Consortium for the Computer Interchange of Museum Information

CIMI SGML DTD V4

(first public release)

October 1996

for information
http://www.cimi.org/cimi
or
info@cimi.org

This publication was made possible in part by a grant from the Telecommunications and Information Infrastructure Assistance Program, National Telecommunications and Information Administration, U.S. Department of Commerce
Introduction

This document contains the human readable form of the CIMI SGML DTD for museum catalogues and texts. The CIMI DTD has a companion document the Tagging Guide which contains a tag library and describes the application and use of the DTD.

Both documents are available in a variety of electronic formats from:

<ftp.cimi.org/pub/cimi/cimi_sgml/>

Preceeding the DTD proper is a description of the design principles and key elements of the DTD drawn from the Tagging Guide..

CIMI

CIMI (the Consortium for Interchange of Museum Information) is a group of museums and museum bodies which have come together to further the cause of pooling and exchanging museum information. This is an area which has been discussed both locally and internationally for many years, but with few practical results. CIMI aims to make progress at both a theoretical and a practical level.

For more information see <http://www.cimi.org/cimi>

Project CHIO

CIMI's current major demonstration project is Project CHIO (Cultural Heritage Information Online). This project aims to deliver at least 10,000 records of objects and information about Folk Art as a searchable online resource. It includes the full text of exhibition catalogues, wall texts, etc. as well as images and the more traditional museum database records. It can be browsed at <http://www.cimi.org/cimi>.

SGML and the CHIO Full Text DTD

CIMI decided at an early stage in Project CHIO to use the SGML standard (Standard Generalized Markup Language; International Standard ISO 8879:1986) to mark up the textual resources involved in the project (exhibition catalogues and wall texts). In order to do this, it had to adopt or develop a Document Type Definition ("DTD"), a set of rules that defines the allowed structure of SGML documents.

SGML requires that every valid document should have an associated DTD. Although it is possible for every document to have a different, individual, DTD, there are major benefits in adopting a single DTD for a whole project, not least the ability to conduct searches that take account of a document's internal structure. In this sense, a DTD is rather like the Data Definition aspect of a traditional relational database.

Since no DTDs had been developed for museum information of any sort, it was decided that a new DTD was required.
Design Principles

Rendition of the Source Document

One objective that the CHIO project team agreed on, was that the markup should reflect the design of the original printed work from which the SGML version was derived. This would allow each source to be rendered (i.e. displayed on screen or printed) in a format which was compatible with the original book. Thus there should be facilities for marking common features of books such as headings, footnotes, bibliographic references, etc.

It was agreed that this process should stop short of any attempt to produce an exact facsimile of the original work. Nonetheless, we were looking for a DTD that was essentially descriptive, rather than prescriptive, in its approach.

Searching: Access Points

Another principal aim is to provide online access to the relevant parts of documents in response to online enquiries. These enquiries might come from the general museum-going public, or from museum professionals.

In order to do this, any aspects of relevance to potential queries need to be marked up. Also (less obviously) the "scope" of each search term needs to be made clear. If a section within a chapter describes a technique of interest (e.g. rug-hooking), then only that section should be returned to the searcher, not the whole chapter (and certainly not the whole book!).

A distinction was made, when analysing some typical source documents, between the main topic of discourse within a piece of prose, and passing mentions of a topic. For example, a section of one book might be a biographical essay on Grandma Moses, whereas another book might have a passing mention of her name.

Clearly, the biographical essay is likely to be much more valuable to a searcher. We wanted, in our markup, to be able to make a distinction between what we termed "primary" and "secondary" access points.

The need to support specialized "museum" enquiries, as well as general ones, led us to design a framework within which the "museum context" of information could be specified. This framework needed to be very flexible, because we were aiming to describe a wide variety of things: objects, people, techniques, events, ... In the end we produced a modular set of "atomic" "context" terms, which could be combined as required to define a specific context for information.

Linking and Authority Files

Another practical aspect of Project CHIO is that it is meant to be a distributed resource, with contributing documents, object records and image files physically stored anywhere on the Internet. This meant that we needed a method of hyperlinking between e.g. documents and their associated images that was both robust and flexible. Links should not, as far as possible, "hard-wired" to a particular physical location. The location of resources is liable to change over time - in fact this has already happened within the lifetime of the project. Also we wanted to facilitate the possibility of creating "mirror sites" with hyperlinks to a local copy of images etc.
A related issue is the use of authority files, both as an aid to consistent recording and as a means of expanding queries. We wanted to be able to make reference to any authority files that had been used when marking up documents for CHIO.

**Scope of the CHIO Full Text DTD**

The CHIO Full Text DTD Version 4.0 is designed to support the SGML markup of "exhibition catalogues" and "wall texts", and any other museum genres which have a similar pattern of information.

It can also support the representation in SGML of "object" and "person records", both typically structured records derived from database sources. (Originally we had a separate DTD for object records, but found that it was possible, and desirable, to add the ability to code object records into the main DTD.)

**Use of the TEI Framework**

It was agreed that, if possible, an existing DTD design framework should be used as a starting point for the CHIO Full Text DTD. The Text Encoding Initiative ("TEI") scheme was agreed to fulfill Project CHIO's first requirement: the ability to render the main features of each source document. It offers a generic framework for encoding prose (and other source document types that are not relevant to CHIO), with the ability for specific applications to be added as "toppings". This design allowed us to use existing TEI elements for standard textual features as they stood, and still have the freedom to design additional elements to represent items of information that are of particular interest when searching the CHIO databases.

Significantly, the TEI application of SGML also offers museums some well-established techniques for representing multimedia and hyperlinking in a system-independent manner. SGML has a built-in ability to deal with multiple media by means of its "NOTATION" concept. TEI uses this in the <figure> element, which deals with the full range of supporting information that goes with traditional book illustrations. TEI also supports hyperlinking both within and between documents, using an elegant "extended pointer" mechanism which is increasingly being supported by SGML-aware browsers (such as Panorama). This mechanism will also allow pointers to places within non-SGML resources, such as "hot spots" within graphics.

This meant that the underlying DTD supported two-thirds of our requirements, and allowed SGML Working Group to concentrate its efforts on designing a framework for the "museum" aspects of the markup.

