



# **National Railway Network (NRWN)**

## **Conceptual Data Model**

**Edition 1.0**

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**REVISION HISTORY**

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2012-10-03	1.0	Initial version.

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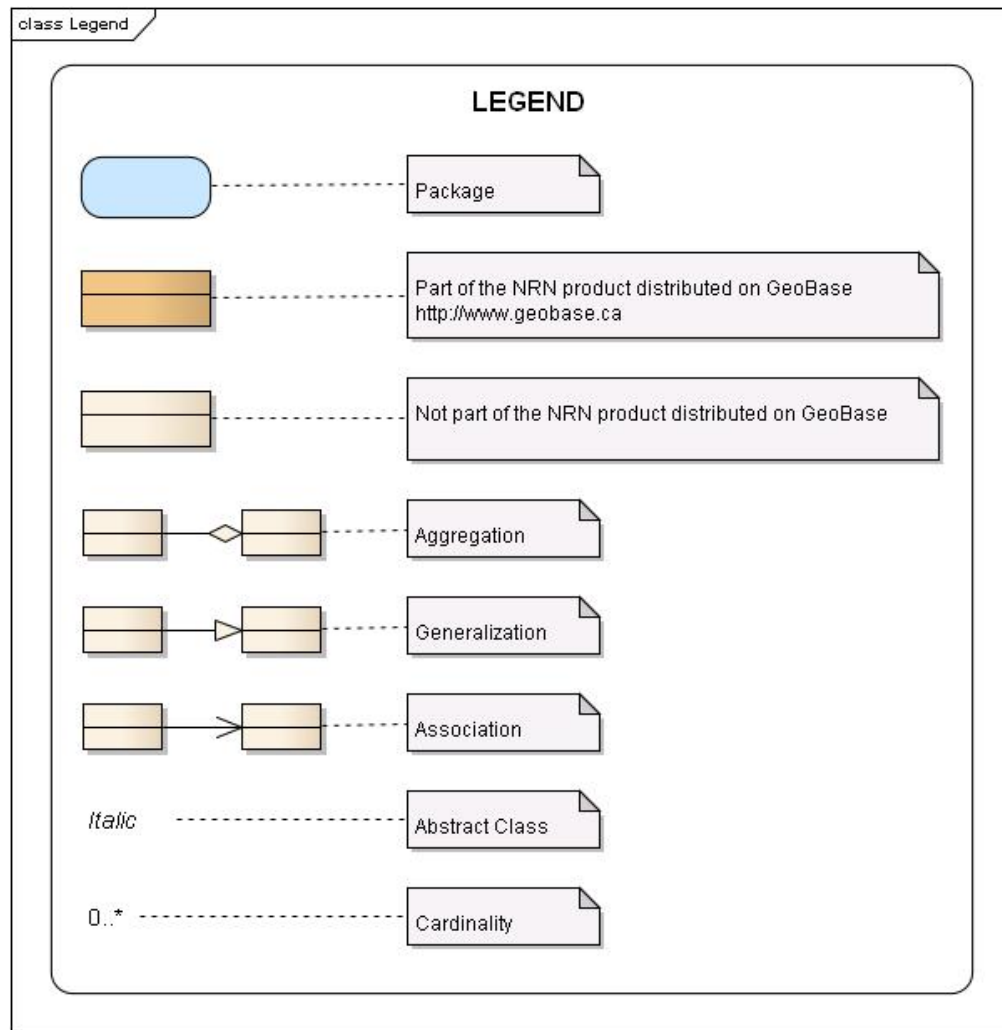
## 1 OVERVIEW

The National Railway Network (NRWN) conceptual model was elaborated in collaboration with interested data providers and is adopted by the Canadian Council on Geomatics (CCOG). The ISO 14825 — *Intelligent transport systems — Geographic Data Files (GDF) — Overall data specification* standard served as a guide for the elaboration of the NRWN conceptual model and feature catalogue. The NRWN vocabulary used (class names, attribute names and definitions) largely conforms to the ISO 14825 terminology and the one used by Transport Canada.

