

PLANROOM

Data Specification and Schema

Planroom Version 1.0

March 4, 2014

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1. Planroom

The Planroom schema is discussed in this document as a class diagram using the Unified Modeling Language notation, UML. The document should present the overall structure of the schema and discuss its components and dependencies.

1.1 The Planroom schema

The Planroom schema is the schema to be used for sending and receiving Plan Room project information between parties involved in electronic exchange of business messages.

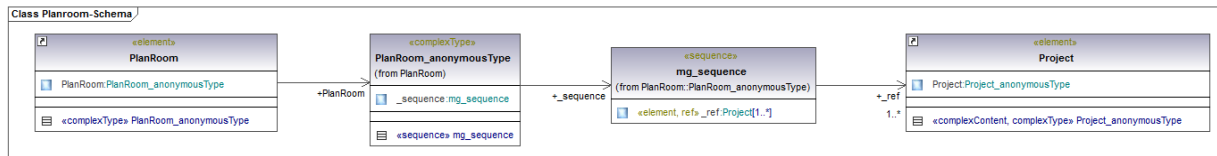
1.1.1 Namespace considerations

The following namespaces are assigned:

- aecXMLCOS:
 - xmlns:cos="http://www.aecXML.org/agcXML/cos"
- agcXMLCommon:
 - xmlns:agcxml="http://www.aecXML.org/agcXML/agcXMLCommon"
- Planroom:
 - xmlns:agcprml="http://www.aecXML.org/agcXML/Planroom"

1.2 The Planroom root element

The root element of the xml exchange document is the Planroom element. The Planroom element contains the Project element, which can have a one to many relationship within Planroom.

