



AFCTN Test Report 94-124

AFCTB-ID
94-065



TMSS Parsing Test

MIL-M-87929A, Appendix A, Work
Package



Document Type Definition



MAXIMA Corporation

DISA Contract #DCA100-93-D-0065



Quick Short Test Report

31 May 1994



Prepared for
Electronic Systems Center
Air Force CALS Program Office
HQ ESC/AV-2
4027 Colonel Glenn Hwy Suite 300
Dayton OH 45431-1672

19960321 119

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For:

MAXIMA Corporation
DISA Contract #DCA100-93-D-0065

Quick Short Test Report

31 May 1994

Prepared By

Air Force CALS Test Bed
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Air Force CALS Test Bed

Notification of Test Results

31 May 1994

This notice documents the results of an Air Force CALS Test Bed (AFCTB) Quick Short Test Report (QSTR) evaluation of data submitted by:

MAXIMA Corporation

Identified as follows:

Title:	MIL-M-87929A, Appendix A, Work Package DTD Parsing Test
Program:	DISA
Program Office:	DISA
Contract No.:	DCA100-93-D-0065
QSTR No.:	AFCTB-ID 94-065

Received on the following media: **3.5" Diskette**

The results of the QSTR evaluation are as follows:

MIL-STD-1840A Media Format:	N/A
MIL-D-28000A IGES:	N/A
MIL-M-28001B SGML:	Fail
MIL-R-28002A Raster:	N/A
MIL-D-28003 CGM:	N/A

Formal results with associated disclaimer are documented and available from the AFCTB.

**Air Force CALS Test Bed
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1. Introduction

1.1 Background

The Department of Defense (DoD) Air Force Continuous Acquisition and Life-cycle Support (CALs) Test Network (AFCTN) is conducting tests of the military standard for the Automated Interchange of Technical Information, MIL-STD-1840A, and its companion suite of military specifications. The AFCTN is a DoD sponsored confederation of voluntary participants from industry and government managed by the Electronic Systems Center (ESC).

The primary objective of the AFCTN is to evaluate the effectiveness of the CALs standards for technical data interchange and to demonstrate the technical capabilities and operational suitability of those standards. Two general categories of tests are performed to evaluate the standards; formal and informal.

Formal tests are large and comprehensive, which follow a written test plan, require specific authorization from the DoD, and may take months to prepare, execute, and report.

Informal tests are quick and short, used by the AFCTN technical staff, to broaden the testing base. They include representative samples of the many systems and applications used by AFCTN participants. They also allow the AFCTN staff to gain feedback from many industry and government interpretations of the standards, to increase the base of participation in the CALs initiative, and respond to the many requests for help that come from participants. Participants take part voluntarily, benefit by receiving an evaluation of their latest implementation (interpretation) of the standards, interact with the AFCTN technical staff, gain experience using the standards, and develop increased confidence in them. The results of informal tests are reported in Quick Short Test Reports (QSTRs) that briefly summarize the standard(s) tested, the hardware and software used, the nature of the test, and the results.

1.2 Purpose

The purpose of this informal test is to analyze Air Force Document Type Definitions (DTDs) for Standard Generalized Markup Language (SGML) syntax, using several commercial and public domain SGML parsers, prior to placing them in the Defense Information Systems Agency (DISA) Asset Source for Software Engineering Technology (ASSET) repository.

2. Test Parameters

Test Plan: AFCTB 94-065

Date of Evaluation: 31 May 1994

Evaluator: George Elwood
Air Force CALS Test Bed
DET 2 HQ ESC/AV-2P
4027 Colonel Glenn Hwy
Suite 300
Dayton OH 45431-1672

Data Originator: Kay Hill
MAXIMA Corporation
2372 Lakeview Drive
Beavercreek OH 45431
(513) 427-5888

Data Description: Technical Manual Test
1 DTD

Data Source System:

Text/SGML
SOFTWARE
Unknown

Evaluation Tools Used:

MIL-M-28001 (SGML)
PC 486/50
Exoterica XGMLNormalizer v1.2e3.2
Exoterica Validator v2.2 ex1
McAfee & McAdam Sema Mark-it v2.3
Public Domain sgmls 1.1

Standards Tested: MIL-M-28001B

3. 1840A Analysis

3.1 External Packaging

The 3.5" diskette was hand delivered to the Air Force CALS Test Bed (AFCTB). It was not enclosed in any type of container.