**TEI Lite**

In fact, the CHIO Full Text DTD takes "TEI Lite" as its starting point. This is a base-level implementation of TEI for humanities texts. Our analysis of some typical museum texts showed that the TEI Lite framework was well able to support the tagging of "standard" features of exhibition catalogues, such as sections, subsections, lists, footnotes, illustrations, and bibliographies. It was also found to provide support for a number of concepts that are of direct 'museum' significance for Project CHIO, such as personal names, dates, and place names.

The TEI Lite tagset was modified to meet Project CHIO's information needs by removing unnecessary elements, and adding concepts from the basic TEI framework as required. Museum extensions were then added to the DTD to provide support for Project CHIO's requirements for online access.
The general aim is to have the smallest tagset which will:

* allow exhibition catalogues and wall texts to be sensibly marked up
* support Project CHIO's requirements for online access

**Element Naming Conventions**

The CHIO DTD attempts to be consistent when naming additional elements, and to follow conventions similar to those used throughout the TEI.

Where an element contains just the name of a concept of interest, it is usually given the suffix "Name", e.g. `<awardName>`.

Where an element contains a structured set of subelements, with no free text allowed between them and possibly some mandatory sequencing and content, it is given the suffix "Struct", e.g. `<objectStruct>`.

**CHIO access points**

As noted above in Searching: Access Points, we accepted in general terms that we needed both "primary" and "secondary access points". However, this general requirement had to be converted to a specific set of access point values that would allow us to answer the sorts of questions which users of the CHIO database were liable to pose.

See the *Tagguing Guide* for a description of how these access points are implemented as SGML markup.

**Naming and Linking Strategy**

As noted above, a major goal of Project CHIO is to set up a distributed information resource, complete with hyperlinks within and between documents. Achieving this goal involves a considerable amount of care in the design of naming conventions and the use of hyperlinks. This section outlines the approach that has been adopted.

**Public Identifiers**

In order to achieve a degree of insulation from the changes that occur in the siting and naming of Internet resources, we decided that it is desirable to use PUBLIC identifiers rather than SYSTEM identifiers when referring to external image files, documents, etc. This means that there are no system-specific references inside each document: any changes are restricted to an external "entity catalog".

**SGML Open Entity Catalogs**

The entity catalogs which we have set up for Project CHIO conform to the format which has been approved by SGML Open, and is increasingly supported by SGML-aware software. This format is already used directly by Panorama Pro.
URLs as System Identifiers

Where it has not proved possible (or convenient) to create Public Identifiers for entity references, URLs have been used as System Identifiers. This at least gives a form of reference which can be resolved directly by Web-aware software.

Where appropriate (for example where referring to an image file), relative rather than absolute URLs are given, again with the intention of improving "portability" of the reference.

Use of TEI Extended Pointers

In order to support links between documents we have adopted the TEI "extended pointer" mechanism. This allows one to specify a target document, and then a precise position within that document. Although the extended pointer syntax offers a wide variety of methods for specifying positions within a document, we have by and large restricted our usage to an implied "IDREF" (i.e. a pointer to an element with a given ID within the target document), on the grounds that this is the most robust form of link.

The CIMI DTD
<!-- cimibase.ent: document containing all character entity sets, notations, and processing instructions for the CIMI Full Text DTD.
  rbl 17.11.1995 -->
<!ENTITY % ISOpub PUBLIC "ISO 8879:1986//ENTITIES Publishing//EN">
<!ENTITY % ISOlat1 PUBLIC "ISO 8879:1986//ENTITIES Added Latin 1//EN">
<!ENTITY % ISOnum PUBLIC "ISO 8879:1986//ENTITIES Numeric and Special Graphic//EN">
<!ENTITY % ISOgrk3 PUBLIC "ISO 8879:1986//ENTITIES Greek Symbols//EN">
%ISOpub;
%ISOlat1;
%ISOnum;
%ISOgrk3;
<!-- notations: -->
<!NOTATION SGML SYSTEM>
<!NOTATION bmp SYSTEM>
<!NOTATION gif SYSTEM>
<!NOTATION JPEG SYSTEM>
<!-- these are superseded for use with Panorama:
<!NOTATION bmp PUBLIC
  '-//MicroSoft//NOTATION BMP: Bitmap Graphics Format//EN'>
<!NOTATION gif PUBLIC
  '-//Compuserve Information Services//NOTATION Graphics Interchange Format//EN'>
<!NOTATION JPEG PUBLIC
  'ISO DIS 10918//NOTATION JPEG Graphics Format//EN'>
-->
<!-- processing instructions (to support TEI extended pointer linking
  in Panorama): -->
<!TAGLINK xref "TEI-P3">
<!TAGLINK xptr "TEI-P3">
<!ELEMENT TEI.2 - O
  (TEIHEADER, TEXT)
-- The TEiform attribute is also global, but is declared individually
for each element, not in a parameter entity declaration. (end of
3.5) (end of 3.7.3) III. Define the top-level TEI elements: one for
individual texts, one for composites with a collective header. A
TEI document is a text preceded by a TEI header. -->
<!ATTLIST TEI.2
  CLASS CDATA  #IMPLIED
  CORRESP IDREFS  #IMPLIED
  NEXT IDREF  #IMPLIED
  PREV IDREF  #IMPLIED
  ID ID  #IMPLIED
  N CDATA  #IMPLIED
  LANG IDREF  #IMPLIED
  REND CDATA  #IMPLIED
  TEIFORM CDATA   'TEI.2'
>
<!ELEMENT AWARDNAME - -
  (#PCDATA | NOTE | AUTHSTMT)*
-- A TEI corpus is a series of TEI.2 documents, preceded by a corpus-level
TEI header. IV. Embed the actual tag sets. First embed any local modifications and extensions. Then embed the core tag sets, the

(single) base tag set, and the (optional) additional tag sets specified by the user. 3.6.2: Embed local element declarations, etc. Embedding local modifications here allows user modifications to use all

the standard TEI element classes and parameter entities. Extensions to TEI provided by CIMI DTD V4.0 edited rbl 26.10.1995: topic element added in place of TOPIC attribute edited rbl 17.8.1995: collectionName

added; depiction changed to subjectDesc; objectName made available as a low-level tag. edited rbl 26.1.1996: <topic> amended and <context> added. edited rbl 2.2.1996: <topic> and <context> amended. edited

rbl 25.7.1996: <topic> and <context> content models changed (exclusion/inclusion didn't work as expected). CHIO Access Points: Awards: --

