

Implementation of
ENV 1285:1995

Information processing — Techniques for using SGML — Application for European Standards

Committees responsible for this Draft for Development

The preparation of this Draft for Development was entrusted to Technical Committee IST/18, Document processing and related communication, upon which the following bodies were represented:

- British Computer Society
- British Telecommunications plc
- Digital Equipment Co. Ltd.
- CCTA (The Government Centre for Information Systems)
- IBM United Kingdom Ltd.
- Joint Information Systems Committee
- International Computers Limited
- Kodak Limited
- Level 7 Ltd.
- National Computing Centre Ltd.
- National Health Services
- Rank Xerox Ltd.
- SEMA Group Systems Ltd.
- Coopted members

This Draft for Development, having been prepared under the direction of the Information Systems Technology Assembly, was published under the authority of the Standards Board and comes into effect on 15 August 1995

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The following BSI reference relates to the work on this Draft for Development: Committee reference IST/18

ISBN 0 580 24364 8

Amendments issued since publication

Amd. No.	Date	Comments

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National foreword

This Draft for Development is identical with European Prestandard ENV 1285:1995 *Information processing — Techniques for using SGML — Application for European Standards*, prepared by the European Committee for Standardization (CEN) whose members have committed themselves to making it available in an appropriate form. In the UK the Draft for Development is the form now chosen for ENVs in the information technology area.

This Draft for Development is published under the direction of the Information Systems Technology Assembly, whose Technical Committee IST/18 has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

NOTE International and European Standards, as well as overseas standards, are available from Customer Services, BSI, 389 Chiswick High Road, London W4 4AL.

After two years this ENV will be reviewed by CEN members with a view to its:

- conversion into a European Standard;
- extension once for a further 2 years;
- replacement by a revised ENV;
- withdrawal.

The future of this Draft for Development is therefore dependent on that of the ENV.

This publication is not to be regarded as a British Standard.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the ENV title page, pages 2 to 80 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Information processing — Techniques for using SGML — Application for European Standards

Traitement de l'information — Techniques
d'utilisation du SGML — Application pour les
normes européennes

Informationsverarbeitung — Techniken für
den Gebrauch von SGML — Anwendung für
Europäische Normen

This European Prestandard (ENV) was approved by CEN on 1994-04-05 as a prospective standard for provisional application. The period of validity of this ENV is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the ENV can be converted into an European Standard (EN).

CEN members are required to announce the existence of this ENV in the same way as for an EN and to make the ENV available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the ENV) until the final decision about the possible conversion of the ENV into an EN is reached.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

This European Prestandard has been prepared as a result of the work carried out in the project Eurostand SGML 1155 under the IMPACT programme initiated by the Commission of the European Communities. The participating partners in the project were AFNOR, BSI and DIN who worked in close cooperation with the International Organization for Standardization (ISO).

This European Prestandard provides the Document Type Definition (DTD) that is required for an SGML application for European Standards. It is closely based on the DTD described in

ISO/IEC TR 9573-11, a type 3 technical report. It is expected that a revision of this technical report will be proposed to the responsible committee (JTC 1) for conversion to an International Standard. The maintenance of both the ISO DTD and the European DTD will be monitored by a single Maintenance Group and as a result it is expected that future work on the ENV 1285 and the ISO/IEC TR will be carried out in common so that in the end the European standard and International Standard can be published at the same time and that their common part be identical.

As a result of the work within the Impact project this ENV provides an informative annex describing a subset of the DTD to facilitate the authoring of a standard in an SGML-encoded format. The subset does **not** replace the full DTD.

The European references to international publications are given in Annex A (informative) and in Annex B (informative).

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to announce the existence of this European Prestandard:

Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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Introduction

Rules for the description and markup of documents for publishing and interchange are contained in ISO 8879 Information processing — Text and office systems — Standard Generalized Mark-Up Language (SGML). ENV 1285, like ISO/IEC TR 9573-11, complements that standard but it is not, and should not be regarded as, an extension, modification or interpretation of ISO 8879.

As part of the European project, the DTD for European Standards has been validated by the preparation of a sample of prENs using different SGML tools, and by the experiences gained within ISO which has been using SGML in a production environment for a number of years.

The DTD consists of two parts — a specific part mainly related to the front matter of European standards and a common part (stdcomt) derived from the ISO DTD. The one significant addition that has been made to the common part for the European DTD relates to the inclusion of a CALS structure for handling tables as well as the ISO structure. This inclusion is intended to encourage the widest possible use of this European SGML application within the standards-making organizations given the current stage of development in handling tables by SGML formatting tools.

Other differences between ISO and the European DTD arise from the need to take into account particular requirements as detailed in the CEN/CENELEC Internal Regulations Part 3:1990 Rules for the Drafting and presentation of European Standards (PNE-Rules). These differences are described within the EN specific part of the DTD.

1 Scope

This European Prestandard defines the formal Document Type Definition (DTD) (i.e. elements required, generic identifiers, attributes, and their structure) to be used in SGML applications for European Standards (EN), European Prestandards (ENV) and Harmonization Documents (HD).

This DTD does not apply to corrigenda or amendments.

It is applicable for the drafting and publication phase process.

This DTD has been divided into a specific part mainly related to the front matter of European documents and a common part which is not only applicable to European documents but also to ISO documents since it is basically conformant to ISO/IEC TR 9573-11:1992.

NOTE This ENV also includes a subset of the DTD in an informative annex.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

ISO/IEC TR 9573-11:1992, *Information processing — SGML support facilities — Techniques for using SGML — Part 11: Application at ISO Central Secretariat for International Standards and Technical Reports*.

ISO 8879:1986, *Information processing — Text and Office Systems — Standard Generalized Markup Language (SGML)*¹⁾.

CEN/CENELEC Internal Regulations Part 3:1990 Rules for the Drafting and presentation of European Standards (PNE-Rules).

NOTE See also the bibliography.