The files received by the AFCTB were not MIL-STD-1840A. The files were not named per the standard conventions, as the stated purpose of the evaluation was the basic data structure.

4. SGML Analysis

The AFCTB has several parsers available for evaluating submitted DTD and text files. These tools are not used to generate a pass/fail but to report how commercially available software can handle the files. These products are used in the development of technical publications and are good indicators of usability. The use of these products is not an endorsement nor an indication of CALS capability. All operations were performed using the default settings unless specified in the report.

The goal was to configure the DTD under analysis as it would normally be used. However, for this analysis it was necessary to modify the DTD adding the "DOCTYPE doc [" statement to the start and the companion "]">" to the end of the DTD under evaluation, as stated in the comments of the DTD. If the parser did not support a formal file pointing to the location of the ISO character sets, this was added.

The DTD under evaluation MIL-M-87929A, Appendix A, Work Package, called a sequence of companion DTDs each in turn, as illustrated by the diagram below. These DTDs were delivered on the same diskette as the DTD to be evaluated. The DTDs were not changed except to point to the succeeding DTD in the sequence and to insert the location of the ISO character set files in the D784CB0.A3 DTD.

<!-- MIL-M-87929A Work Package DTD -->

D929AA0.ORG —> D807BA0.A1
 |
 -> D784CB0.A3

The following notes apply to the parsing analysis as indicated in the ensuing paragraphs.

Note 1. Entity parameters defined more than once is a valid SGML construct. The duplicate definition errors and/or warnings in this analysis do not indicate any problems.

Note 2. The occurrences of warnings "references defined, but not used," appeared because portions of the called DTD, i.e., MIL-M38784C, were not used. They were not used because the entity definitions of the DTD under analysis altered the execution path in the called DTD. The warnings in this analysis do not indicate any problems.

4.1 Exoterica Validator

The DTD file was evaluated using the *Exoterica Validator* exl parser. The basic DTD was modified by placing the concrete syntax file and "<!DOCTYPE doc [" at the start and the "]">" at the end. The parser reported 36 errors which related to the missing instance and are not considered errors for this analysis.

The parser reported 57 total warnings of three types. The first type warning was a parameter entity declared more than once. See Note 1 above.

```
<!-- **Warning** in "c:\ws\807b.dtd" (entity "%m38807b"), line 31,  
      used in "\xgml\9465.dtd", line 277:  
      A parameter entity name has been declared more than once.  
      The entity is "%frnt".  
      <!ENTITY % frnt "(idinfo, lep, verstat?, contents)" >  
      ****  
-->
```

The second type of warning related to elements defined but not used in any content model. See Note 2 above.

```
<!-- **Warning** in "\xgml\9465.dtd", line 651:
  An element is not allowed in the document instance because it does not
  appear in any accessible content model or it is completely excluded.
  The element is "APPENDIX".
-->
```

The third type warning was an element used but not defined. This warning indicates an error in the DTD syntax.

```
<!-- **Warning** in "\xgml\9465.dtd", line 651:
  An element name specified in a USEMAP declaration, ATTLIST declaration or
  content model is not defined by an ELEMENT declaration.
  The element name is "UNIT".
-->
```

4.2 Exoterica XGML Normalizer

The DTD file was parsed using the Exoterica *XGMLNormalizer* parser. The concrete syntax and "`<!DOCTYPE doc ["` were added to the start and "`"]>`" to the end of the file. One warning was issued by this utility for an element used but not defined. This warning indicates an error in the DTD syntax.

```
C:\XGML\XGMLNORM.EXE --
Warning on line 651 in file 9465.dtd:
An undeclared element name was used in a content model.
The element is 'UNIT'.
```

Also reported was a TOTCAP exceeded warning. The TOTCAP was reset to 250000 for the DTD.

4.3 Public Domain sgmls

The DTD file was evaluated using the Public Domain *sgmls* parser version 1.1. The file was modified by adding the "<!DOCTYPE doc [" to the start and "]">" to the end of the file as stated in the comments in the DTD. The D807BA0.A1 and D784CB0.A3 files were used as the pointed to files. Twenty-one errors were reported by the parser, all of which were duplicate definitions. See Note 1 above.

sgmls: In file included at \ws\9465.dtd, line 206:
Warning at c:\ws\807b.dtd, line 31 in declaration parameter 4:
Duplicate specification occurred for "%frnt"; duplicate ignored.