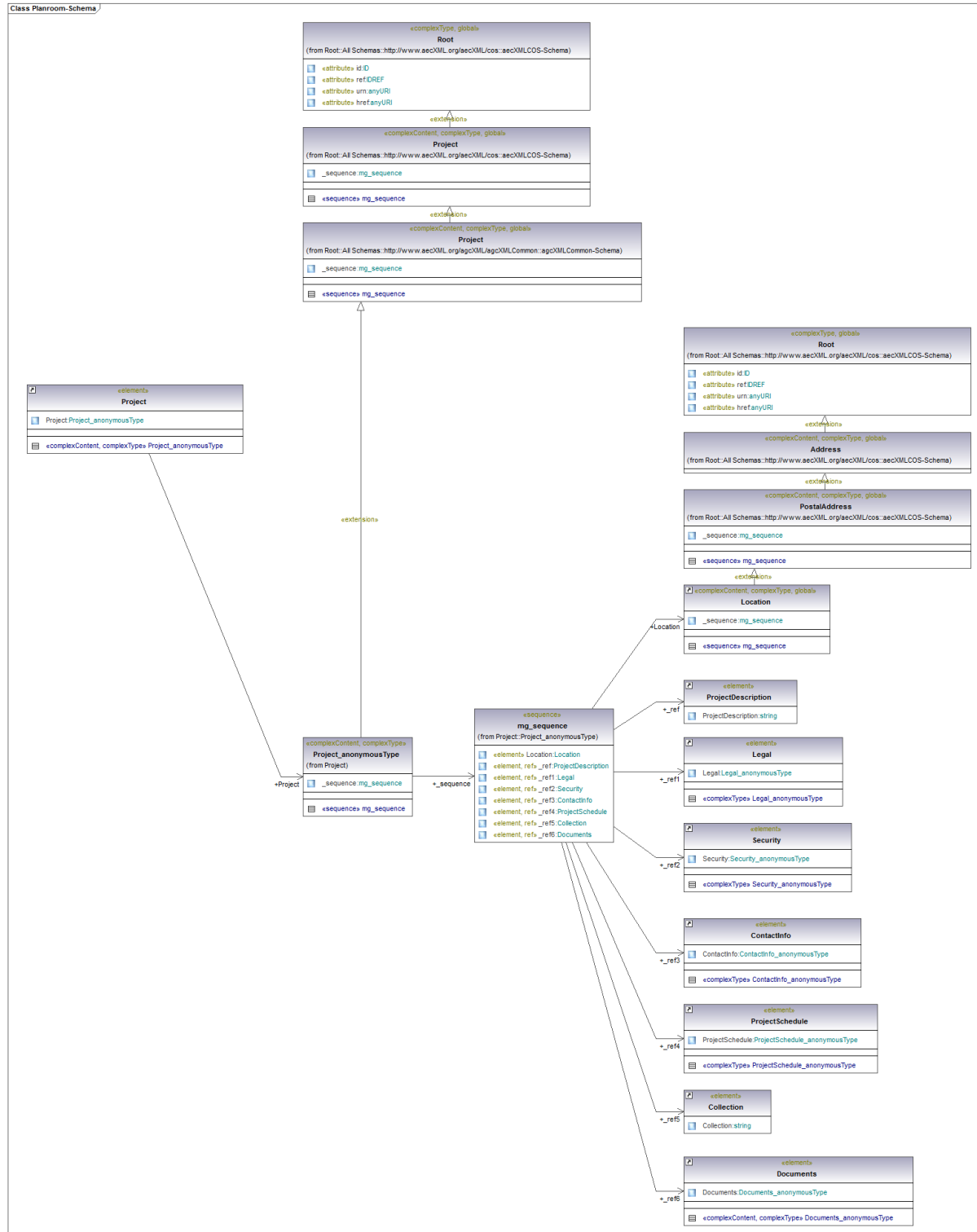


1.3 Project

The Project element contains information about a specific project on the Planroom. Project is derived from Project in the "agcXML Common Definitions". Project is extended to include additional properties necessary for Plan Room. The Project carries, if fully instantiated, the following information:

- Project information for the Plan Room
 - Location
 - Project Description
 - Legal
 - Security
 - Contact Information
 - Project Schedule
 - Collection
 - Documents