3 DTD for European Standards

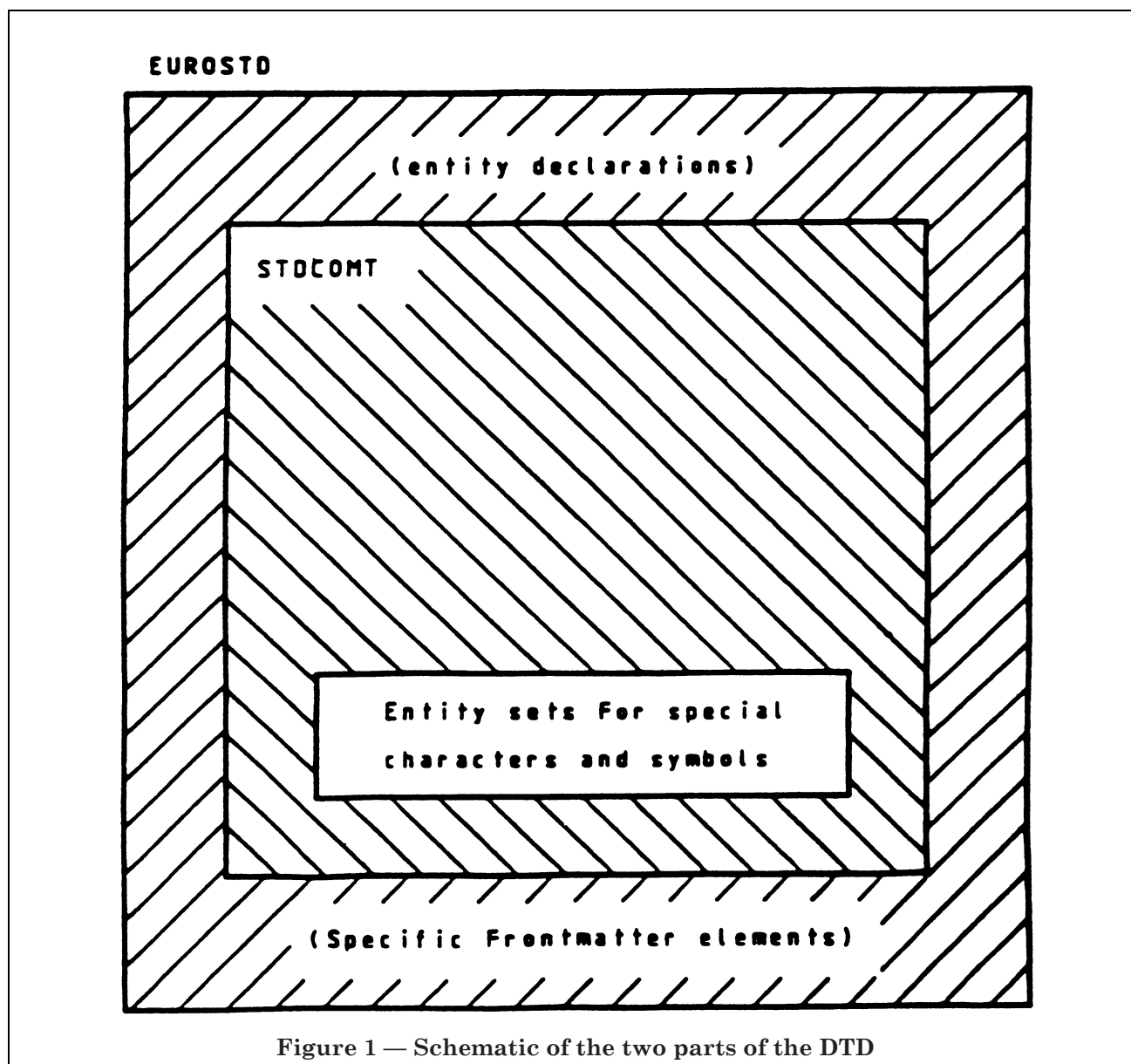
3.1 General

The structure and elements of the DTD for European Standards shall be as given in **3.2**. A schematic of the two parts of the DTD, the specific part and the common part (stdcomt), is shown in Figure 1.

For a description of the elements, reference should be made to ISO/IEC TR 9573-11.

¹⁾ Endorsed as EN 28879

For a description of the first part of the DTD, i.e. the specific part, reference should be made to the CEN/CENELEC Internal Regulations Part 3:1990 Rules for the Drafting and presentation of European Standards (PNE-Rules) and for a description of the common part, reference should be made to ISO/IEC TR 9573-11:1992.



3.2 The DTD

3.2.1 Content of the DTD for eurostd (version 2.0)

```
<!DOCTYPE eurostd [
```

```
<!--This is a document type definition for European Standards. It follows as closely as possible the "Rules for the Drafting and Presentation of European Standards (PNE Rules) (Edition 1991-09)" and the document type definition given in Annex A of ISO/IEC TR 9573-11:1992 for ISO standards. Developed within the IMPACT program (CEC), EUROSTAND-SGML/1155, by AFNOR, BSI and DIN/DITR.
```

```
Version: 2.00
```

```
Date: March 1993
```

```
-->
```

<!--Organization of this DTD

-->

<!--

This DTD sets out a list of elements specific to European Standards then defines a series of parameter entities which constitute the link to the SGML-application for International Standards as documented in ISO/IEC TR 9573-11:1992.

The methodology for adapting the DTD for International Standards to this DTD for European Standards follows the recommendations given in Annex B of ISO/IEC TR 9573-11:1992.

— The entity %doctype; sets the highest element to EUROSTD.

— The entity %main.ex; generally excludes a series of elements for European Standards as defined in the common part for Standards (%stdcomt; see the last item below). Due to their optional occurrence this means that European Standards are fully compatible with International Standards, but not necessarily vice versa. A declaration for this same entity is given in %stdcomt;. It will be ignored by a parser due to the presetting in this cover DTD.

— The entity %fm.d; defines the structure of the specific frontmatter for European Standards. The element an attribute list declarations for this frontmatter part are placed at the end of this cover DTD for European Standards.

— The entity %annxs; defines a specific order for the annexes in European Standards (differing from the order in International Standards, but not changing the structural content).

— The entity %bm.d; defines the European Standards' specific backmatter for international or national annexes (when a European Standard is being endorsed as an International or national Standard).

— The entities %idref;, %idrefs;, %stddata;, %math.mp;, %df.type; and %df.ref; preset different attribute value ranges or attribute defaults specific for European Standards. A parser will ignore the settings in the declarations for the same entities in %stdcomt;.

— The entities %cols;, %tsize;, %f.lang;, %f.langd;, %tab.pz; and %tab.hhi; set different attribute value ranges or attribute defaults specific for European Standards for which there are no declarations in %stdcomt;.

— Finally, the entity %stdcomt; defines the common part of the structure for Standards to be included in this application for European Standards. The inclusion will be handled by a parser on the basis of the reference t %stdcomt; just following the entity declaration.

-->

<!--List of Elements (the numbers after the descriptive terms refer to the appropriate subclauses of the PNE Rules where the application rules for these elements are stated)

-->

<!--

availAvailability date (see annex D.2.2)

cetitleComplementary element of a title (see 2.3.1, annex F.1.3)

copyrightCopyright note (see annex D.4)

| | |
|----------|---|
| corrnote | Corrigendum note |
| detitle | Title in German (see 2.3.1, annex D.3.2) |
| doa | Date of acceptance (see 2.2.3) |
| dop | Date of publication (see 2.2.3) |
| dow | Date of withdrawal (see 2.2.3) |
| endescr | Descriptor for an EN (see annex D.3.1.1) |
| entitle | Title in English (see 2.3.1, annex D.3.2) |
| enrefid | Reference ID of the Standard (complete, including the reference number) (see annex D.2.2) |
| eurostd | European Standard |
| expltext | Explanatory (standard) text (see annex D.3.2.1–D.3.2.7) |
| foreword | Foreword (see 2.2.3) |
| frontm | Frontmatter (see 2.2) |
| frtitle | Title in French (see 2.3.1, annex D.3.2) |
| fwt | Foreword title |

