Contracts & the Semantic Web

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Workgroup Deliverables

- An XML namespace whose elements represent each of the 'elements' of a contract
 - this is an XML Schema document
- A 'legal e-dictionary', referenced by the attributes of elements in the namespace
 - this is an RDF Schema document
- A guide explaining how to use the XML elements, how to extend the dictionary, etc. <u>and</u> a description of conventions applicable to HTML/SVG entities
 - this is a text document

Contracts & LegalXML

If a contract is authored . . .

- Using existing tools
 - o a separate LegalXML stream <u>describes</u> the contract
- Using LegalXML tools (formatted by CSS or XSL
 - o a separate LegalXML entity can describe it
- Using HTML/SVG tools
 - embedded LegalXML can <u>describe</u> it
 - o a separate LegalXML entity can describe it



- Contract authors must not be required to change from Word/WP/Adobe/etc.
- Implementation must be possible with today's W3C technologies, not tomorrow's
- Elements developed by the Horizontal,
 Signature, Transcript, and other WGs likely will be used by Contracts WG

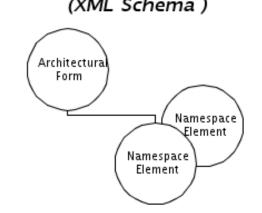


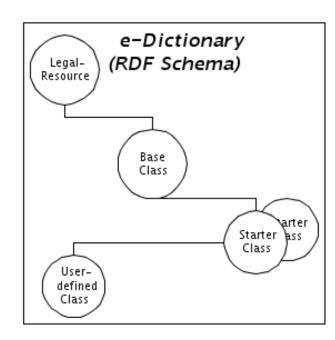
Legal Contract (XML Entity)

Legal XML Namespace Definition (XML Schema)

> Legal XML Court Filing Namespace Definition (XML Schema)

> > Legal XML Contract Namespace Definition (XML Schema)





Namespace Design Issues

- Identify 'root' elements, provide a *name* attribute that points to an entry in a Glossary and/or a Dictionary for specializations of the element, i.e., its type.
- Persons, Places, Things, and Documents . . . and Lists
- Use of other namespaces (vCard, XLL) . . . and ANY
- RDF statements . . . attribute vs. resource elements
 - ... and <Location> and <Qualifier>
 - . . . and RDF Schema properties and classes

Citations

- Legal XML needs to reference permanently formatted material
- No tools or accepted methods exist for generating this material
- Therefore, formatted material must be exchanged

<Presentation>

Standoff markup about a presentation that

- ... Points to a logical document (Legal XML) and or
- ... Points to a formatted document (CSS, XSL, SVG) and or
- ... Provides formatting instructions.

A <Page> element (and others) are likely necessary.

Legal XML Dictionary

- Elements' controlled attributes (e.g., name) map to object classes,
 - ... directly (via an *rdf:type* attribute) or
 - ... indirectly (via a **Term** element's *rdfs.Class* attribute)
- Proper class hierarchy is a key to its longevity
- Every WG has entries for the Dictionary