identification code for said respective predefined portion.
11. The system according to claim 1, wherein a first database comprises said plurality of predefined portions of text-based data.
12. The system according to claim 11, wherein a second database comprises said plurality of attributes for managing said first database.
13. The system according to claim 1, wherein said predefined portions are encoded with one or more attributes.
14. The system according to claim 1, wherein said respective predefined portion is changed by performing one of the group consisting of adding at least one attribute to said respective predefined portion, deleting at least one attribute from said respective predefined portion, and modifying at least one of the attributes of said respective predefined portion.
15. The system according to claim 1, wherein said respective predefined portion is changed by performing one of the group consisting of adding data to said respective predefined portion, deleting data from said respective predefined portion, and modifying data of said respective predefined portion.

16. The system according to claim 1, wherein said text-based data comprises legislation.
17. The system according to claim 16, wherein each of said plurality of predefined portions of said text-based data is a respective provision of said legislation.
18. The system according to claim 17, wherein said provision is a section or schedule of an Act, or a regulation or schedule of a Regulation(s).
19. The system according to claim 1, wherein each predefined portion is a block of said text-based data, said block being larger than a single word and less than an entire document of said text-based data.
20. A computer readable recording medium for publishing an electronic publication using text-based data, comprising:
  - a plurality of predefined portions of text-based data with each predefined portion being stored;
  - at least one predefined portion being modified and stored; and
  - a plurality of linking means of a markup language, each predefined portion of said text-based data and said at least one modified predefined portion of text-based data being encoded with at least one linking means; and
  - a plurality of attributes, each attribute being a point on an axis of a multidimensional space for organising said plurality of predefined portions and said at least one modified predefined portion of said text-based data.
21. The recording medium according to claim 20, wherein means for searching can be used to search the recording medium.
22. The recording medium according to claim 21, wherein said searching means uses one or more attributes.
23. The recording medium according to claim 21, wherein said searching means uses any predefined portion, any modification of a predefined portion, or any word or phrase within such predefined portion or such modification.
24. The recording medium according to claim 20, further comprising means for searching at least one of said predefined portions of said text-based data uses said plurality of attributes, wherein said plurality of attributes are coupled to each of said predefined portions by said respective linking means, and for retrieving one or more of said predefined portions using said plurality of attributes to define a point in said multidimensional space.
25. The recording medium according to claim 20, wherein said markup language is Standard Generalised Markup Language (SGML) or eXtensible Markup Language (XML).
26. The recording medium according to claim 25, wherein said text-based data is encoded using one or more Document Type Definitions (DTD) or Style Sheet Mechanisms (SSM).
27. The recording medium according to claim 20, wherein said linking means comprises any piece of information additional to the body of the text-based data.
28. The recording medium according to claim 27, wherein said linking means is a code or markup that allows departure and destination points to be created between portions of said text-based data.
29. The recording medium according to claim 20, wherein said at least one linking means comprises an identification code for said respective predefined portion.
30. The recording medium according to claim 20, wherein a first database comprises said plurality of predefined portions of said text-based data.
31. The recording medium according to claim 30, wherein a second database comprises said plurality of attributes for managing said first database.
32. The recording medium according to claim 20, wherein said predefined portions are encoded with one or more attributes.

33. The recording medium according to claim 20, wherein said respective predefined portion is changed by performing one of the group consisting of adding at least one attribute to said respective predefined portion, deleting at least one attribute from said respective predefined portion, and modifying at least one of the attributes of said respective predefined portion.

34. The recording medium according to claim 20, wherein said respective predefined portion is changed by performing one of the group consisting of adding data to said respective predefined portion, deleting data from said respective predefined portion, and modifying data of said respective predefined portion.

35. The recording medium according to claim 20, wherein said text-based data comprises legislation.

36. The recording medium according to claim 35, wherein each of said plurality of predefined portions of said text-based data is a respective provision of said legislation.

37. The recording medium according to claim 36, wherein said provision is a section or schedule of an Act, or a regulation or schedule of a Regulation(s).

38. The recording medium according to claim 20, wherein said recording medium is made from one of the group consisting of magnetic media, optical media, and magneto-optical media.

39. The recording medium according to claim 20, wherein each predefined portion is a block of said text-based data, said block being larger than a single word and less than an entire document of said text-based data.

40. A computer-implemented method for publishing an electronic publication using text-based data, comprising the steps of:

- providing a plurality of predefined portions of text-based data with each predefined portion being stored;
- encoding each predefined portion of said text-based data with at least one linking means of a markup language;
- providing at least one predefined portion being modified and stored;
- providing a plurality of attributes, each attribute being a point on an axis of a multidimensional space for organising said plurality of predefined portions and said at least one modified predefined portion of said text-based data.

41. The method according to claim 40, comprising the step of searching said text-based data.

42. The method according to claim 41, wherein said searching step uses one or more attributes.

43. The method according to claim 41, wherein said searching step uses any predefined portion, any modification of a predefined portion, or any word or phrase within such predefined portion or such modification.

44. The method according to claim 40, further comprising the step of searching at least one of said predefined portions of said text-based data using said plurality of attributes, wherein said plurality of attributes are coupled to each of

said predefined portions by said respective linking means, and for retrieving one or more of said predefined portions using said plurality of attributes to define a point in said multidimensional space.

45. The method according to claim 40, wherein said markup language is Standard Generalised Markup Language (SGML) or eXtensible Markup Language (XML).

46. The method according to claim 45, wherein said text-based data is encoded using one or more Document Type Definitions (DTD) or Style Sheet Mechanisms (SSM).

47. The method according to claim 40, wherein said linking means comprises any piece of information additional to the body of the text-based data.

48. The method according to claim 47 wherein said linking means is a code or markup that allows departure and destination points to be created between portions of said text-based data.

49. The method according to claim 40, wherein said at least one linking means comprises an identification code for said respective predefined portion.

50. The method according to claim 40, wherein a first database comprises said plurality of predefined portions of said text-based data.

51. The method according to claim 50, wherein a second database comprises said plurality of attributes for managing said first database.

52. The method according to claim 40, wherein said predefined portions are encoded with one or more attributes.

53. The method according to claim 40, wherein said respective predefined portion is changed by performing one of the group consisting of adding at least one attribute to said respective predefined portion, deleting at least one attribute from said respective predefined portion, and modifying at least one of the attributes of said respective predefined portion.

54. The method according to claim 40, wherein said respective predefined portion is changed by performing one of the group consisting of adding data to said respective predefined portion, deleting data from said respective predefined portion, and modifying data of said respective predefined portion.

55. The method according to claim 40, wherein said text-based data comprises legislation.

56. The method according to claim 55, wherein each of said plurality of predefined portions of text-based data is a respective provision of said legislation.

57. The method according to claim 56, wherein said provision is a section or schedule of an Act, or a regulation or schedule of a Regulation(s).

58. The method according to claim 40, wherein each predefined portion is a block of said text-based data, said block being larger than a single word and less than an entire document of said text-based data.

\* \* \* \* \*