| | |
|------------|--|
| icsgroup | International Classification for Standards group |
| ietitle | Introductory element of a title (see 2.3.1 , annex F.1.1) |
| intro | Introduction (see 2.2.4) |
| metitle | Main element of a title (see 2.3.1 , annex F.1.2) |
| othtitle | Title in any other language (see 2.3.1 , annex D.3.2) |
| refno | Reference number of the Standard (see annex D.4) |
| standard | Standard element collecting bibliographic information as attributes |
| supersedes | Superseding note (see annex D.3.1.2) |
| toc | Table of contents (see 2.2.2) |
| udc | Universal Decimal Classification (see annex D.3.1.1) |

```
-->
<!ENTITY % doctype      "eurostd" -- Document type generic identifier for European Standards (ENs)

-->
<!ENTITY % main.ex      "bot | zoo | microb | sv | sk | sd | sdr | stv | stc | syn | lp | alterns | dummy" -- elements defined for ISO but
excluded for ENs

-->
<!ENTITY % fm.d         "standard*, frontm*"
>
<!ENTITY % annxs        "(annexn | annexi)*" -- EN specific ordering for annexes
-->
<!ENTITY % bm.d         "(annexn | annexi)*" -- EN specific backmatter for international or national annexes
-->
<!ENTITY % idref        "CDATA"      -- EN specific, cf. comments
-->
<!ENTITY % idrefs       "CDATA"      -- EN specific, cf. comments
-->
<!ENTITY % cols         "#IMPLIED" -- EN specific, cf. comments
-->
<!ENTITY % tsize        "#IMPLIED" -- EN specific, cf. comments
-->
<!ENTITY % f.lang       "NAME"       -- EN specific, cf. comments
-->
<!ENTITY % f.langd      "#REQUIRED" -- EN specific, cf. comments
-->
<!ENTITY % tab.pz       "#REQUIRED" -- EN specific, cf. comments
-->
<!ENTITY % tab.hhi      "#REQUIRED" -- EN specific, cf. comments
-->
<!ENTITY % stdata       "CDATA"      -- default value, cf. comments
-->
<!ENTITY % math.mp      "-- .."
>
<!ENTITY % df.type      "-- .."
>
<!ENTITY % df.ref       "-- .."
>
<!ENTITY % stdcomt PUBLIC
"EN Memorandum ENV ...:1993//DTD Common part of DTD for Standards//EN">
%stdcomt;
```

```

<!ELEMENT standard      - o EMPTY
>
<!ATTLIST standard      status (ES | ENV | HD)

#REQUIRED

-- ES European Standard
   ENV European Prestandard
   HD Harmonization Document --
devstage (draft | findraft | final)

#REQUIRED

drftvers NUMBER          #IMPLIED
org    (cen | cenelec | cen-cene)

#REQUIRED

lang   (de | en | fr)

#REQUIRED>

<!-- Frontmatter Structure
-->
<!ELEMENT frontm      - o (enrefid, avail, udc, endescr +, icsgroup*, supsedes?,
   (detitle & entitle & frtitle & othtitle?), expltext,
   copyright, refno, toc?, foreword, intro?)
>
<!ELEMENT enrefid      - o (#PCDATA)
- (%ix; | %i.float;)>
<!ELEMENT avail        - o (#PCDATA)
- (%ix; | %i.float;)>
<!ELEMENT udc          - o (#PCDATA)
- (%ix; | %i.float;)>
<!ELEMENT endescr      - o (#PCDATA)
- (%ix; | %i.float;)>
<!ELEMENT icsgroup     - o (#PCDATA)
- (%ix; | %i.float;)>
<!ELEMENT supsedes     - o ((#PCDATA | extref)*, corrnote?)
- (%ix; | %i.float;)>
<!ELEMENT corrnote     - o (#PCDATA | extref)*
- (%ix; | %i.float;)>
<!ELEMENT detitle      - o (ietitle?, metitle, cetitle?)
- (%ix; | %i.float;)>
<!ELEMENT entitle      - o (ietitle?, metitle, cetitle?)
- (%ix; | %i.float;)>

<!ELEMENT frtitle      - o (ietitle?, metitle, cetitle?)
- (%ix; | %i.float;)>
<!ELEMENT othtitle     - o (ietitle?, metitle, cetitle?)
- (%ix; | %i.float;)>
-- ext.f, titles in other lang. -->
<!ATTLIST othtitle      lang NAME          #REQUIRED -- Attr. value
   as lang. abb. foll. ISO 639

```

```

-->
<!ELEMENT ietitle      -   o (%m.ph;)
- (fillin | cit | %p.rf.d; | %p.rf.ph; | extref | refref)>
<!ELEMENT metitle      -   o (%m.ph;)

- (fillin | cit | %p.rf.d; | %p.rf.ph; | extref | refref)>
<!ELEMENT cetitle      -   o (%m.ph;)

- (fillin | cit | %p.rf.d; | %p.rf.ph; | extref | refref)>
<!ELEMENT expltext     -   o (%m.pseq;)
                        - (%ps.elem; | %ps.snot; | ol | sl | nl | dl |

symml | varl | bl | rl | al | tl | df | dfg | cdf | fillin |

cit | %p.rf.d; | %p.rf.ph; | i1 | i2 | i3 | ih1 | ih2 | ih3 | %i.float);>
<!ELEMENT copyright    -   o (#PCDATA)
- (%ix; | %i.float);>
<!ELEMENT refno        -   o (#PCDATA)
- (%ix; | %i.float);>
<!ELEMENT toc          -   o EMPTY
>
<!ATTLIST toc           level NUMBER    1
                        levela NUMBER   #IMPLIED

>
<!ELEMENT foreword     -   o (fwt, %m.pseq;)

- (%ps.snot; | dl | symml | varl | bl | rl | al | tl | df | dfg | cdf | fillin | fig | tab)

+ (dop | dow | doa)>
<!ELEMENT fwt           o o (#PCDATA)
- (dop | dow | doa | %ix; | fn)>
<!ELEMENT (dop | dow | doa)
                        - - (#PCDATA)

>
<!ELEMENT intro         -   o ((%s.zz;)*, (h2* | P2*))

- (%ps.snot; | dl | symml | varl | bl | rl | al | tl | df | dfg | cdf | fillin | fig | tab)>

<!ATTLIST intro         id      ID          #IMPLIED
                        stitle  CDATA       #IMPLIED

>
]>

```

3.2.2 Content of the DTD for stdcomt (Version 2.20)

This version deviates from the DTD as published in ISO/IEC TR 9573-11:1992 as it also allows the inclusion of tables in accordance with a modified CALS table structure. Changed parts of the DTD are marked with change-bars.

<!-- (C) International Organization for Standardization 1988, 1989, 1990, 1991, 1992.

Permission to copy in any form is granted for use with
conforming SGML systems and applications as defined in
ISO 8879, provided this notice is included in all copies.

Creator: Anders Berglund.

Version: 2.10 1992-07-30

Edited to include the modified CALS-tables structure as an
alternative to the ISO-tables structure (co-existence of both),

By agreement between the IMPACT working group EUROSTAND/SGML project
team and the ISO Central Secretariat.

Version: 2.20 1993-03-15

For the use of the two table structures see the notes given below.

This is a corrected version. Edited on 1993-08-20 by Manfred Krueger, MID in Heidelberg.
See the note given within the Element Tokens Group.

