Conformance Clauses in ReSpec 1.0.0 and later

ReSpec 1.0.0 introduces a new capability for conformance clause handling. For a simple example, see examples/oasis-oslc/template-spec.html in the ReSpec project (<http://ndjc.github.io/respec/examples/oasis-oslc/template-spec.html>).

## Conformance Section

ReSpec now recognizes a section with id=’conformance’ as special, and will add content to that section as described here. **If you have an existing section with that id, you may need to rename it or move its contents.**

ReSpec will add conformance clause numbers to any existing references to conformance clauses (see later) that exist in the conformance section.

For example, the HTML

<p>Servers MUST do <a href='#must1'>various things</a>.</p>

(when appearing in the conformance section) will generate something looking like this:

Servers must do [various things](file:///Users/ndjc/git/respec/examples/oasis-oslc/conformance-test-terse.html#must1) [cc-1].

By default, ReSpec will add a table of conformance clauses at the end of the conformance section. If you do not want this table, but would prefer to have only your own text in the conformance section, add a property to the respecConfig section:

noConformanceTable: 1,

 The table will look like this:

| **Clause Number** | **Strength** | **Requirement** |
| --- | --- | --- |
| [TEST-CC-1](file:///Users/ndjc/git/respec/examples/oasis-oslc/conformance-test-table.html#must1) | must | Servers must do x y and z. |
| [TEST-CC-2](file:///Users/ndjc/git/respec/examples/oasis-oslc/conformance-test-table.html#cc-clients-should-preserve-unknown-attributes) | should | Clients should preserve unknown attributes |
| [TEST-CC-3](file:///Users/ndjc/git/respec/examples/oasis-oslc/conformance-test-table.html#perform) | must | Must perform well |

Each row contains a link to an auto-numbered conformance clause, the strength defined for that clause, and some text from that clause; see later for details on how to format a conformance clause.

If you do not have any of your own text in the conformance section, ReSpec will add the following text before the table:

Implementations of this specification need to satisfy the following conformance clauses.

## Conformance Clauses

Define a conformance clause by adding class='conformance' to any HTML element (typically a paragraph or span). Define the strength of that clause with the strength attribute. Optionally, define an identifier if you want to declare your own links to that clause – if you do not define an identifier, one will be added for you. Either way, the identifier is used for links from the conformance clause table.

Here are some (not necessarily good!) examples of conformance clauses, corresponding to the earlier example conformance clause table:

<p class='conformance' id='must1' strength='MUST'>Servers MUST do x y and z.</p>

<span class='conformance' strength= 'should'>Clients SHOULD preserve unknown attributes</span>, and …

<span id='perform' class='conformance' strength='must' title='Must perform well'>We require that the server respond within 1 second</span>.

Note that the case of the strength attribute does not matter, and that the text of the HTML element itself is used as the text in the conformance table by default, but may be replaced using the title attribute.

Conformance clauses are numbered consecutively as discovered in the document as it appears after any reordering that ReSpec normally does on sections. A prefix is added before the number; by default the prefix is CC-, but this may be changed by adding a property to the respecConfig section:

conformanceLabelPrefix: "TEST-CC",

 For each conformance clause, ReSpec adds an anchor using the given identifier, appends the clause number, and applies a lightly colored background so the clause stands out:

Servers MUST do x y and z. [TEST-CC-1]

Clients SHOULD preserve unknown attributes [TEST-CC-2], and …

We require that the server respond within 1 second [TEST-CC-3].

If you do not want the coloring, add a property to the respecConfig section:

noConformanceStyling: 1,

## Falling Back

If something goes wrong, and the newer version of ReSpec breaks your specification, modify the ReSpec script include to use the older version 0.3.8:

<script src='file:///Users/ndjc/git/respec/builds/oasis/respec-oasis-common-0.3.8.js' async class='remove'></script>