> <!ATTLIST AWARDNAME
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
KEY CDATA  #IMPLIED
REG CDATA  #IMPLIED
ROLE CDATA  #IMPLIED
TYPE CDATA  #IMPLIED
TEIFORM CDATA  'AWARDNAME'
>
<!ELEMENT COLLECTIONNAME - -
(#PCDATA | NOTE | AUTHSTMT) #IMPLIED
-- Bibliography: bibl and biblStruct declared as standard TEI elements. Classification: implemented as CLASS attribute on all access point elements. Collections: collection name. --
>
<!ATTLIST COLLECTIONNAME
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED

CHIO Access Points: Awards: --
<!ELEMENT MARK - O
((#PCDATA | OBJECTIDENTIFIER | MATERIALNAME | METHODNAME | TRANSCRIPTION | LOCATION | NOTE | AUTHSTMT)*)
-- History of ownership/Provenance: use ProvenanceDesc preferred
as being more specifically intended: Mark: information about a mark
which appears on an object. Would normally, but not necessarily,
occur
within a description of an object; includes trademark. Note
that the TYPE attribute can be used to indicate the CIDOC 'Object
Mark Interpretation' concept: --
>
<!ATTLIST MARK
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
TYPE CDATA  #IMPLIED
TEIFORM CDATA   'MARK'
>
<!ELEMENT MATERIALNAME - O
((#PCDATA | NOTE | AUTHSTMT)*)
-- Material: --
>
<!ATTLIST MATERIALNAME
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
TYPE CDATA  #IMPLIED
TEIFORM CDATA   'MARK'
>
<!ATTLIST MATERIALNAME
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
This has been implemented by the standard TEI tags <placeName> (which has a number of useful subelements), <geogName> and <address>. Resources: not implemented on first pass. May not be needed for exhibition catalogues. Role: the role played by people, individuals or groups. This is supported by the ROLE attribute, which is 'global' to members of class NAMES. It is also (in V4.0) provided in <topic> and <context>
for primary access points. Style/movement: --

>
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
KEY CDATA #IMPLIED
REG CDATA #IMPLIED
AUTHORITY (NON-AUTHORITATIVE | LOCAL-TO-SERVER | AAT | AAT.DATE | 
ACRL.RBMS-BINDING | ACRL.RBMS-GENRE | ACRL.RBMS-PAPER | ACRL.RBMS-PRINTING 
| ACRL.RBMS-TYPE | BASE-MERIMEE | BGN | BRITISH-ARCHAELOGICAL |
CANADIANA | CDWA | DICTIONARIUM-MUSEOLOGICU | GARNIER | GEOSAURUS
| GLASS | ICOM.COSTUME | ICONCLASS | JEWISH-ART | ISO.LANGUAGE |
ISO.DOCUMENTATION | ISO.ICONIC | ISO.AV | ISO.DATE-TIME | LC.DESCRIPTIVE-GRAPHIC
| LC.NAME | LC.THESAURUS-GRAFIC | LCSH | MOVING-IMAGE-MATERIALS
| NOMENCLATURE | REYNIES | TGN | TOZZER | ULAN | USMARC | VILLARD
| YALE.BRITISH-ARTISTS) #IMPLIED
ROLE CDATA #IMPLIED
TYPE CDATA #IMPLIED
TEIFORM CDATA 'SUBJECTNAME'
>
<!ELEMENT CONTEXT - O
(#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME |
MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME |
TITLENAME | STYLENAMESPACE | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT |
CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE |
DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC |
EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALED | TERM | TITLE |
PTR | REF | XPTR | XREF | ANCHOR | SEG | BIBL | BIBLSTRUCT | MARK |
TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE | FIGURE |
TABLE | TEXT)*
-- subjectDesc: designed to implement the CIDOC Object People Role
Depicted LDG (i.e. 'Subject description' in the brief): Timespan:
use TEI <dateRange> for this. Supports both descriptive and numeric
dates.