-->

<!ENTITY % doctype "standard" -- Document type generic identifier -->

<!ENTITY % idref "IDREF" -- default value - can be set to CDATA -->

<!ENTITY % idrefs "IDREFS" -- default value - can be set to CDATA -->

<!ENTITY % stdata "CDATA" -- default value -->

<!ENTITY % math.mp "-- --" >

<!ENTITY % df.type "-- --" >

<!ENTITY % df.ref "-- --" >

<!ENTITY % main.ex "dummy" -- exclusions at the doctype level -->

<!ENTITY % EHyTime "dummy?" -- HyTime elements for extref -->

<!ENTITY % AHyTime "-- --" -- HyTime attributes for extref -->

<!--This is a document type definition for standards.

It follows as closely as possible the Document Type Definition in Annex E of

ISO 8879:1986 -->

<!NOTATION cgmchar PUBLIC "ISO 8632-2:1987//NOTATION Information

processing systems — Computer Graphics —

Metafile for the storage and transfer of

picture description information —

Part 2: Character encoding//EN" >

<!NOTATION cgmclean PUBLIC "ISO 8632-4:1987//NOTATION Information

processing systems — Computer Graphics —

Metafile for the storage and transfer of

picture description information —

Part 4: Clear text encoding//EN" >

<!NOTATION iges PUBLIC "NBS IR 88-3813//NOTATION Initial

Graphics Exchange Specification (IGES)

//EN" >

<!NOTATION fax PUBLIC "CCITT VII.3 T 6//NOTATION Blue book —

Terminal equipment and protocols for

telematic services — Facsimile encoding

schemes and coding control functions for

group 4 facsimile apparatus//EN" >

```
<!NOTATION spdL PUBLIC "ISO/IEC 10180:1992//NOTATION Information
    technology — Text communication —
    Standard Page Description Language
    (SPDL)//EN"
    >
```

```
<!-- Entity Naming Conventions -->
```

```
<!--
```

```
    Prefix = where used:
```

```
    p. = in paragraphs (also in phrases if .ph suffix)
```

```
    s. = in sections (i.e., among paragraphs)
```

```
    ps. = in paragraphs and sections
```

```
    i. = where allowed by inclusion exceptions
```

```
    m. = content model or declared content
```

```
    a. = attribute definition
```

```
    NONE = specific use defined in models
```

```
    Suffix = allowed content:
```

```
    .ph = elements whose content is %m.ph
```

```
    .d = elements whose content has same definition
```

```
    NONE = elements with unique definitions
```

```
-->
```

```
<!-- Settings for tables -->
```

```
<!ENTITY % alltab "INCLUDE" -- INCLUDE in the entity text allows
```

```
    to have ISO and CALS tables
```

```
    co-existing. The entity text for
```

```
    entities isotab and calstab have to
```

```
    be set to IGNORE (the default). -->
```

```
<!ENTITY % isotab. "IGNORE" -- to be set to INCLUDE if only
```

```
    the ISO table structure is allowed.
```

```
    The entity text for entities alltab
```

```
    and calstab have to be set to
```

```
    IGNORE. -->
```

```
<!ENTITY % calstab "IGNORE" - to be set to INCLUDE if only
```

```
    the CALS table structure is allowed.
```

```
    The entity text for entities alltab
```

```
    and isotab have to be set to
```

```
    IGNORE. -->
```

```
<!-- Element Tokens -->
```

```
<!-- Superfluous parentheses around %p.em.ph;, %p.tm.ph;, %p.rf.ph;,
```

```
    %p.rf.d;, %ps.zz; and %p.zz.ph; within the entity declarations
```

```
    for %p.zz.ph;, %s.zz;, %m.ph; and %m.p1; removed as certain
```

```
    parsers issue spurious error messages. Manfred Krueger -->
```

```
<!ENTITY % p.em.ph "hp1 | hp2 | hp3 | hp4 | hp0 | cit" -- Emphasized phrases -->
```

```
<!ENTITY % p.rf.ph "href (figref | tabref | rtref | atref"
```

```
    -- Reference phrases -->
```

```
<!ENTITY % p.rf.d "fnref | noteref | liref | iref | bibref | tnref | dfref | xmpref"
```

```
    -- References (empty) -->
```

```
<!ENTITY % p.tm.ph "bot | zoo | microb | term" -- Term phrases -->
```

```

<!ENTITY % p.zz.ph "f|cf|q|sub|sup|tol|fillin|sv|sk|sd|sdr|stv|stc|fmat|
%p.em.ph;| %p.tm.ph;| %p.rf.ph;| %p.rf.d;|extref|refref"

--All phrases-->
<!ENTITY % ps.ul.d "ol|ul|sl|nl" -- Unit-item lists -->
<!ENTITY % ps.list "%ps.ul.d;|dl|syml|varl|bl|rl|al|tl" -- All lists -->
| <![ %alltab; [
| <!ENTITY % ps.elem "xmp|xmps|cptr|lq|lines|artwork|note|
| caution|warning|tabmat|tgroup|form|compexp"
|
| -- Other elements -->
| ]]>
| <![ %isotab; [
| <!ENTITY % ps.elem "xmp|xmps|cptr|lq|lines|artwork|note|
| caution|warning|tabmat|form|compexp"
|
| -- Other elements -->
| ]]>
| <![ %calstab; [
| <!ENTITY % ps.elem "xmp|xmps|cptr|lq|lines|artwork|note|
| caution|warning|tgroup|form|compexp"
|
| -- Other elements -->
| ]]>
<!ENTITY % ps.snot "syn" -- Special notations-->
<!ENTITY % ps.zz "%ps.elem;| %ps.list;| %ps.snot;| alterns"
-- Para/sect subelements -->
<!ENTITY % s.p.d "p|lp|alterns" -- Simple paragraphs -->
<!ENTITY % s.zz "p|lp| %ps.zz;" -- Section subelements -->
| <![ %alltab; [
| <!ENTITY % i.float "fig|tab|table|fn" -- Floating elements -->
| ]]>
| <![ %isotab; [
| <!ENTITY % i.float "fig|tab|fn" -- Floating elements -->
| ]]>
| <![ %calstab; [
| <!ENTITY % i.float "fig|table|fn" -- Floating elements -->
| ]]>
<!ENTITY % bd.d "scope|conf|symabb|syms" -- Body elements -->
<!ENTITY % ix "i1|i2|i3|ih1|ih2|ih3|iref" -- Index elements -->

<!-- Model Groups -->
<!ENTITY % m.ph "(#PCDATA| %p.zz.ph;)*" -- Phrase model -->
<!-- former entity m.p split up into m.p1 & m.p2 to be avoid having
a littler> 240 chars. Note that use is ((%m.p1;| %m.p2;)*
-->
<!ENTITY % m.p1 "#PCDATA|df|dfg|cdf| %p.zz.ph;"
-- Paragraph model part 1 -->
<!ENTITY % m.p2 "(%ps.zz;)" -- Paragraph model part 2 -->
<!ENTITY % m.pseq "(p,(%s.zz;)*)" --Paragraph sequence-->
<!-- overall document structure -->
<!-- ELEMENTS MIN CONTENT (EXCEPTIONS) -->
<!ELEMENT %doctype; O O (bibinfo*, %fm.d; ,genwarn?,body,
%annxs;, index*, backm?)
-(%main.ex;)+ (%ix;| %i.float;| revmark)>
<!ELEMENT dummy - O EMPTY
-- dummy element to keep 8879:1986 happy -->