Also reported was a TOTCAP exceeded warning. The TOTCAP was reported as 221093.

4.4 Sema Mark-it

The DTD file was evaluated using McAfee & McAdam's *Sema Mark-it* v2.3 parser. The file was modified by adding the concrete syntax and "<!DOCTYPE doc [" to the start and "]">" to the end of the file. Several warnings were issued by this program for duplicate elements. Five warnings were issued for elements used and not defined. This warning indicates an error in the DTD syntax.

5. Conclusions and Recommendations

The file D929AA0.ORG, MIL-M-87929A, Appendix A, Work Package, does not conform to the SGML syntax of ISO Standard 8879, as required by the CALS MIL-M-28001B specification. This conclusion is derived from the parser test warnings which indicate elements are used that are not defined.

6. Appendix A - Detailed SGML Analysis

6.1 Exoterica Validator

```
<!-- **Warning** in "c:\ws\807b.dtd" (entity "%m38807b"), line 31,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%frnt".
      <!ENTITY % frnt "(idinfo, lep, verstat?, contents)" >
      ~~~~~
-->
<!-- **Warning** in "c:\ws\807b.dtd" (entity "%m38807b"), line 45,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%yesorno".
      <!ENTITY % yesorno "NUMBER" >
      ~~~~~
-->
<!-- **Warning** in "c:\ws\807b.dtd" (entity "%m38807b"), line 88,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%ipbforwd".
      <!ENTITY % ipbforwd "(modelcover, serialization?, finding?, simassem?,
      ~~~~~
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 18,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%math".
      <!ENTITY % math "IGNORE" >
      ~~~~~
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 33,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%mathtxt".
      <!ENTITY % mathtxt " " >
      ~~~~~
-->
```

```
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 37,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%shortitleuse".
      <!ENTITY % shortitleuse "IGNORE" >
      ~~~~~
```

```
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 45,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%shortitle".
      <!ENTITY % shortitle " " >
      ~~~~~
```

```
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 47,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%yesorno".
      <!ENTITY % yesorno "NUMBER" >
      ~~~~~
```

```
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 50,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%itemid".
      <!ENTITY % itemid
      ~~~~~
```

```
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 62,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%content".
      <!ENTITY % content
      ~~~~~
```

```
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 71,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%bodyatt".
      <!ENTITY % bodyatt
      ~~~~~
```

```
-->
```

```
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 82,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%list".
      <!ENTITY % list "(seqlist | randlist | deflist)" >
      *****
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 86,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%spcpara".
      <!ENTITY % spcpara "(warning?, caution?, note?)" >
      *****
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 107,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%frnt".
      <!ENTITY % frnt "(idinfo, warnpage?, chginsst?, lep, verstat?,
      *****
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 117,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%fpi".
      <!ENTITY % fpi "(para0, (para0 | %list; | symsect | abbrsect |
      *****
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 126,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%titles".
      <!ENTITY % titles "title %shorttitle;" >
      *****
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 133,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%fig".
      <!ENTITY % fig "(%titles;, (subfig+ | (graphic | macrograph |
      *****
-->
```

```
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 165,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%bodyele".
      <!ENTITY % bodyele "(chapter, chapter+, ddchapter?)" >
      ~~~~~
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 190,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%graphatt".
      <!ENTITY % graphatt
      ~~~~~
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 228,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%entryatt".
      <!ENTITY % entryatt
      ~~~~~
-->
<!-- **Warning** in "i:\dtd\784c.dtd" (entity "%m38784c"), line 248,
      used in "c:\ws\807b.dtd" (entity "%m38807b"), line 103,
      used in "\xgml\9465.dtd", line 277:
      A parameter entity name has been declared more than once.
      The entity is "%lrp".
      <!ENTITY % lrp "(tmidno, title)+>
      ~~~
-->
<!-- **Warning** in "\xgml\9465.dtd", line 651:
      An element is not allowed in the document instance because it does not
      appear in any accessible content model or it is completely excluded.
      The element is "APPENDIX".
-->
```

<<<< PART OF MESSAGE TEXT REMOVED HERE >>>>

The element is "BODY".
The element is "CHAPTER".
The element is "CHGINSSHT".
The element is "CHGLIST".
The element is "CHGREC".
The element is "DATE".
The element is "DATEINC".
The element is "DDCHAPTER".
The element is "DDDESC".
The element is "DDINDEX".
The element is "DDINTRO".
The element is "DDLIST".
The element is "DOC".
The element is "DOCIPB".
The element is "DOCPART".
The element is "ECPNO".
The element is "FOREWORD".
The element is "GLOSSARY".
The element is "INDEX".
The element is "INSERTPG".
The element is "INTRO".
The element is "PENAPP".
The element is "PGNO".
The element is "PREFACE".
The element is "RATD".
The element is "REAR".
The element is "REINTEST".
The element is "REMOVEPG".
The element is "REPTTEST".
The element is "SECTION".
The element is "SHORTTITLE".
The element is "TYPENO".