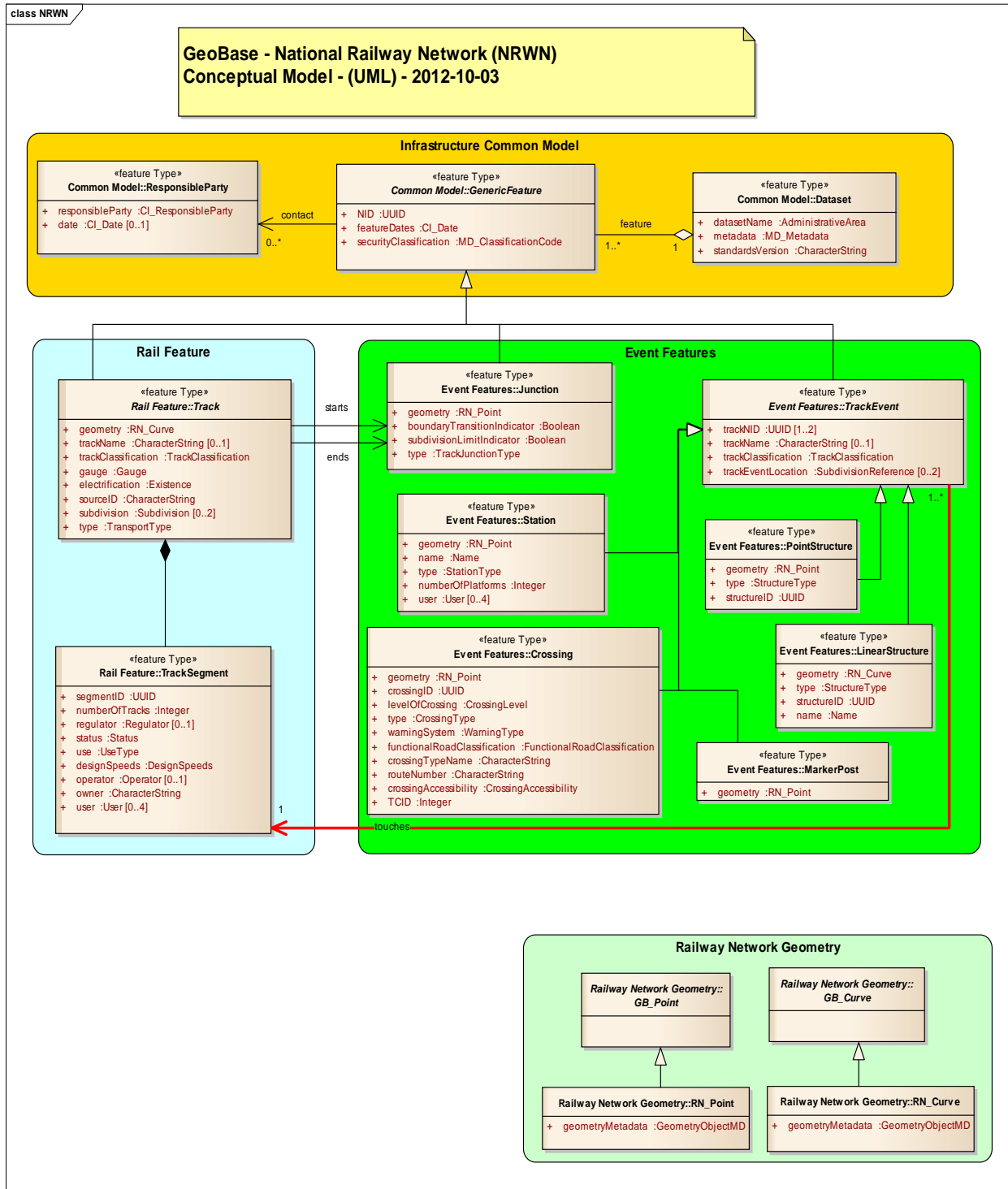
## 2 MODEL DESCRIPTION

This document describes the NRWN data conceptual model where segmentation is created on linear elements where an attribute value changes.