```

```
<!-- *****
*
*
*
***** -->
```

BIBLIOGRAPHIC INFORMATION

```
<!-- ELEMENTS   MIN   CONTENT (EXCEPTIONS)           -->
<!ELEMENT bibinfo - O (titles,edition,version?,language,refnums,
                        sourcecd?,notes?,endorsmt?,developc,replaces*,
                        replaced*,abstract?,classifn*,keyword*, relstd*,
                        prodinfo?,otherprm*,othertext*) -(%i.float)
                        -- bibliographic information -->

<!ELEMENT titles  O O (mtitle,ptitle?) + -- titles (in different
                        languages) of the standard -->
<!ELEMENT mtitle  - O (tline +) -- title of the standard -->
<!ELEMENT tline   O O %m.ph; -- title line -->
<!ELEMENT ptitle  - O (ptline +) -- title of the part -->
<!ELEMENT ptline  O O %m.ph; -- title line -->

<!ELEMENT edition - O (#PCDATA) >
<!ELEMENT version - O (#PCDATA) >
<!ELEMENT language - O (#PCDATA) >
<!ELEMENT refnums  O O (wdnumber?,number,part?,type?)
                        -- reference numbers -->
<!ELEMENT wdnumber - O (com,sernum)
                        -- document number for working draft -->
<!ELEMENT com      O O (#PCDATA) >
<!ELEMENT sernum   - O (#PCDATA) >
<!ELEMENT number   - O (#PCDATA) -- number of the document -->
<!ELEMENT part     - O (#PCDATA) -- number of the part -->
<!ELEMENT type     - O (#PCDATA)
                        -- type of document (types of Technical Report for ISO -->

<!ELEMENT sourcecd - O (#PCDATA) --source of document(ISO | ISOIEC)-->
<!ELEMENT notes    - O (#PCDATA) -- notes for document -->
<!ELEMENT endorsmt - O ((endorsdn,endorsnt?)+) >
<!ELEMENT endorsdn - O (#PCDATA)
                        -- document number of endorsed standard -->
<!ELEMENT endorsnt - O %m.pseq; +(%i.float) -- endorsement note -->
<!ELEMENT (replaces|replaced)
                        -- (extref, replcom) -- reference to replacement
                        document and comment -->
<!ELEMENT replcom  - O %m.pseq; >
<!ELEMENT developc - O (status,scdate,votestrt?,voteend?,report?)+
                        -- stages in the development cycle -->
<!ELEMENT status   - O (#PCDATA) -- status of document -->
<!ELEMENT scdate   - O (#PCDATA) -- date for the status change -->
<!ELEMENT votestrt - O (#PCDATA) -- date for the start of vote -->
<!ELEMENT voteend  - O (#PCDATA) -- date for the end of vote -->
<!ELEMENT report   - O %m.pseq; + (%i.float) -- report -->
<!ELEMENT abstract - O %m.pseq; -- abstract -->
```

```

<!ELEMENT classifn - O (#PCDATA) -- classification of standard -->
<!ELEMENT keyword - O (#PCDATA) -- keyword -->
<!ELEMENT relstd - O (#PCDATA) -- related standard -->
<!ELEMENT prodinfo - O (prodparm,prodval)*
-- production specific information -->
<!ELEMENT prodparm - O (#PCDATA) -- name of production parameter -->
<!ELEMENT prodval - O (#PCDATA) -- value of production parameter -->
<!ELEMENT otherprm - O (#PCDATA) -- other parameter information -->
<!ELEMENT othertxt - O (%m.pseq; +(%i.float)
-- other textual information -->

<!-- ELEMENTS NAME VALUE DEFAULT -->
<!ATTLIST bibinfo apply CDATA #REQUIRED >
<!ATTLIST mtitle langcode CDATA #REQUIRED >
<!ATTLIST classifn type CDATA UDC >
<!ATTLIST otherprm type CDATA #REQUIRED >
<!ATTLIST othertxt type CDATA #REQUIRED '
<!ATTLIST (tline|ptline) type CDATA #IMPLIED -- used for e.g.
introductory title, main title, subsidiary title -->

<!-- *****
*
* BODY
*
* *****-->

<!-- -->
<!ELEMENT genwarn -- (p,(%s.zz;)* -- General Warning -->
<!ELEMENT body - O ((gensec,section*)|(scopesec,section*)|
(scope, conf?, refs?, defs?, (symabb|syms)?,
h1*))>
<!ELEMENT backm - O (%bm.d;) >
<!ELEMENT index - O EMPTY -- index has generated content -->

<!-- foreword and introduction are included below -->
<!-- Sections and Clauses -->
<!-- ELEMENTS MIN CONTENT (EXCEPTIONS) -->
<!ELEMENT gensec - O (scope, conf?, refs?, defs?,
(symabb|syms)?,h1*) >
<!ELEMENT scopesec - O ((%s.zz;)* -- section with only scope -->
<!ELEMENT section - O (h0t, (%s.zz;)*, h1*) -- Section -->
<!ELEMENT h1 - O (h1t, (%s.zz;)*, (h2*|p2*)) -- Clause -->
<!ELEMENT (annexn|annexi) - O (h0t, (%s.zz;)*, (h1*|p1*)) >
<!ELEMENT (%bd.d;) - O ((%s.zz;)*, (h2*|p2*))
-- Clauses with fix title -->
<!ELEMENT refs - O (reflist) -- normative references -->
<!ELEMENT reflist O O ((refref,refit?)+) -- list of references -->
<!ELEMENT refref - O (#PCDATA) -(%i.float) -- reference -->
<!ELEMENT refit - O (%m.ph;) -(refref) -- title of reference -->
<!ELEMENT defs - O (defref*,dl?) -- definitions -->
<!ELEMENT defref - O (#PCDATA) -(%i.float) -- reference -->
<!ELEMENT h2 - O (h2t, (%s.zz;)*, (h3*|p3*)) -- Subclause -->

