



First Thoughts on: Requirements for Global IPTC Metadata Structure

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1 Requirements for Global IPTC Metadata Structure

- 1.1 Allow for metadata values that are:
 - Controlled via Named Entities (named entities)
 - Controlled via String Formatting (dates, mail address)
 - Non-controlled
- 1.2 Allow particular attributes and elements within documents to be either validated against a list or datatype spec, or not validated against a list or datatype spec, at the discretion of the publisher or receiver of the data.
- 1.3 Minimize technical challenges for users, taking advantage, where possible, of technologies that are widely adopted.
- 1.4 Allow controlled vocabulary Named Entities to be organized within individual files (herein called “CV Resource Files”) external to the main Schema or DTD. The system should support having a very high number of Named Entities listed in any given CV Resource File.
- 1.5 The CV Resource File must be able to include metadata about the CV Resource File itself, including a creation date of the file, a version number, and perhaps a status value (usable, deprecated, etc.).
- 1.6 Allow publishers or receivers of data to “substitute in” their own CV Resource Files for purposes such as validation and formatting, or build upon (via an inclusion reference) the data presented in other CV Resource Files.
- 1.7 Each CV Entity MAY be associated with one or more display labels. These labels MUST be associated with a language. The language property of a label may be used to present multilingual equivalents of a particular entity. Different label variants MAY be defined and “typed.”
- 1.8 Each CV Entity MAY be associated with one or more documentation comments and metadata. Each comment MUST be associated with a language. These comments are targeted to the CV implementers, not to the end users. Documentation metadata could include a version number for that Named Entity, a date on which that Named Entity was introduced, and a status value indicating whether that value is usable, deprecated, etc.
- 1.9 For Discussion: Support a mechanism that represents the equivalence across different CV Resource Files of different CV Named Entities.
- 1.10 For Discussion: Allow for the representation of a hierarchy of CV Named Entities, or any other named relationship among CV Named Entities.

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