XML Schema Standards Conformance (XML/SOAP Wrapper)

This chapter covers the following topics:

- XML Schema Parser Standards Conformance

- XML Schema Writer Standards Conformance

XML Schema Parser Standards Conformance

The XML Schema styles "Garden of Eden", "Russian Doll", "Salami Slice" and "Venetian Blind" are supported. Each `xsd:element` declaration containing at least one `xsd:element` or `xsd:attribute` will be interpreted as an IDL program.

Supported Features

- Element declaration

- Model group definition: group

- Model groups: all, choice, sequence

- Attribute declarations

- Attribute group definitions

- Simple type definitions

- Complex type definitions

- Wildcards: any (limited)

- Type derivation (limited)

- Anonymous types

- Nested element declaration (Russian doll design)

- Separate symbol spaces for elements, types, groups and attribute groups

- Abstract and/or Equivalency classes (limited)

- Target namespace resolver

- xsi:type

- Built-in simple types (primitive; simple derivation such as "restriction")

- Constraining facets

- Date/time as per ISO 8601

- Import

- Include (limited)

Unsupported Features

- Identity constraints: unique, key, keyref: cannot be translated into XML structure nodes

- Block

- Built-in simple types (e.g. union)

- Regular expressions in data types or patterns (only supported for date/time values)

- Substitution group

- Recursive data type definition

XML Schema Writer Standards Conformance

Supported Features

- Element declaration

- Attribute declarations

- Model groups: choice, sequence

- Nested element declaration (Russian doll design)

- Type derivation (limited)

- Anonymous types

- Simple type definitions

- Complex type definitions

- Built-in simple types (primitive; simple derivation such as "restriction")

- Constraining facets

- Date/time as per ISO 8601 subset

- Annotations for XML mapping information

- Separate symbol spaces for elements, types, groups and attribute groups

- xsi:type (limited)

Unsupported Features

- Other Model groups or group definition (e.g. attribute groups)

- Wildcards: any

- Abstract and/or Equivalency classes (limited)