```

```

<!ELEMENT h3      - O (h3t, (%s.zz;)*, (h4* | p4*)) -- S.s.clause -->
<!ELEMENT h4      - O (h4t, (%s.zz;)*, (h5* | p5*)) -- ...clause -->
<!ELEMENT h5      - O (h5t, (%s.zz;)*, (h6* | p6*)) -- ...clause -->
<!ELEMENT h6      - O (h6t, (%s.zz;)*                -- ...clause -->
<!ELEMENT (h0t|h1t|h2t|h3t|h4t|h5t|h6t)
      O O %m.ph; -(fig|tab| %ix;) -- Clause titles -->

      <!-- Numbered Paragraphs -->
      <!-- These are treated as subclauses without titles -->
<!--      ELEMENTS  MIN CONTENT (EXCEPTIONS)      -->
<!ELEMENT p1      - O (p, (%s.zz;)*, (h2* | p2*))  -- Clause -->
<!ELEMENT p2      - O (p, (%s.zz;)*, (h3* | p3*))  -- Subclause -->
<!ELEMENT p3      - O (p, (%s.zz;)*, (h4* | p4*))  -- Subsubclause -->
<!ELEMENT p4      - O (p, (%s.zz;)*, (h5* | p5*))  -- ...clause -->
<!ELEMENT p5      - O (p, (%s.zz;)*, (h6* | p6*))  -- ...clause -->
<!ELEMENT p6      - O (p, (%s.zz;)*                -- ...clause -->

      <!-- Elements in Sections or Paragraphs -->
<!--      ELEMENTS  MIN CONTENT (EXCEPTIONS)      -->
<!ELEMENT artwork - O EMPTY                        >
<!ELEMENT tol     - -
      (tol.base,tol.unit?,((pos,neg,tol.unit?)|(posneg,tol.unit?)))
      -- tolerance -->
<!ELEMENT tol.base O O (#PCDATA)                  -- basic value -->
<!ELEMENT tol.unit - O (#PCDATA)                  -- units of value -->
<!ELEMENT pos      - O (#PCDATA)                  -- positive tolerance -->
<!ELEMENT neg      - O (#PCDATA)                  -- negative tolerance -->
<!ELEMENT posneg   - O (#PCDATA)                  -- tolerance -->
<!ELEMENT revmark  - O EMPTY                      -- revision mark -->
<!ELEMENT dl       - - (((dt +, (dd | ddg)) | (dth,dl))* ) >
<!ELEMENT dt       - O %m.ph;                     -- Definition term -->
<!ELEMENT dth      - O %m.ph;                     -- Definition term head -->
<!ELEMENT dd       - O %m.pseq;                   -- Definition description -->
<!ELEMENT ddg      - O (dd +) -- Definition description group -->
<!ELEMENT sym1     - - ((sym, desc) *)            -- Symbols list -->
<!ELEMENT sym      - O (#PCDATA | (%p.zz.ph;) | artwork)*
      -- Symbol or abbreviation -->
<!ELEMENT desc     - O %m.pseq;                   -- Symbol description -->
<!ELEMENT var1     - - ((var, desc)*)            -- Variables list -->
<!ELEMENT var      - O %m.ph;                   -- Symbol or abbreviation -->
<!ELEMENT (%ps.ul.d;) - - (li*)                  -- Unit item lists -->
<!ELEMENT li       - O %m.pseq;                   -- List item -->
<!ELEMENT bl       - - (bib +)                   -- Bibliography (list) -->
<!--
      Design based on ISO 690
-->

```

```

<!ELEMENT bib      - O ((name +,arttitle?,pubtitle,tittrans?,pubedit?,
                        publoc?,
                        publish?,pubyear?,pubvols?,pubref?,pubsize?,
                        pubpag?,pubibs?,pubctit?,pubprice?) |
                        (arttitle?,pubtitle,tittrans?,pubfreq?,publoc?,
                        publish?,
                        pubsince?,pubref?,pubsize?,pubibs?,
                        pubprice?,pubotit?) | refref)
                        -- information for a book and for a
                        periodical or other serial publication -->

<!ELEMENT name     - O (sname,cname?)      -- name of author(s) -->
<!ELEMENT sname    O O (#PCDATA)          -- surname -->
<!ELEMENT cname    - O (#PCDATA)          -- forename -->
<!ELEMENT arttitle - O %m.ph;              -- article title -->
<!ELEMENT pubtitle - O %m.ph;              -- title -->
<!ELEMENT tittrans  - O %m.ph;              -- translated title -->
<!ELEMENT pubedit   - O (#PCDATA)          -- edition -->
<!ELEMENT pubfreq   - O (#PCDATA)          -- publication frequency -->
<!ELEMENT publoc    - O (#PCDATA)          -- publication location -->
<!ELEMENT publish   - O %m.ph;              -- publisher -->
<!ELEMENT pubyear   - O (#PCDATA)          -- year of publication-->
<!ELEMENT pubsince  - O (#PCDATA)          -- first year of publication -->
<!ELEMENT pubvols   - O (#PCDATA)          -- number of volumes -->
<!ELEMENT pubref    - O %m.ph;              -- volume or page referred to -->
<!ELEMENT pubsize   - O (#PCDATA)          -- physical size -->
<!ELEMENT pubpag    - O (#PCDATA)          -- number of pages-->
<!ELEMENT pubibs    - O %m.ph;              -- ills, bibliog, summaries -->
<!ELEMENT pubprice  - O (#PCDATA)          -- price -->
<!ELEMENT pubctit   - O %m.ph;              -- title of collection -->
<!ELEMENT pubotit   - O %m.ph;              -- old publication title -->

<!ELEMENT lines    O O %m.pseq;            -- Line elements -->
<!ELEMENT lq       - - %m.pseq; -(%i.float;)-- Long quotation -->
<!ELEMENT xmps     - - (xmp +)              -- Examples -->
<!ELEMENT xmp      - - %m.pseq; -(%i.float;)-- Example -->
<!ELEMENT cptr     - - %m.ph;                -- Computer example -->
<!ELEMENT (p | lp) O O ((%m.p1; | %m.p2;)*)-- Paragraphs -->
<!ELEMENT (note | caution | warning) - - (p,(%s.zz;)*-- Notes -->

<!-- Special notations -->
<!-- ELEMENTS MIN CONTENT (EXCEPTIONS) -->
<!ELEMENT syn      - - ((synt,synd) +) --(SGML) syntax productions -->
<!ELEMENT synt     - O (#PCDATA)          -- term -->
<!ELEMENT synd     - O ((sv | sk | sd | sdr | stv | stc | #PCDATA)*)
                        -- definition -->

<!ELEMENT sv       - O (#PCDATA)          -- variable -->
<!ELEMENT sk       - O (#PCDATA)          -- literal -->

```

```

<!ELEMENT sd      - O (#PCDATA)      -- syntax delimiter -->
<!ELEMENT sdr     - O (#PCDATA)      -- syntax delimiter role -->
<!ELEMENT stv     - O (#PCDATA)      -- syntax terminal, variable -->
<!ELEMENT stc     - O (#PCDATA)      -- syntax terminal, constant-->

<!-- Phrases -->
<!-- ELEMENTS MIN CONTENT (EXCEPTIONS) -->
<!ELEMENT (%p.em.ph;) - - %m.ph;      -- Emphasized phrases -->
<!ELEMENT q         - - %m.ph;      -- Quotation -->
<!ELEMENT (%p.rf.ph;) - O %m.ph;      -- Reference phrases -->
<!ELEMENT (%p.rf.d;) - O EMPTY      -- Generated references -->
<!ELEMENT extref    - - (refref,refit?,refspec?,%EHyTime;)
                        -- external reference -->
<!ELEMENT refspec   - O (#PCDATA) -- specific part referred to -->
<!ELEMENT (%p.tm.ph;) - - %m.ph;      -- Term phrases -->
<!ELEMENT flmat     - - %m.ph;      -- Foreign language material -->

<!-- Includable Subelements -->
<!-- ELEMENTS MIN CONTENT (EXCEPTIONS) -->
<!ELEMENT fig      - - (figbody, (figcap, figdesc?)) -(%i.float;)>
<!ELEMENT figbody  O O (figcomm?,(%s.zz;)*   -- Figure body-->
<!ELEMENT figcomm  - O %m.ph;      -- Figure comment -->
<!ELEMENT figcap   - O %m.ph;      -- Figure caption -->
<!ELEMENT figdesc  - O %m.pseq;     -- Figure description -->
<!ELEMENT fn       - - %m.pseq; -(%i.float;) -- Footnote -->
<!ELEMENT (i1|i2|i3) - O (#PCDATA) -(%ix;) -- Index entry-->
<!ELEMENT (ih1|ih2|ih3) - O (#PCDATA) -(%ix;) -- Index header entry -->
<!-- “ simple forms ” -->
<!ELEMENT form     - - ((%s.zz;|fillin)*) -- Form-->

<!--
e.g. <FILLIN WIDTH = 8cm> <ITEM> Name:<SUBITEM WIDTH = 3cm> (initials)
      <SUBITEM> (surname) </FILLIN>
-->
<!ELEMENT fillin   - - (item?,unit?,subitem*)
                        -- Question to fill in -->
<!ELEMENT item     - O (%m.ph;) -(fillin) -- item in fillin -->
<!ELEMENT unit     - O (%m.ph;) -(fillin) -- unit of item -->
<!ELEMENT subitem  - O (%m.ph;) -(fillin) -- subitem in fillin -->

<!-- components (of a description) and their explanation
      <COMPEXP>
      <COMP> ISO/IEC </COMP>
      <EXP> Source of document
      <COMP> TR </COMP>
      <EXP> Type of document
      <COMP> 9573 </COMP>
      <EXP> Number of document
      <COMP> - 1
      <EXP> Number of part
      <COMP>: 1991
      <EXP> Year of publication
      </COMPEXP>

