

## Collaboratory Overview

Thursday, October 8, 2020

### Note on the current status of the Collaboratory:

- Updates have been made to the class pages. Specifically, draft version of changes made to:
  - [Class Definition](#)
  - [Specification Element\(?\) Definition](#)
  - [Specification Definition](#)
- Old term definition pages have not been removed (but don't fit into new templates/structure)
- No changes have been made to the properties' pages yet
- No changes have been made to the documentation/guidelines (e.g. regarding governance processes)

### Questions regarding Collaboratory requirements:

- Terminology:
  - City data (conceptual level) model: classes, object properties, data properties?
  - What about referenced specifications? Do/can we make the same distinctions?
- Structure: attributes and relationships between pages on the wiki TBD (see current structure below)

### Class definition fields:

- Review existing class: Feature, outline fields (below)

Field	Description
subClassOf	<ul style="list-style-type: none"><li>• If applicable, what class (input supported by autocomplete via existing classes) the class is a subclass of</li><li>• Optional</li></ul>
Namespace	<ul style="list-style-type: none"><li>• Namespace for the class (TBD)</li><li>• Mandatory</li></ul>
Formal definition	<ul style="list-style-type: none"><li>• A formal definition for the class in UML or DL</li><li>• DL definition in Manchester syntax, we can specify this with links to classes if pages exist</li><li>• Mandatory</li></ul>
Description	<ul style="list-style-type: none"><li>• Natural language description of the class</li><li>• Mandatory</li></ul>
Required by use case(s)	<ul style="list-style-type: none"><li>• Link to relevant use cases (autocomplete via existing use cases)</li><li>• Optional</li></ul>
Definition status	<ul style="list-style-type: none"><li>• Indicates the stage of the definition</li><li>• Mandatory, set by admin</li></ul>
Subclasses	<ul style="list-style-type: none"><li>• Identify what classes are subclasses of the class</li></ul>

	<ul style="list-style-type: none"> <li>• Input supported by autocomplete via existing classes, updated based on new definitions</li> <li>• Optional</li> </ul>
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**Specification definition fields:**

- Review ISO 5087-3 definition
- Create ISO 5087-1 definition

Field	Description
Specification number	<ul style="list-style-type: none"> <li>• Identifier for specification</li> <li>• Mandatory</li> </ul>
Reference(s)	<ul style="list-style-type: none"> <li>• Reference for full specification (e.g. url or document citation)</li> <li>• Mandatory</li> </ul>
Description	<ul style="list-style-type: none"> <li>• A brief natural language description of the standard (scope + purpose)</li> <li>• Mandatory</li> </ul>
Specification License	<ul style="list-style-type: none"> <li>• The licensing that applies to the standard</li> <li>• Drop-down selection based on pre-defined Licenses (list TBD)</li> <li>• Mandatory</li> </ul>
Licensing Comments	<ul style="list-style-type: none"> <li>• Any additional comments regarding the licensing</li> <li>• Optional</li> </ul>

**Specification Element definition fields**

- Review ISO5087-3::Route
- Create ISO 5087-1::Feature

Field	Description
Defined in specification	<ul style="list-style-type: none"> <li>• Specification that the element (term) originates from</li> <li>• Input supported by autocomplete via defined Specifications</li> <li>• Mandatory</li> </ul>
Reference(s)	<ul style="list-style-type: none"> <li>• Reference for the element in the specification (url, citation, section number,...)</li> <li>• Mandatory</li> </ul>
Description	<ul style="list-style-type: none"> <li>• A natural language description of the term</li> <li>• Mandatory</li> </ul>
Definition	<ul style="list-style-type: none"> <li>• Definition of the term</li> <li>• Formalized in OWL/UML?</li> <li>• Optional?</li> </ul>

Required by Use Case	<ul style="list-style-type: none"><li>• Link to relevant use cases (input supported by autocomplete via existing use cases)</li><li>• Optional</li></ul>
Definition License?	<ul style="list-style-type: none"><li>• Specification of license that applies to the term/definition</li><li>• Optional</li></ul>
Licensing Comments	<ul style="list-style-type: none"><li>• Additional comments about licensing</li><li>• Optional</li></ul>
Specification Model For	<ul style="list-style-type: none"><li>• Class (or property?) in the city data model that corresponds to this element</li><li>• Input supported by autocomplete based on defined classes</li><li>• Optional</li></ul>

## Collaboratory Structure (Class-focused)