Context element, used to give a (museological) context
to topics. Created by rbl, 26.1.1996. CHIO attribute is for CHIO-approved
contexts (taken primarily from CDWA): VALUE and AUTHORITY can be
used in
tandem for any other context (2.2.1996). Context is a
member of TEI classes interpret and metadata. --
>
<!ATTLIST CONTEXT
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
RESP CDATA #IMPLIED
TYPE CDATA #IMPLIED
INST IDREFS #IMPLIED
CHIO (AWARD | BIBLIOGRAPHY | COLLECTION | CONCEPT | CONTEXT | CONTEXT-ARCHAEOLOGICAL |
  CONTEXT-ARCHITECTURAL | CONTEXT-HISTORICAL | COPYRIGHT.RESTRICTIONS |
  CREATION | CREATOR | CREDIT-LINE | CURRENT-LOCATION | DATE-RANGE |
  EVENT | IDENTITY | INSCRIPTION.MARK | MATERIAL | MATERIALS-AND-TECHNIQUES |
  NATIONALITY.CULTURE.RACE | OBJECT.WORK | OCCUPATION | ORGANIZATION |
  OWNERSHIP | PERSON | PLACE | PROCESS.TECHNIQUE | QUOTE | STYLES.MOVEMENTS |
  SUBJECT | SUBJECT-DESCRIPTION | SUBJECT-IDENTIFICATION | SUBJECT-INTERPRETATION |
#IMPLIED
VALUE CDATA #IMPLIED
ROLE CDATA #IMPLIED
KEY CDATA #IMPLIED
AUTHORITY (NON-AUTHORITATIVE | LOCAL-TO-SERVER | AAT | AAT.DATE | ACRL.RBMS-BINDING | ACRL.RBMS-GENRE | ACRL.RBMS-PAPER | ACRL.RBMS-PRINTING |
  ACRL.RBMS-TYPE | BASE-MERIMEE | BGN | BRITISH-ARCHAELOGICAL |
  CANADIANA | CDWA | DICTIONARIUM-MUSEOLOGICU | GARNIER | GEOSAURUS |
  GLASS | ICOM.COSTUME | ICONCLASS | JEWISH-ART | ISO.LANGUAGE |
  ISO.DOCUMENTATION | ISO.ICONIC | ISO.AV | ISO.DATE-TIME | LC.DESCRIPTIVE-GRAPHIC |
  LC.NAME | LC.THESAURUS-GRAPHIC | LCSH | MOVING-IMAGE-MATERIALS |
  NOMENCLATURE | REYNIES | TGN | TOZZER | ULAN | USMARC | VILLARD |
  YALE.BRITISH-ARTISTS) #IMPLIED
TEIFORM CDATA 'CONTEXT'
>
<!ELEMENT TOPIC - -(HOT-SPOT | INDEX | LB | MILESTONE | PB) |
  (#PCDATA | CONTEXT)* -(HOT-SPOT | INDEX | LB | MILESTONE | PB) |
  -- Topic element, used to denote the primary topic of discourse within |
  any element. Member of TEI classes interpret and metadata: Exclusion |
  exceptions added rbl 7.6.1996: didn't use %globincl; because that |
  would rule out <context> as a valid subelement: -- |
>
<!ATTLIST TOPIC |
CLASS CDATA #IMPLIED |
CORRESP IDREFS #IMPLIED |
NEXT IDREF #IMPLIED |
PREV IDREF #IMPLIED |
ID ID #IMPLIED |
N CDATA #IMPLIED |
LANG IDREF #IMPLIED |
REND CDATA #IMPLIED |
RESP CDATA #IMPLIED |
TYPE CDATA #IMPLIED |
INST IDREFS #IMPLIED |
ACCESS-POINT (AWARD | COLLECTION | CONCEPT | COPYRIGHT.RESTRICTIONS |
  CREDIT-LINE | DATE-RANGE | EVENT | IDENTITY-NUMBER | INSCRIPTION.MARK |
  MATERIAL | NATIONALITY.CULTURE.RACE | OBJECT | OCCUPATION | ORGANIZATION |
  PERSON | PLACE | PROCESS.TECHNIQUE | QUOTE | STYLES.MOVEMENTS |
  SUBJECT | TITLE.NAME | TYPE.CLASSIFICATION) #REQUIRED |
VALUE CDATA #IMPLIED |
FROM CDATA #IMPLIED |
TO CDATA #IMPLIED |
EXACT CDATA #IMPLIED |
ROLE CDATA #IMPLIED |
KEY CDATA #IMPLIED
AUTHORITY (NON-AUTHORITATIVE | LOCAL-TO-SERVER | AAT | AAT.DATE | ACRL.RBMS-BINDING | ACRL.RBMS-GENRE | ACRL.RBMS-PAPER | ACRL.RBMS-PRINTING | ACRL.RBMS-TYPE | BASE-MERIMEE | BGN | BRITISH-ARCHAELOGICAL | CANADIANA | CDWA | DICTIONARIUM-MUSEOLOGICU | GARNIER | GEOSAURUS | GLASS | ICOM.COSTUME | ICONCLASS | JEWISH-ART | ISO.LANGUAGE | ISO.DOCUMENTATION | ISO.ICONIC | ISO.AV | ISO.DATE-TIME | LC.DESCRIPTIVE-GRAPHIC | LC.NAME | LC.THESaurus-GRAPHIC | LCSH | MOVING-IMAGE-MATERIALS | NOMENCLATURE | REYNIES | TGN | TOZZER | ULAN | USMARC | VILLARD | YALE.BRITISH-ARTISTS) #IMPLIED
THESaurus (YES | NO) NO
TEiform CDATA 'TOPIC'
>
<!ELEMENT OBJECT-SET - -
(TEIHEADER, OBJECTSTRUCT+)
-- Elements to support 'object DTD' within this DTD: --
>
<!ELEMENT OBJECTSTRUCT - -
(DIV1)* +(TOPIC | CONTEXT | HOT-SPOT | INDEX | LB | MILESTONE | PB )
>
<!ATTLIST OBJECTSTRUCT
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TYPE CDATA #IMPLIED
TEIFORM CDATA 'OBJECTSTRUCT'
>
<!ELEMENT PERSON-SET - -
(TEIHEADER?, PERSONSTRUCT+)
-- Elements to support 'person DTD' within this DTD: --
>
<!ELEMENT PERSONSTRUCT - -
(DIV1)* +(TOPIC | CONTEXT | HOT-SPOT | INDEX | LB | MILESTONE | PB )
>
<!ATTLIST PERSONSTRUCT
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TYPE CDATA #IMPLIED
TEIFORM CDATA 'PERSONSTRUCT'
>
<!ELEMENT AUTHSTMT - -
((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME |
-- Low-level elements required for 'general museum purposes': --

<!ATTLIST AUTHSTMT CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'AUTHSTMT'
>

<!ELEMENT CREDITLINE (#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME | MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME | TITELNAME | STYLENAME | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT | CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE | DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC | EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE | PTR | REF | XPTR | XREF | ANCHOR | SEG | BIBL | BIBLSTRUCT | MARK | TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE | FIGURE | TABLE | TEXT)*)
>
<!ATTLIST CREDITLINE CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'CREDITLINE'
>
<!ELEMENT COPYRIGHT (#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME | MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME | TITELNAME | STYLENAME | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT | CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE | DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC | EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE | PTR | REF | XPTR | XREF | ANCHOR | SEG | BIBL | BIBLSTRUCT | MARK | TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE | FIGURE | TABLE | TEXT)*)
>
<!ATTLIST COPYRIGHT CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'COPYRIGHT'
>
<!ELEMENT COPYRIGHT (#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME | MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME | TITELNAME | STYLENAME | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT | CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE | DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC | EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE | PTR | REF | XPTR | XREF | ANCHOR | SEG | BIBL | BIBLSTRUCT | MARK | TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE | FIGURE | TABLE | TEXT)*)
>

CIMI Consortium  October 1996  19
<!-- Mechanism for marking 'hot spots' within returned chunks: --