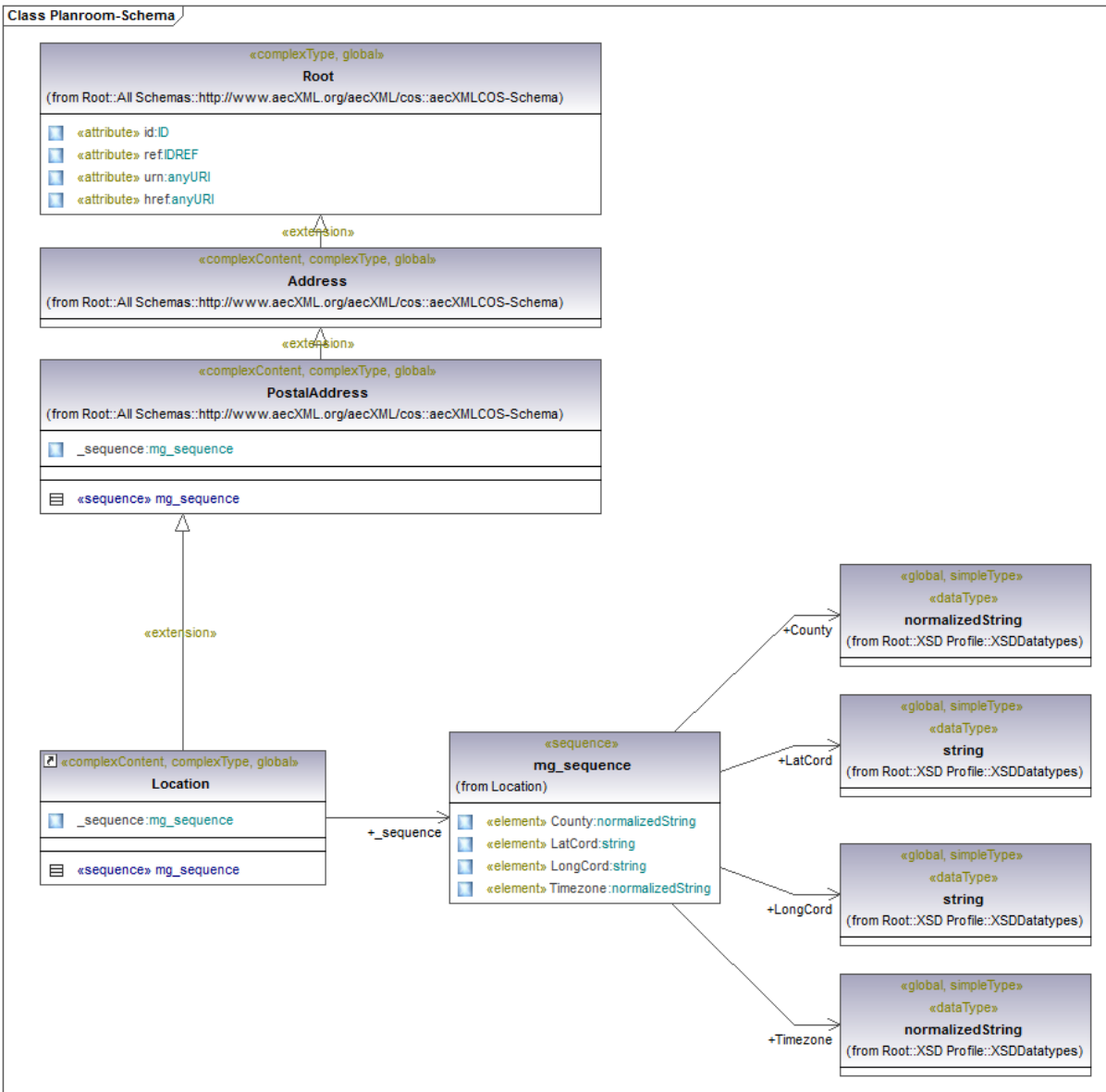
Planroom



1.3.1 Location

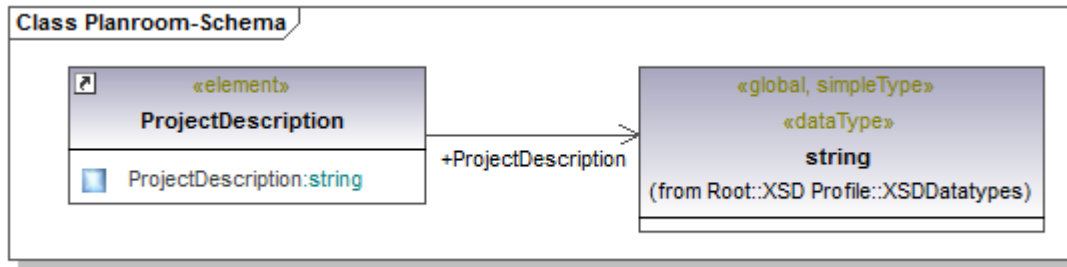
Location is a complex type defined in the Planroom schema. Location is used generically to define the location of an entity. Location derives from PostalAddress in “agcXML Common Definitions”.

PostalAddress is extended to include county, latitude coordinate, longitude coordinate, and timezone.



