Chapter 2. The DSSSL Specification

A DSSSL document is an SGML document, and follows the usual mark-up rules of SGML. More specifically, a DSSSL document follows the structure of the dsssl-specification architectural form. A DSSSL specification is what is called an "architectural form", defined by a meta.dtd.

2.1. Architectural Forms

The concept of an architectural form was introduced by the HyTime standard in the Architectural Form Definition Requirements clause.

An architecture is a class of document types with similar structure. It is a way of defining a hierarchy at the level of document structure. An architecture defines a general document architecture, and afterwards, document types can specify that some of their elements correspond with the ones defined in the architecture. The interesting point of architectures is that they are defined with the usual methods of document type definitions, and thus, any document type is in itself an architecture.

2.2. The DSSSL Architectural Form

Below the DSSSL architecture (or the DSSSL DTD which is the same thing) is expanded. When a DSSSL document is written, the desired elements will be chosen.

<!-- ENTITY % DSSSLDTD PUBLIC "ISO/IEC 10179:1996//DTD DSSSL Architecture//EN">


<!-- ATTRIBUTES -- Support attributes for all architectures --
ArcQuant CDATA #FIXED "NAMELEN 64"
ArcDTD CDATA #FIXED "%DSSSLDTD"
ArcDocF NAME #FIXED dsssi-specification
ArcDataF NAME #FIXED dsssi-specification -->

</DSSSL-SPECIFICATION>

<!-- HERE DECLARATIONS MAY BE INCLUDED -->

<!-- START OF GLOBAL DECLARATIONS -->
<BASESET-ENCODING
<LITERAL-DESCRIBED-CHAR
<ADD-NAME-CHARS
<ADD-SEPARATOR-CHARS
<STANDARD-CHARS
<OTHER-CHARS
<COMBINE-CHAR
<Map-SDATA-ENTITY
<CHAR-REPERTOIRE
<FEATURES
<SGML-GROVE-PLAN
<!-- END OF GLOBAL DECLARATIONS -->

<!-- LOCAL DECLARATIONS: SAME AS GLOBAL ONES -->

<!-- STYLE SPECIFICATION -->

<!-- STYLE SPECIFICATION BODY -->

<!-- STYLE LANGUAGE EXPRESSIONS -->

<!-- unit-declaration -->
{define-unit
{define
{construction-rules
{query
{id
{element
{default
{root

<!-- mode-construction-rule-group -->
{mode

<!-- application-flow-object-class-declaration -->
{declare-flow-object-class

<!-- application-characteristic-declaration -->
{declare-characteristic

<!-- application-char-characteristic+property-declaration -->
{declare-char-characteristic+property

<!-- initial-value-declaration -->
{declare-initial-value

<!-- reference-value-type-declaration -->