-- Extensions to existing TEI elements required for CHIO: --

-- Authority (non-authoritative | local-to-server | AAT | AAT.DATE | ACRL.RBMS-BINDING | ACRL.RBMS-GENRE | ACRL.RBMS-PAPER | ACRL.RBMS-PRINTING | ACRL.RBMS-TYPE | BASE-MERIMEE | BGN | BRITISH-ARCHAEOLOGICAL |
<!ELEMENT FILEDESC (TITLESTMT, (EDITIONSTMT)?, (EXTENT)?, PUBLICATIONSTMT, (SERIESSTMT)?, (NOTESSTMT)?, (SOURCEDESC)+)>

<!ATTLIST FILEDESC
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'FILEDESC'>

<!ELEMENT TITLESTMT ((TITLE)+, (AUTHOR | EDITOR | SPONSOR | FUNDER | PRINCIPAL | RESPSTMT)*)>

<!ATTLIST TITLESTMT
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'TITLESTMT'>

<!ELEMENT SPONSOR ((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME | MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME | TITLENNAME | STYLENNAME | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT | CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE | DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC | EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE |
-- The TITLE, AUTHOR, NAME, RESPSTMT, and RESP elements are declared
in file teicore2.dtd, not here. (end of 5.2.1) 5.2.2: The edition
statement --
>
<!ATTLIST EDITIONSTMT
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID  #IMPLIED
N CDATA #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'EDITIONSTMT'
>
<!ELEMENT EDITION - O
(((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME |
MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME |
TITLENAME | STYLENAMESPACE | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT |
CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE |
DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC |
EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE |
PTR | REF | XPTR | XREF | ANCHOR | SEG))*)
>
<!ATTLIST EDITION
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID  #IMPLIED
N CDATA #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'EDITION'
>
<!ELEMENT EXTENT - O
(((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME |
MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME |
TITLENAME | STYLENAMESPACE | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT |
CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE |
DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC |
EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE |
PTR | REF | XPTR | XREF | ANCHOR | SEG))*)
-- (end of 5.2.2) 5.2.3: The extent statement --
>
<!ATTLIST EXTENT
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID  #IMPLIED
N CDATA #IMPLIED
LANG IDREF  #IMPLIED
<!ELEMENT IDNO - O (#PCDATA)>
<!ATTLIST IDNO CLASS CDATA #IMPLIED CORRESP IDREFS #IMPLIED NEXT IDREF #IMPLIED PREV IDREF #IMPLIED ID ID #IMPLIED N CDATA #IMPLIED LANG IDREF #IMPLIED REND CDATA #IMPLIED TYPE CDATA #IMPLIED TEIFORM CDATA 'IDNO'>
<!ELEMENT AVAILABILITY - O ((P)+)>
<!ATTLIST AVAILABILITY CLASS CDATA #IMPLIED CORRESP IDREFS #IMPLIED NEXT IDREF #IMPLIED PREV IDREF #IMPLIED ID ID #IMPLIED N CDATA #IMPLIED LANG IDREF #IMPLIED REND CDATA #IMPLIED STATUS (FREE | UNKNOWN | RESTRICTED) #IMPLIED TEIFORM CDATA 'AVAILABILITY'>
<!ELEMENT SERIESSTMT - O ((TITLE, (IDNO | RESPSTMT)*) | (P)+)>
-- The PUBLISHER, PUBPLACE, and ADDRESS elements are defined in file teicore2.dtd. (end of 5.2.4) 5.2.5: The series statement --
<!ATTLIST SERIESSTMT CLASS CDATA #IMPLIED CORRESP IDREFS #IMPLIED NEXT IDREF #IMPLIED PREV IDREF #IMPLIED ID ID #IMPLIED N CDATA #IMPLIED LANG IDREF #IMPLIED REND CDATA #IMPLIED TEIFORM CDATA 'SERIESSTMT'>
<!ELEMENT NOTESSTMT - O ((NOTE)+)>
-- (end of 5.2.5) 5.2.6: The notes statement --
<!ATTLIST NOTESSTMT
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'NOTESSTMT'
>
<!ELEMENT SOURCEDESC - -
(P | BIBL | BIBLSTRUCT | LISTBIBL)+
-- The NOTE element is defined with the core tags. (end of 5.2.6)
(end of 5.2) 5.2.7: The source description --
>
<!ATTLIST SOURCEDESC
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
DEFAULT (YES | NO) NO
TEIFORM CDATA 'SOURCEDESC'
>
<!ELEMENT ENCODINGDESC - -
((PROJECTDESC)*, (SAMPLINGDECL)*, (EDITORIALDECL)*, (TAGSDECL)?,
(REFSDECL)*, (CLASSDECL)*, (P)*)
-- 5.2.9: Script statement and recording statement (end of 5.2.9)
(end of 5.2.7) 5.3: The encoding description --
>
<!ATTLIST ENCODINGDESC
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'ENCODINGDESC'
>
<!ELEMENT PROJECTDESC - O
((P)+)
-- 5.3.1: The project description --
>
<!ATTLIST PROJECTDESC
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'PROJECTDESC'
>
<!DOCTYPE NAME   TEI.2>
<TEIFORM CDATA   'REFSDECL'>
-- (end of 5.3.5.3) 5.3.6: The classification declaration --
<!ELEMENT CLASSDECL - -
((TAXONOMY)+)
-- (end of 5.3.5.3) 5.3.6: The classification declaration --
<!ATTLIST CLASSDECL
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
TEIFORM CDATA   'CLASSDECL'
>
<!ELEMENT TAXONOMY - -
((CATEGORY)+ | ((BIBL | BIBLSTRUCT), (CATEGORY)*)
-- (end of 5.3.5.3) 5.3.6: The classification declaration --
<!ATTLIST TAXONOMY
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
TEIFORM CDATA   'TAXONOMY'
>
<!ELEMENT CATEGORY - -
(CATDESC, (CATEGORY)*)
<!ATTLIST CATEGORY
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
TEIFORM CDATA   'CATEGORY'
>
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'CREATION'
>
<!ELEMENT LANGUSAGE - O
(P | LANGUAGE)+
-- (end of 5.4.1) 5.4.2: Language usage --
>
<!ATTLIST LANGUSAGE
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
DEFAULT (YES | NO) NO
TEIFORM CDATA 'LANGUSAGE'
>
<!ELEMENT LANGUAGE - O
((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME |
MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME |
TITELNAME | STYELNAME | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT |
CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE |
DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC |
EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCalled | TERM | TITLE |
PTR | REF | XPtr | XREF | ANCHOR | SEG))*)
>
<!ATTLIST LANGUAGE
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
ID ID #IMPLIED
WSD ENTITY #IMPLIED
USAGE NUMBER #IMPLIED
TEIFORM CDATA 'LANGUAGE'
>
<!ELEMENT TEXTCLASS - -
((CLASSCODE | CATREF | KEYWORDS)*)
-- (end of 5.4.2) 5.4.3: Text Classification --
>
<!ATTLIST TEXTCLASS
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
DEFAULT (YES | NO) NO
<!ELEMENT CIT ( (Q | QUOTE) & (BIBL | BIBLSTRUCT | PTR | REF | XPTR | XREF))>
<!ATTLIST CIT
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'QUOTE'>