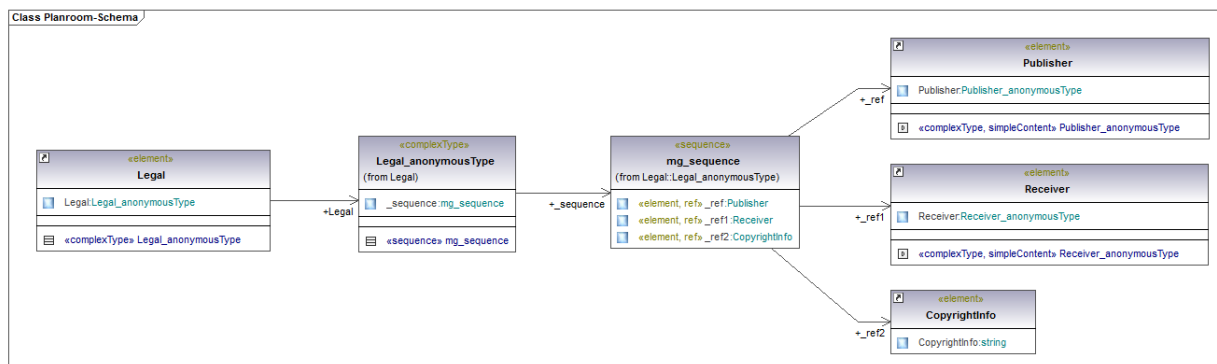
1.3.2 Project Description

The ProjectDescription element contains the description of the project.



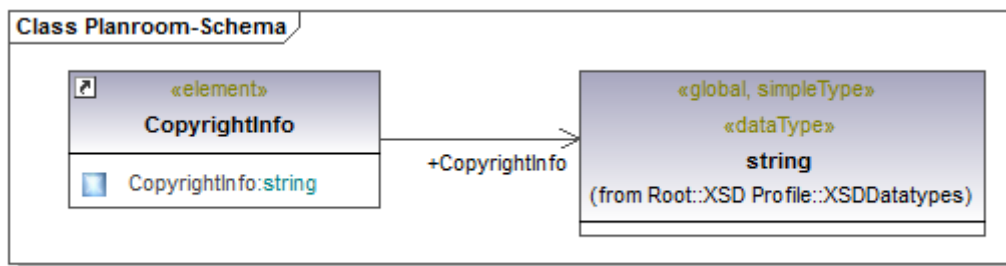
1.3.3 Legal

The Legal element contains legal information for the Planroom Project. This includes Publisher, Receiver, and CopyrightInfo elements.



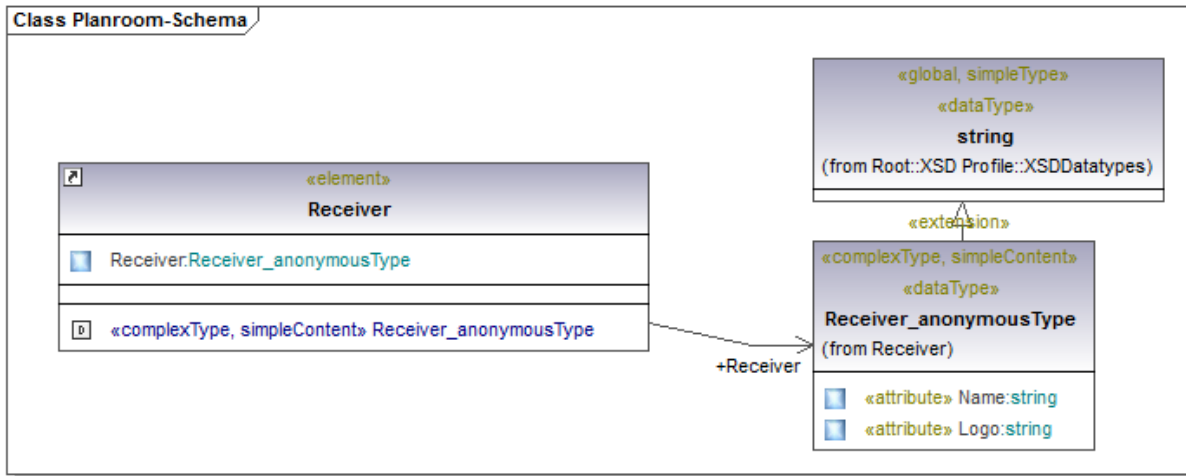
1.3.3.1 Copyright Information

The CopyrightInfo element includes the copyright information for the Project.