-->

<!-- **Warning** in "\xgml\9465.dtd", line 651:

An element name specified in a USEMAP declaration, ATTLIST declaration or content model is not defined by an ELEMENT declaration.
The element name is "UNIT".

-->

The element is "VOLUME".
The element is "WARNPAGE".

-->

<<<<< ERRORS FROM THIS POINT ON RELATE TO NO DOCUMENT INSTANCE AND ARE NOT CONSIDERED FOR THIS REPORT >>>>>

<!-- **Error** in "\xgml\9465.dtd", line 652:

The document instance must consist of at least one tag or data character.
The following element can start: "DOCWP".

```
-->
<!-- Capacity points/limits:
TOTALCAP =223774/250000
ENTCAP   =13504/200000
ENTCHCAP =19700/70000
ELEMCAP  =8608/70000
GRPCAP   =65056/70000
EXGRPCAP =1536/70000
EXNMCAP  =3936/70000
ATTCAP   =78336/200000
ATTCHCAP =1895/70000
AVGRPCAP =30944/70000
NOTCAP   =96/70000
NOTCHCAP =163/70000
IDCAP    =0/70000
IDREFCAP =0/70000
MAPCAP   =0/70000
LKSETCAP =0/70000
LKNMCAP  =0/70000
-->
<!-- 36 errors and 57 warnings reported. -->
```

6.2 Exoterica XGMLNormalizer Parser

C:\XGML\XGMLNORM.EXE --

Warning on line 651 in file 9465.dtd:

An undeclared element name was used in a content model.

The element is 'UNIT'.

6.3 Public Domain sgmls Log

sgmls: In file included at \ws\9465.dtd, line 206:
Warning at c:\ws\807b.dtd, line 31 in declaration parameter 4:
Duplicate specification occurred for "%frnt"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
Warning at c:\ws\807b.dtd, line 45 in declaration parameter 4:
Duplicate specification occurred for "%yesorno"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
Warning at c:\ws\807b.dtd, line 90 in declaration parameter 4:
Duplicate specification occurred for "%ipbforwd"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 18 in declaration parameter 4:
Duplicate specification occurred for "%math"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 33 in declaration parameter 4:
Duplicate specification occurred for "%mathtxt"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 37 in declaration parameter 4:
Duplicate specification occurred for "%shorttitleuse"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 45 in declaration parameter 4:
Duplicate specification occurred for "%shorttitle"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 47 in declaration parameter 4:
Duplicate specification occurred for "%yesorno"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 60 in declaration parameter 4:
Duplicate specification occurred for "%itemid"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 69 in declaration parameter 4:
Duplicate specification occurred for "%content"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 80 in declaration parameter 4:
Duplicate specification occurred for "%bodyatt"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 82 in declaration parameter 4:
Duplicate specification occurred for "%list"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 86 in declaration parameter 4:
Duplicate specification occurred for "%spcpara"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 109 in declaration parameter 4:
Duplicate specification occurred for "%frnt"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 118 in declaration parameter 4:
Duplicate specification occurred for "%fpi"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 126 in declaration parameter 4:
Duplicate specification occurred for "%titles"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 134 in declaration parameter 4:
Duplicate specification occurred for "%fig"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 165 in declaration parameter 4:
Duplicate specification occurred for "%bodyele"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 204 in declaration parameter 4:
Duplicate specification occurred for "%graphatt"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 238 in declaration parameter 4:
Duplicate specification occurred for "%entryatt"; duplicate ignored

sgmls: In file included at \ws\9465.dtd, line 206:
In file included at c:\ws\807b.dtd, line 103:
Warning at i:\dtd\784c.dtd, line 248 in declaration parameter 4:
Duplicate specification occurred for "%lrp"; duplicate ignored

sgmls: Warning at \ws\9465.dtd, line 580 at record end:
Element "UNIT" used in DTD but not defined
sgmls: SGML error:
Capacity limit TOTALCAP exceeded by 21093 points