<!ELEMENT SOCALLED ((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME | MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME | TITLENAME | STYLENAMESPACE | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT | CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE | DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC | EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE | PTR | REF | XPTR | XREF | ANCHOR | SEG))>
<!ATTLIST SOCALLED
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'SOCALLED'>

<!ELEMENT TERM ((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME | MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME | TITLENAME | STYLENAMESPACE | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT | CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE | DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC | EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE | PTR | REF | XPTR | XREF | ANCHOR | SEG))>
<!ATTLIST TERM
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'TERM'>

-- (end of 6.3.3) 6.3.4: Highlighted phrases (cont'd) --

<!ATTLIST TERM
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TEIFORM CDATA 'TERM'-- (end of 6.3.3) 6.3.4: Highlighted phrases (cont'd) --
<!ELEMENT ADDRESS - O
((ADDRLINE)+ | (POSTBOX | POSTCODE | STREET)*)
-- (end of 6.5.3) 6.4.2: Addresses and their components --
>
<!ATTLIST ADDRESS
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
TEIFORM CDATA   'ADDRESS'
>
<!ELEMENT ADDRLINE - O
(((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME | MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME | TITlename | STYlenAME | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT | CREDITLINE | AUTHSTM | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE | DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC | EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALED | TERM | TITLE | PTR | REF | XPTR | XREF | ANCHOR | SEG))*)
>
<!ATTLIST ADDRLINE
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
TEIFORM CDATA   'ADDRLINE'
>
<!ELEMENT STREET - O
(((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME | MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME | TITlename | STYlenAME | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT | CREDITLINE | AUTHSTM | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE | DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC | EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALED | TERM | TITLE | PTR | REF | XPTR | XREF | ANCHOR | SEG))*)
Other components of addresses should be represented using the
general purpose NAME element (end of 6.4.2) 6.6: Simple cross references
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TYPE CDATA #IMPLIED
RESP CDATA #IMPLIED
CRDATE CDATA #IMPLIED
TARGET IDREFS #REQUIRED
TEIFORM CDATA 'PTR'
>
<!ELEMENT REF - -
((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME | MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME | TITLENAMESPACE | STYLENAMESPACE | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT | CREDITLINE | AUTHSTM | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE | DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC | EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE | PTR | REF | XPTR | XREF | ANCHOR | SEG | BIBL | BIBLSTRUCT | MARK | TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE | FIGURE | TABLE TEXT))*
>
<!ATTLIST REF
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TYPE CDATA #IMPLIED
RESP CDATA #IMPLIED
CRDATE CDATA #IMPLIED
TARGET IDREFS #IMPLIED
TEIFORM CDATA 'REF'
>
<!ELEMENT LIST - -
((HEAD)?, (((ITEM)+) | ((LABEL, ITEM)+)))
-- (end of 6.6) 6.7: Lists and List Items --
>
<!ATTLIST LIST
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
TEIFORM CDATA 'LISTBIBL'
>
<!ELEMENT ANALYTIC - O
(AUTHOR | EDITOR | RESPSTMT | TITLE)*
-- 6.10.2.1: Tags for Bibliographic References (cont'd) --
>
<!ATTLIST ANALYTIC
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
TEIFORM CDATA  'ANALYTIC'
>
<!ELEMENT MONOGR - O
(((AUTHOR | EDITOR | RESPSTMT)+, (TITLE)+, (EDITOR | RESPSTMT)*) |
((TITLE)+, (AUTHOR | EDITOR | RESPSTMT)*)?, (NOTE)*, (EDITION, (EDITOR |
RESPSTMT))*), IMPRINT, (IMPRINT | EXTENT | BIBLSCOPE)*)
>
<!ATTLIST MONOGR
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
TEIFORM CDATA  'MONOGR'
>
<!ELEMENT SERIES - O
(TITLE | EDITOR | RESPSTMT | BIBLSCOPE)*
>
<!ATTLIST SERIES
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
TEIFORM CDATA  'SERIES'
>
<!ELEMENT AUTHOR - O
(((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME |
MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME |
TITLENAME | STYLENAMESPACE | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT |
CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE |
DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC |
EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE |
PTR | REF | XPTR | XREF | ANCHOR | SEG))*)
-- (end of 6.10.2.1) 6.10.2.2: Tags for Bibliographic References
(cont'd) --
>
<!ATTLIST AUTHOR
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
TEIFORM CDATA   'AUTHOR'
>
<!ELEMENT EDITOR - O
(((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME |
MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME |
TITLENAME | STYLENAME | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT |
CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE |
DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC |
EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE |
PTR | REF | XPTR | XREF | ANCHOR | SEG))*)
>
<!ATTLIST EDITOR
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
ROLE CDATA   EDITOR
TEIFORM CDATA   'EDITOR'
>
<!ELEMENT RESPSTMT - O
((RESP & NAME), (RESP | NAME)*)
>
<!ATTLIST RESPSTMT
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
ROLE CDATA   EDITOR
TEIFORM CDATA   'RESPSTMT'
>
<!ELEMENT RESP - O
(((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME |
MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME |
TITLENAME | STYLENAME | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT |
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
KEY CDATA  #IMPLIED
REG CDATA  #IMPLIED
AUTHORITY (NON-AUTHORITATIVE | LOCAL-TO-SERVER | AAT | AAT.DATE |
  ACRL.RBMS-BINDING | ACRL.RBMS-GENRE | ACRL.RBMS-PAPER | ACRL.RBMS-PRINTING |
  ACRL.RBMS-TYPE | BASE-MERIMEE | BGN | BRITISH-ARCHAELOGICAL |
  CANADIANA | CDWA | DICTIONARIUM-MUSEOLOGICU | GARNIER | GEOSAURUS |
  GLASS | ICOM.COSTUME | ICONCLASS | JEWISH-ART | ISO.LANGUAGE |
  ISO.DOCLNICATION | ISO.ICONIC | ISO.AV | ISO.DATE-TIME | LC.DESCRITPTIVE-GRAPHIC |
  LC.NAME | LC.THESAURUS-GRAPHIC | LCSH | MOVING-IMAGE-MATERIALS |
  NOMENCLATURE | REYNIES | TGN | TOZZER | ULAN | USMARC | VILLARD |
  YALE.BRITISH-ARTISTS)  #IMPLIED
ROLE CDATA  #IMPLIED
TEIFORM CDATA  'PUBPLACE'
>
<ELEMENT L - O
((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME | |
  MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME | |
  TITLENAME | STYLENNAME | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT |
  CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE |
  DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC |
  EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE |
  PTR | REF | XPTR | XREF | ANCHOR | SEG | BIBL | BIBLSTRUCT | MARK |
  TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE | FIGURE |
  TABLE | TEXT)*)
  -- Note and date are defined elsewhere, as are extent, address, and
  idno. (end of 6.10.2.3) (end of 6.10.1) 6.11.1: Verse --
>
<!ATTLIST L
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
ENJAMB CDATA  #IMPLIED
MET CDATA  #IMPLIED
REAL CDATA  #IMPLIED
RHYME CDATA  #IMPLIED
PART (Y | N | I | M | F)  N
TEIFORM CDATA  'L'
>
<!ELEMENT LG - O
((ARGUMENT | BYLINE | DOCAUTHOR | DOCDATE | EPGRAPH | HEAD | OPENER |
  SALUTE | SIGNED)*, (L | LG)+, (BYLINE | CLOSER | EPGRAPH | SALUTE |
  SIGNED | TRAILER)*)
This definition of the basic text structure is used by most TEI base tag sets; some bases, however, use slight variations upon it.