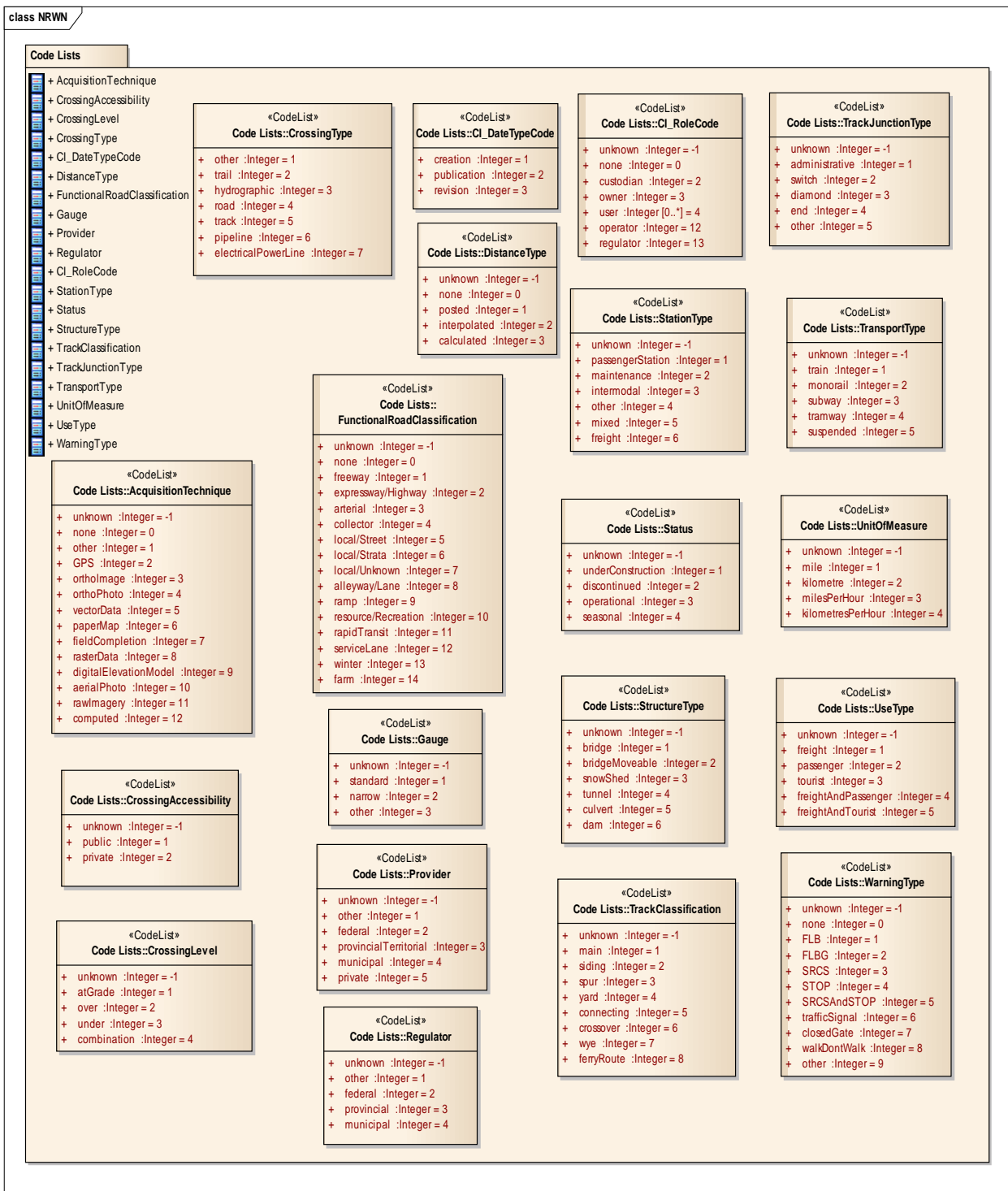
It also identifies classes and attributes that are part of the NRWN, Edition 1.0 product distributed on the GeoBase portal ([www.geobase.ca](http://www.geobase.ca)). The conceptual model is represented using UML (Unified Modeling Language) notation. Refer to the following legend for more information on the UML notation.