```

```

-->
<!-- ELEMENTS MIN CONTENT (EXCEPTIONS) -->
<!ELEMENT compexp - - ((comp,exp) +) --Explanation of components-->
<!ELEMENT comp - O (#PCDATA) -- Component -->
<!ELEMENT exp - O %m.pseq; -- Explanation -->

<!-- alternatives and their condition
    <ALTERNES>
    <COND ID = wood> For wooden houses.
    <ALTERN REFID = wood> The roof shall be of tile or cedar shingles.
    <COND ID = stone> For stone houses.
    <ALTERN REFID = stone> The roof shall be of tile.
    </ALTERNES>
    <ALTERNES>
    <ALTERN REFID = wood> There shall be at least one door per floor.
    </ALTERNES>

-->
<!-- ELEMENTS MIN CONTENT (EXCEPTIONS) -->
<!ELEMENT alterns - - ((cond?,altern?) +) -- alternatives -->
<!ELEMENT cond - O %m.pseq; -- condition for alternatives -->
<!ELEMENT altern - O %m.pseq; -- text of alternatives -->
<!ATTLIST cond id ID #IMPLIED
              label CDATA #IMPLIED >
<!ATTLIST altern refid IDREF #IMPLIED >

    <!-- Attribute Definition Lists -->
<!-- ELEMENTS NAME VALUE DEFAULT -->
<ATTLIST body cols (1|2|offset) %cols; >
<!ATTLIST (section|gensec|scopesec|h2|
            scope|conf|symabb|syms)
            id ID #IMPLIED
            style %stdata; #IMPLIED>

<!ATTLIST (annexn|annexi) page (yes|no) yes
            cols (1|2|offset) %cols;
            colsh NUMBER 1
            id ID #IMPLIED
            origin CDATA #IMPLIED
            style %stdata; #IMPLIED >
<!ATTLIST index id ID #IMPLIED
                langcode NMTOKEN #IMPLIED
                style %stdata; #IMPLIED>

<!ATTLIST h1
            id ID #IMPLIED
            content (material|desman|matdsman|require|
                sampling|testmeth|inspec|class|classdes|marking|labeling|packing|
                marklbpk|terms|other)

```

#IMPLIED

```

-- material      materials
  desman         design and materials
  matdsman       material, design, and manufacturing
  require        requirements
  sampling       sampling
  testmeth       testmethods
  inspec         inspection
  class          classification
  classdes       classification and designation
  marking        marking
  labeling        labeling
  packing        packing
  marklbpk       marking, labeling, and packaging
  terms          terminology
  other          non-specific/classified content
--
      stitle %stdata; #IMPLIED>
<!ATTLIST (h3|h4|h5|h6) id ID #IMPLIED >
<!ATTLIST (p1|p2|p3|p4|p5|p6) id ID #IMPLIED >
<!ATTLIST (refs|defs) apply (all|part) all
      id ID #IMPLIED >
<!ATTLIST defref nrdefs (singular|plural) plural >
<!ATTLIST (%ps.ul.d;) compact (compact) #IMPLIED >
<!ATTLIST (syml|varl) tsize NUMBER %tsize; >
<!ATTLIST li id ID #IMPLIED >
<!ATTLIST (dt|dth) type (none|syn|depr|depsense|depban) none
      country CDATA #IMPLIED
      lang CDATA #IMPLIED
      qual CDATA #IMPLIED
      id ID #IMPLIED >
<!ATTLIST dd source CDATA #IMPLIED >
<!ATTLIST xmp id ID #IMPLIED >
<!ATTLIST cptr type (source|listing) source
      keep NMTOKEN all
      width (column|page) column
      place (display|inline) display
      lines (flow|lines) lines >
<!ATTLIST (%p.rf.ph;) refid %idrefs #CONREF
      initial (uc|lc) lc
      boolean (and|or) and
      page (yes|no) no >
<!ATTLIST extref %AHyTime;
      refid IDREF #IMPLIED >
<!ATTLIST flmat langcode (%f.lang;) %f.langd;
      language CDATA #IMPLIED >
<!ATTLIST note number (number|nonum) number
      id ID #IMPLIED >

```

```

<!ATTLIST fnref      refid  %idrefs  #REQUIRED
                    initial (uc|lc) lc
                    boolean (and|or) and
                    page   (yes|no) no           >
<!ATTLIST noteref    refid  %idrefs  #REQUIRED
                    initial (uc|lc) lc
                    boolean (and|or) and
                    page   (yes|no) no           >
<!ATTLIST tnref      refid  %idref  #REQUIRED >
<!ATTLIST bibref     refid  %idrefs  #REQUIRED
                    initial (uc|lc) lc
                    boolean (and|or) and
                    pres   (sup|phrase) sup
                    page   (yes|no) no           >
<!ATTLIST lref       refid  %idrefs  #REQUIRED
                    initial (uc|lc) lc
                    boolean (and|or) and
                    page   (yes|no) no           >
<!ATTLIST xmpref     refid  %idrefs  #REQUIRED
                    initial (uc|lc) lc
                    boolean (and|or) and
                    page   (yes|no) no           >
<!ATTLIST fig        id    ID    #IMPLIED
                    frame (box|rule|none) none
                    place (top|fixed|bottom) top
                    width (column|page) page
                    align (left|center|right) center
                    lines (flow|lines) lines
                    type (fig|plate|flowchart|diagram|graph)
                      fig
                    number CDATA #IMPLIED      >
<!ATTLIST i1         id    ID    #IMPLIED
                    langcode NMTOKEN #IMPLIED
                    indexid %idref #IMPLIED
                    page   CDATA #IMPLIED      >
<!ATTLIST (i2|i3)    id    ID    #IMPLIED
                    refid  %idref #IMPLIED
                    langcode NMTOKEN #IMPLIED
                    indexid %idref #IMPLIED
                    page   CDATA #IMPLIED      >
<!ATTLIST (ih1|ih2)  id    ID    #IMPLIED
                    seeid  %idref #IMPLIED
                    see    CDATA #IMPLIED
                    langcode NMTOKEN #IMPLIED
                    indexid %idref #IMPLIED
                    print  CDATA #IMPLIED>      >
<!ATTLIST ih3        id    ID    #IMPLIED
                    langcode NMTOKEN #IMPLIED
                    indexid %idref #IMPLIED
                    print  CDATA #IMPLIED      >