7: Top-level parts of default structure --
<ELEMENT GROUP - O
((ARGUMENT | BYLINE | DOCAUTHOR | DOCDATE | EPIGRAPH | HEAD | OPENER | SALUTE | SIGNED)*, (TEXT | GROUP)+, (BYLINE | CLOSER | EPIGRAPH | SALUTE | SIGNED | TRAILER)*)
>
<!ATTLIST GROUP
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
DECLS IDREFS #IMPLIED
TEIFORM CDATA 'GROUP'
>
<!ELEMENT DIV - O
(((ARGUMENT | BYLINE | DOCAUTHOR | DOCDATE | EPIGRAPH | HEAD | OPENER | SALUTE | SIGNED)*, ((DIV | DIVGEN)+ | (((BIBL | BIBLSTRUCT | PGRP | L | LG | P | MARK | TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE))+, (DIV | DIVGEN)*)), (BYLINE | CLOSER | EPIGRAPH | SALUTE | SIGNED | TRAILER)*)
-- (end of 7) 7.1.1: Un-numbered divisions --
>
<!ATTLIST DIV
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
DECLS IDREFS #IMPLIED
TYPE CDATA #CURRENT
ORG (COMPOSITE | UNIFORM) UNIFORM
SAMPLE (INITIAL | MEDIAL | FINAL | UNKNOWN | COMPLETE) COMPLETE
PART (Y | N | I | M | F) N
TEIFORM CDATA 'DIV'
>
<!ELEMENT DIV0 - O
(((ARGUMENT | BYLINE | DOCAUTHOR | DOCDATE | EPIGRAPH | HEAD | OPENER | SALUTE | SIGNED)*, ((DIV | DIVGEN)+ | (((BIBL | BIBLSTRUCT | PGRP | L | LG | P | MARK | TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE))+, (DIV | DIVGEN)*)), (BYLINE | CLOSER | EPIGRAPH | SALUTE | SIGNED | TRAILER)*)
<!ELEMENT DIV3 - O
((ARGUMENT | BYLINE | DOCAUTHOR | DOCDATE | EPIGRAPH | HEAD | OPENER | SALUTE | SIGNED)*, ((DIV4 | DIVGEN)+ | (((BIBL | BIBLSTRUCT | PGRP | L | LG | P | MARK | TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE))+, (DIV4 | DIVGEN)*)), (BYLINE | CLOSER | EPIGRAPH | SALUTE | SIGNED | TRAILER)*)
>
<!ATTLIST DIV3
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
DECLS IDREFS  #IMPLIED
TYPE CDATA  #CURRENT
ORG (COMPOSITE | UNIFORM)   UNIFORM
SAMPLE (INITIAL | MEDIAL | FINAL | UNKNOWN | COMPLETE)   COMPLETE
PART (Y | N | I | M | F)   N
TEIFORM CDATA   'DIV2'
>
<!ELEMENT DIV4 - O
((ARGUMENT | BYLINE | DOCAUTHOR | DOCDATE | EPIGRAPH | HEAD | OPENER | SALUTE | SIGNED)*, ((DIV5 | DIVGEN)+ | (((BIBL | BIBLSTRUCT | PGRP | L | LG | P | MARK | TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE))+, (DIV5 | DIVGEN)*)), (BYLINE | CLOSER | EPIGRAPH | SALUTE | SIGNED | TRAILER)*)
>
<!ATTLIST DIV4
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
DECLS IDREFS  #IMPLIED
TYPE CDATA  #CURRENT
ORG (COMPOSITE | UNIFORM)   UNIFORM
SAMPLE (INITIAL | MEDIAL | FINAL | UNKNOWN | COMPLETE)   COMPLETE
PART (Y | N | I | M | F)   N
TEIFORM CDATA   'DIV3'
>
<!ELEMENT DIV5 - O
((ARGUMENT | BYLINE | DOCAUTHOR | DOCDATE | EPIGRAPH | HEAD | OPENER | SALUTE | SIGNED)*, ((DIV5 | DIVGEN)+ | (((BIBL | BIBLSTRUCT | PGRP | L | LG | P | MARK | TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE))+, (DIV5 | DIVGEN)*)), (BYLINE | CLOSER | EPIGRAPH | SALUTE | SIGNED | TRAILER)*)
>
<!ATTLIST DIV5
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
DECLS IDREFS  #IMPLIED
TYPE CDATA  #CURRENT
ORG (COMPOSITE | UNIFORM)   UNIFORM
SAMPLE (INITIAL | MEDIAL | FINAL | UNKNOWN | COMPLETE)   COMPLETE
PART (Y | N | I | M | F)   N
TEIFORM CDATA 'DIV4'