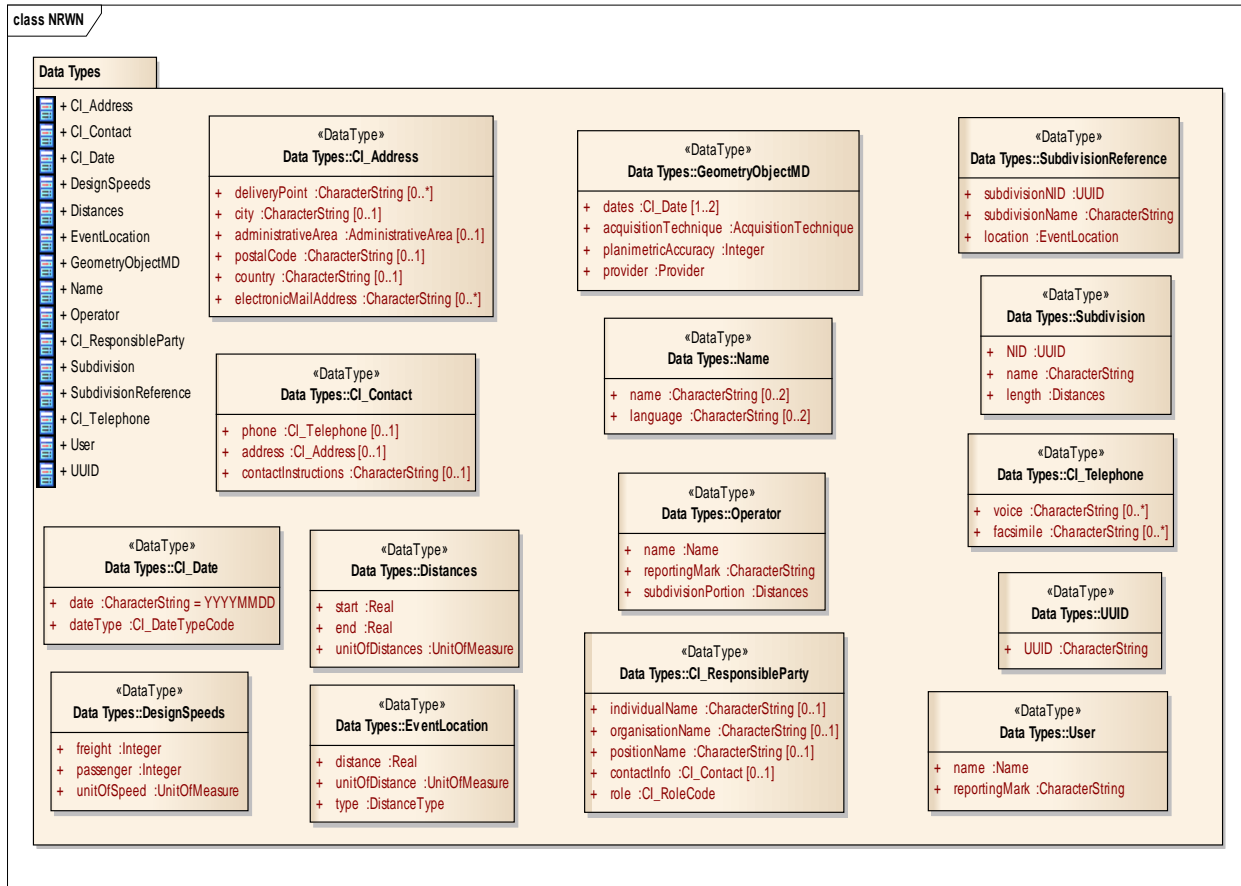
2.1 Global View



## 2.2 Code Lists

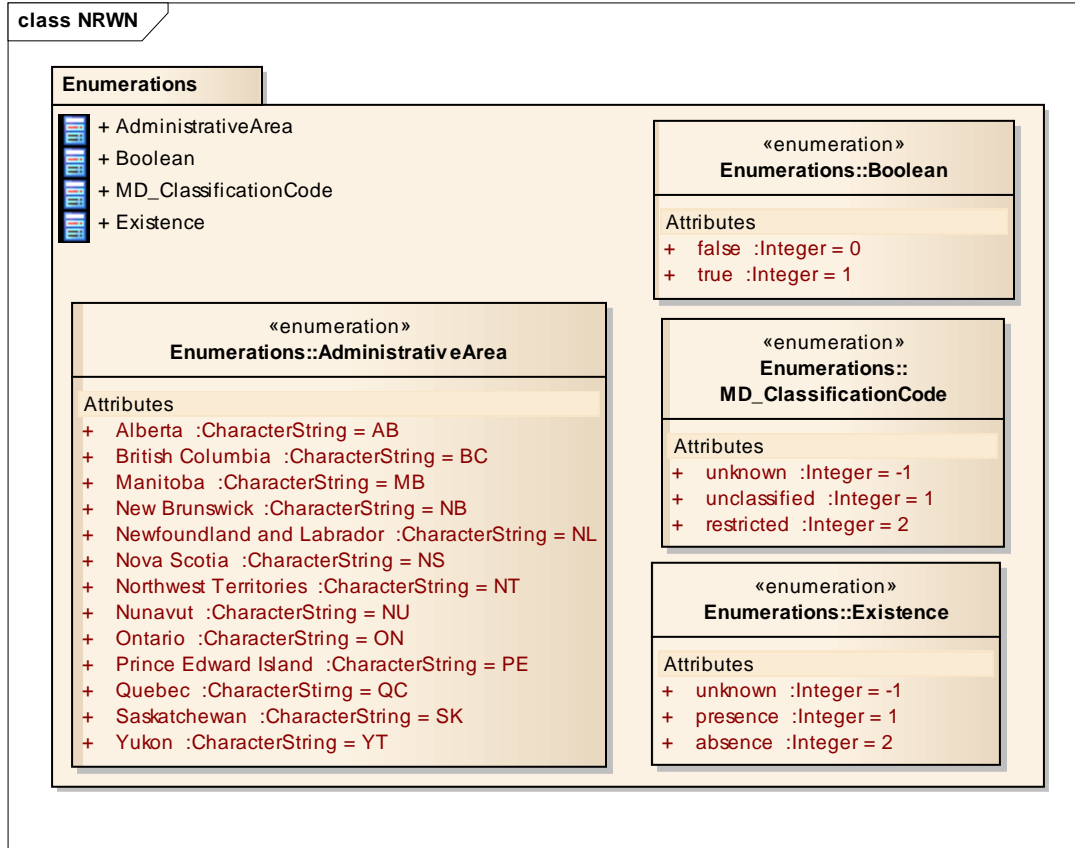


### 2.3 Data Types





## 2.4 Enumerations



## 2.5 Geometry