```

```

<!ATTLIST iref      refid %idref #REQUIRED
                see    CDATA #IMPLIED
                seeid  %idref #IMPLIED
                langcode NMTOKEN #IMPLIED
                indexid %idref #IMPLIED
                page    CDATA #IMPLIED      >
<!ATTLIST fn        id    ID #IMPLIED
                symbol  CDATA #IMPLIED      >
<!ATTLIST bib        id    ID #IMPLIED      >
<!ATTLIST artwork    name  ENTITY #REQUIRED
                place  (inline|line) line    >
<!ATTLIST revmark    onoff (on|off) #REQUIRED
                version NMTOKEN #IMPLIED
                status  (new|del) new          >
<!ATTLIST name        type (organiz|person) person    >
<!ATTLIST fillin      width CDATA #IMPLIED      >
<!ATTLIST item        punct CDATA “.”          >
<!ATTLIST subitem     width CDATA #IMPLIED
                ofence  CDATA “LSQB”
                cfence  CDATA “RSQB”          >
<!-- Entities for Short References -->
<!ENTITY qtag STARTTAG “q”      -- Quoted phrase start-tag -->
<!ENTITY qetag ENDTAG “q”      -- Quoted phrase end-tag -->
<!ENTITY endtag ENDTAG “”      -- Empty end-tag for any element -->
<!ENTITY tolunit STARTTAG “tol.unit” -- units in tolerances -->
<!ENTITY f.percent CDATA “percent”    >
<!SHORTREF docmap      -- Map for general, use --
    “”      qtag      -- ” is <q> -->
<!USEMAP docmap %doctype;    >
<!SHORTREF qmap      -- Map for quoted phrases --
    “”      qetag      -- ” is </q> -->
<!USEMAP qmap q    >
<!USEMAP #EMPTY cptr    >
<!SHORTREF ixmap      -- Map for index entries --
    “&#RE;” endtag      -- Record end is </> -->
<!USEMAP ixmap (i1|i2|i3|ih1|ih2|ih3)    >
<!SHORTREF tomap      -- Map for units in tolerances --
    “ ”      tolunit      -- space is <tol.unit> -->
<!USEMAP tomap (tol.base|neg|posneg)    >
<!SHORTREF tnmap      -- Map for ; in TN --
    “;”      semi      -- to entity -->
<!USEMAP tnmap tn    >
<!SHORTREF compmap      -- Map for spaces in components--
    “ ”      nbsp      -- space is “nbsp” -->
<!USEMAP compmap (comp)    >
<!SHORTREF tolunit      -- Map for percent signs --
    “%”      f.percent      -- percent sign --
>
<!USEMAP tolunit (tol.unit)    >

```

```
<!-- *****
*
*          TERMINOLOGY          *
*
* ***** -->
```

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Creator: Anders Berglund.

Design based on ISO/CD 10241, ISO/WD 1951

```
-->
<!-- ELEMENTS MIN CONTENT (EXCEPTIONS) -->
<!ELEMENT tl - - (tentry +) -- Terminology list -->
<!ELEMENT tentry - O (tentnr?,(tentry + |
    (termprf +, termnprf*,termorep*,termdef,
    (note | nl) ?,xmp?))
    -- terminology entry -->
<!ELEMENT tentnr - O (#PCDATA) -- entry number-->
<!ELEMENT tentry - O (termprf +,termnprf*,termorep*,termdef?,
    (note | nl) ?,xmp?)
    -- entry content in one language -->
<!ELEMENT (termprf | termnprf) - O (term,tpronce?,tsymbol?)
    -- preferred and non-preferred term(s) -->
<!ELEMENT tterm O O %m.ph; -- text of the term -->
<!ELEMENT tpronce - O %m.ph; -- pronunciation of term -->
<!ELEMENT tsymbol - O %m.ph; -- symbol for term -->
<!ELEMENT termorep - O %m.ph; -- other representation for term -->
<!ELEMENT termdef - O %m.pseq; -- definition of term -->

<!-- ELEMENTS NAME VALUE DEFAULT -->
<!ATTLIST tentry langcode CDATA #REQUIRED >
<!ATTLIST (termprf | termnprf)
    country CDATA #IMPLIED
    meaning NUMBER #IMPLIED
    type (term | nolingex) term
    abbrev CDATA #IMPLIED
    abbrp (yes | no) no
    inflex CDATA #IMPLIED
    wordclas (noun | adj | verb) #IMPLIED
    gender (m | f | n | c) #IMPLIED
    number (pl | sing) #IMPLIED
    verbfeat (trans | intrans) #IMPLIED
    see %idref #IMPLIED
    cf %idref #IMPLIED
    id ID #IMPLIED
    nprf (none | adm | depr | obsol | supers) none>
<!ATTLIST termdef field CDATA #IMPLIED
    source CDATA #IMPLIED >
```

```

<!-- *****
*
*          TABLES
*
*          ***** -->

<![ %alltab; [
<!--.....
.
.          ISO TABLES
.
.          ..... -->
<!-- See the comments in the section CALS TABLES          -->

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-->
<!--      ELEMENTS MIN CONTENT (EXCEPTIONS)      -->
<!ELEMENT tab      - - (tabcap?, tabdesc?, tabcomm?, tabmat,
        (%s.zz;*)      -(%i.float;)      >
<!ELEMENT  tabcap  - O %m.ph;      -- Table caption -->
<!ELEMENT  tabdesc - O %m.pseq;      -- Table description -->
<!ELEMENT  tabcomm - O %m.ph;      -- Table comment -->
<!ELEMENT  tabmat  - - (tabhead?, tabfoot?, tabbody)
        -(%i.float;|tabmat)      -- Table matter -->
<!ELEMENT  (tabhead|tabfoot) - O (arow)      -- header/footer -->
<!ELEMENT  tabbody - O (arow+)      --Body of tabular material -->
<!ELEMENT  arow    - O (c+)      -- Arranged row -->
<!ELEMENT  c       - O (sc+)      -- Table matter cell -->
<!ELEMENT  sc      O O (#PCDATA|hrule| %s.zz;| %p.zz.ph;)* +(tn)
        --Table matter sub-cell -->
<!ELEMENT  tn      - - %m.pseq;      -- Tablenote -->
<!ELEMENT  hrule   - O EMPTY      -- horizontal rule -->
<!--      ELEMENTS NAME VALUE DEFAULT      -->
<!ATTLIST tab
        id      ID      #IMPLIED
        width   CDATA   page
        place   (top|fixed|bottom) top
        align   (left|center|right) center
        type     (tab|chart|table|form|listing)
                tab
        number   CDATA   #IMPLIED      >

<!ATTLIST tabmat
        rotate   (0|90|180|270) 0
        width    CDATA   #IMPLIED
        compact   (compact) #IMPLIED

```