> 

<!ELEMENT DIV5 - O
((ARGUMENT | BYLINE | DOCAUTHOR | DOCDATE | EPIGRAPH | HEAD | OPENER | SALUTE | SIGNED)*, ((DIV6 | DIVGEN)+ | ((((BIBL | BIBLSTRUCT | PGRP | L | LG | P | MARK | TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE))+, (DIV6 | DIVGEN)*)), (BYLINE | CLOSER | EPIGRAPH | SALUTE | SIGNED | TRAILER)*)

> 

<!ATTLIST DIV5
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
DECLS IDREFS #IMPLIED
TYPE CDATA #CURRENT
ORG (COMPOSITE | UNIFORM) UNIFORM
SAMPLE (INITIAL | MEDIAL | FINAL | UNKNOWN | COMPLETE) COMPLETE
PART (Y | N | I | M | F) N
TEIFORM CDATA 'DIV5'

> 

<!ELEMENT DIV6 - O
((ARGUMENT | BYLINE | DOCAUTHOR | DOCDATE | EPIGRAPH | HEAD | OPENER | SALUTE | SIGNED)*, ((DIV7 | DIVGEN)+ | ((((BIBL | BIBLSTRUCT | PGRP | L | LG | P | MARK | TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE))+, (DIV7 | DIVGEN)*)), (BYLINE | CLOSER | EPIGRAPH | SALUTE | SIGNED | TRAILER)*)

> 

<!ATTLIST DIV6
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
DECLS IDREFS #IMPLIED
TYPE CDATA #CURRENT
ORG (COMPOSITE | UNIFORM) UNIFORM
SAMPLE (INITIAL | MEDIAL | FINAL | UNKNOWN | COMPLETE) COMPLETE
PART (Y | N | I | M | F) N
TEIFORM CDATA 'DIV6'

> 

<!ELEMENT DIV7 - O
((ARGUMENT | BYLINE | DOCAUTHOR | DOCDATE | EPIGRAPH | HEAD | OPENER | SALUTE | SIGNED)*, ((BIBL | BIBLSTRUCT | PGRP | L | LG | P | MARK | TOMBSTONE | CIT | Q | QUOTE | LABEL | LIST | LISTBIBL | NOTE))+, (BYLINE | CLOSER | EPIGRAPH | SALUTE | SIGNED | TRAILER)*)

>
provided this notice is included in all copies. These materials may not be altered; modifications to these DTDs should be performed as specified in the Guidelines in chapter "Modifying the TEI DTD." These materials subject to revision. Current versions are available from the Text Encoding Initiative. 14.1.3: Links (end of 14.1.3) 14.2.1:

Extended pointers --
>
<!ATTLIST XREF
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TYPE CDATA #IMPLIED
RESP CDATA #IMPLIED
CRDATE CDATA #IMPLIED
TARGETTYPE NAMES #IMPLIED
TARGETORDER (Y | N | U) U
EVALUATE (ALL | ONE | NONE) #IMPLIED
DOC ENTITY #IMPLIED
FROM CDATA "ROOT"
TO CDATA "DITTO"
TEIFORM CDATA 'XREF'
>
<!ELEMENT XREF - O
EMPTY
>
<!ATTLIST XPTR
CLASS CDATA #IMPLIED
CORRESP IDREFS #IMPLIED
NEXT IDREF #IMPLIED
PREV IDREF #IMPLIED
ID ID #IMPLIED
N CDATA #IMPLIED
LANG IDREF #IMPLIED
REND CDATA #IMPLIED
TYPE CDATA #IMPLIED
RESP CDATA #IMPLIED
CRDATE CDATA #IMPLIED
TARGETTYPE NAMES #IMPLIED
TARGETORDER (Y | N | U) U
EVALUATE (ALL | ONE | NONE) #IMPLIED
DOC ENTITY #IMPLIED
FROM CDATA "ROOT"
TO CDATA "DITTO"
TEIFORM CDATA 'XREF'
>
<!ELEMENT SEG - -
((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME |
<!ELEMENT ORGTITLE - - (((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME | MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME | TITLENAME | STYLENNAME | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT | CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE | DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC | EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE | PTR | REF | XPTR | XREF | ANCHOR | SEG))* )
-- (end of 20.2.3) 20.3: Organization names --
>
<!ATTLIST ORGTITLE
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED
NEXT IDREF  #IMPLIED
PREV IDREF  #IMPLIED
ID ID  #IMPLIED
N CDATA  #IMPLIED
LANG IDREF  #IMPLIED
REND CDATA  #IMPLIED
TYPE CDATA  #IMPLIED
REG CDATA  #IMPLIED
TEIFORM CDATA  'ORGTITLE'
>
<!ELEMENT ORGTYPE - - (((#PCDATA | AWARDNAME | CONCEPTNAME | COLLECTIONNAME | EVENTNAME | MATERIALNAME | METHODNAME | NATIONALITY | OBJECTNAME | OCCUPATIONNAME | TITLENAME | STYLENNAME | SUBJECTNAME | OBJECTIDENTIFIER | COPYRIGHT | CREDITLINE | AUTHSTMT | PERSNAME | PLACENAME | ABBR | ADDRESS | DATE | DATERANGE | MEASURE | NAME | NUM | ORGNAME | RS | TIME | GAP | SIC | EMPH | FOREIGN | GLOSS | HI | MENTIONED | SOCALLED | TERM | TITLE | PTR | REF | XPTR | XREF | ANCHOR | SEG))* )
>
<!ATTLIST ORGTYPE
CLASS CDATA  #IMPLIED
CORRESP IDREFS  #IMPLIED