6.4 Sema Mark-it Log

<!--*** file:\xgml\9465.dtd line:361 pos:13459
Generic identifiers can be declared only once.
Remove duplicate EFFECT declaration.-->

<!--*** file:\xgml\9465.dtd line:362 pos:13493
An attribute list has already been associated with this
element (EFFECT). (MARK-IT will add the new declaration to previous
declaration, but the two declarations will need to be concatenated before
the DTD is exported.)-->

<!--*** file:\xgml\9465.dtd line:362 pos:13505
Attribute SECURITY has already been declared for the EFFECT element.
Duplicated attribute names must be changed.-->

<!--*** file:\xgml\9465.dtd line:362 pos:13505
The U name token has already been used as a name token in another
group in this attribute definition list. Duplicated entries must be removed.-->

<!--*** file:\xgml\9465.dtd line:362 pos:13505
The C name token has already been used as a name token in another
group in this attribute definition list. Duplicated entries must be removed.-->

<!--*** file:\xgml\9465.dtd line:362 pos:13505
The S name token has already been used as a name token in another
group in this attribute definition list. Duplicated entries must be removed.-->

<!--*** file:\xgml\9465.dtd line:589 pos:20729
Generic identifiers can be declared only once.
Remove duplicate SYSNO declaration.-->

<!--*** file:\xgml\9465.dtd line:590 pos:20761
An attribute list has already been associated with this
element (SYSNO). (MARK-IT will add the new declaration to previous
declaration, but the two declarations will need to be concatenated before
the DTD is exported.)-->

<!--*** file:\xgml\9465.dtd line:590 pos:20773
Attribute SECURITY has already been declared for the SYSNO element.
Duplicated attribute names must be changed.-->

<!--*** file:\xgml\9465.dtd line:590 pos:20773
The U name token has already been used as a name token in another
group in this attribute definition list. Duplicated entries must be removed.-->

<!--*** file:\xgml\9465.dtd line:590 pos:20773
The C name token has already been used as a name token in another
group in this attribute definition list. Duplicated entries must be removed.-->

<!--*** file:\xgml\9465.dtd line:590 pos:20773
The S name token has already been used as a name token in another
group in this attribute definition list. Duplicated entries must be removed.-->

<!--*** file:\xgml\9465.dtd line:315 pos:11948
Warning: Element UNIT, used in the model of element CONTLIST,
has not been declared in the DTD.-->

<!--*** file:\xgml\9465.dtd line:440 pos:16257
Warning: Element IPBFORWARD, used in the model of element IPBWP,
has not been declared in the DTD.-->

<!--*** file:\xgml\9465.dtd line:440 pos:16257
Warning: Element PL, used in the model of element IPBWP,
has not been declared in the DTD.-->

<!--*** file:\xgml\9465.dtd line:440 pos:16257
Warning: Element NUMINDX, used in the model of element IPBWP,
has not been declared in the DTD.-->

<!--*** file:\xgml\9465.dtd line:440 pos:16257
Warning: Element RFDSINDX, used in the model of element IPBWP,
has not been declared in the DTD.-->

ATTCNT --100-- 48
ATTSPLEN --960-- 0
BSEQLEN --960-- 0
DTAGLEN --16-- 0
DTEMPLN --16-- 0
ENTLVL --16-- 3
GRPCNT --32-- 22
GRPGTCNT --96-- 37
GRPLVL --16-- 6
LITLEN --3048-- 1514
NAMELEN --32-- 13
NORMSEP --2-- 0
PILEN --240-- 0
TAGLEN --960-- 0
TAGLVL --24-- 0
MSDLVL --24-- 2

TOTALCAP --250000-- 202605
ENTCAP --200000-- 16640
ENTCHCAP --70000-- 16359
ELEMCAP --70000-- 8096
GRPCAP --70000-- 66720
EXGRPCAP --70000-- 1536
EXNMCAP --70000-- 3904
ATTCAP --200000-- 60128
ATTCHCAP --70000-- 1574
AVGRPCAP --70000-- 27392
NOTCAP --70000-- 96
NOTCHCAP --70000-- 160
IDCAP --70000-- 0
IDREFCAP --70000-- 0
MAPCAP --70000-- 0
LKSETCAP --70000-- 0
LKNMCP --70000-- 0