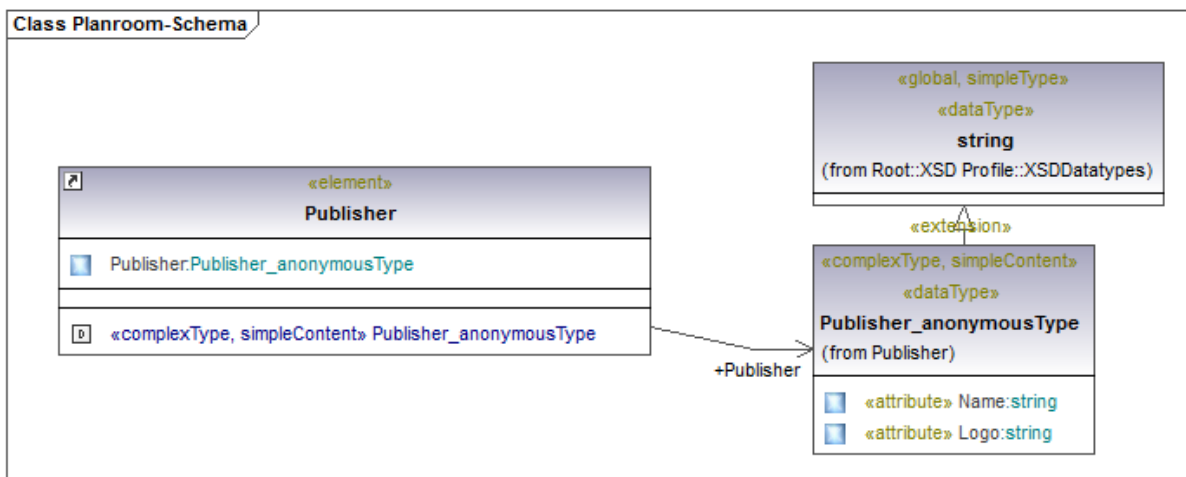
1.3.3.2 Receiver

The Receiver element includes information about the legal receiver, specifically the Name and Logo.



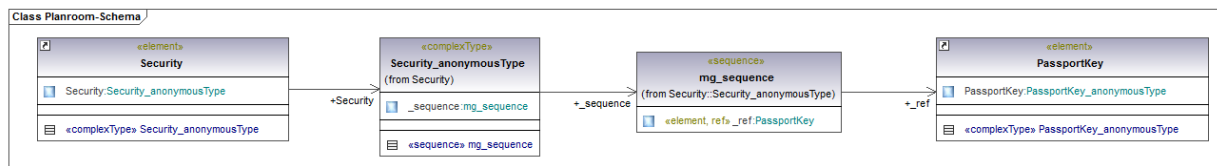
1.3.3.3 Publisher

The Publisher element includes information about the legal publisher, specifically the Name and Logo.



1.3.4 Security

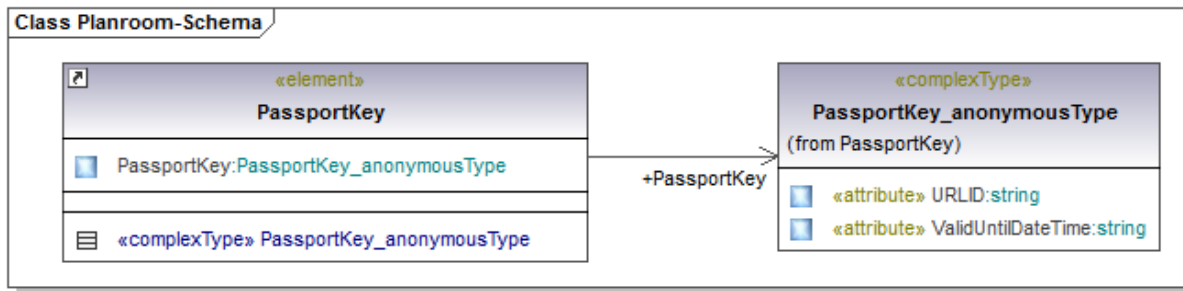
The Security element contains security information about the Planroom Project. Security includes the PassportKey element.



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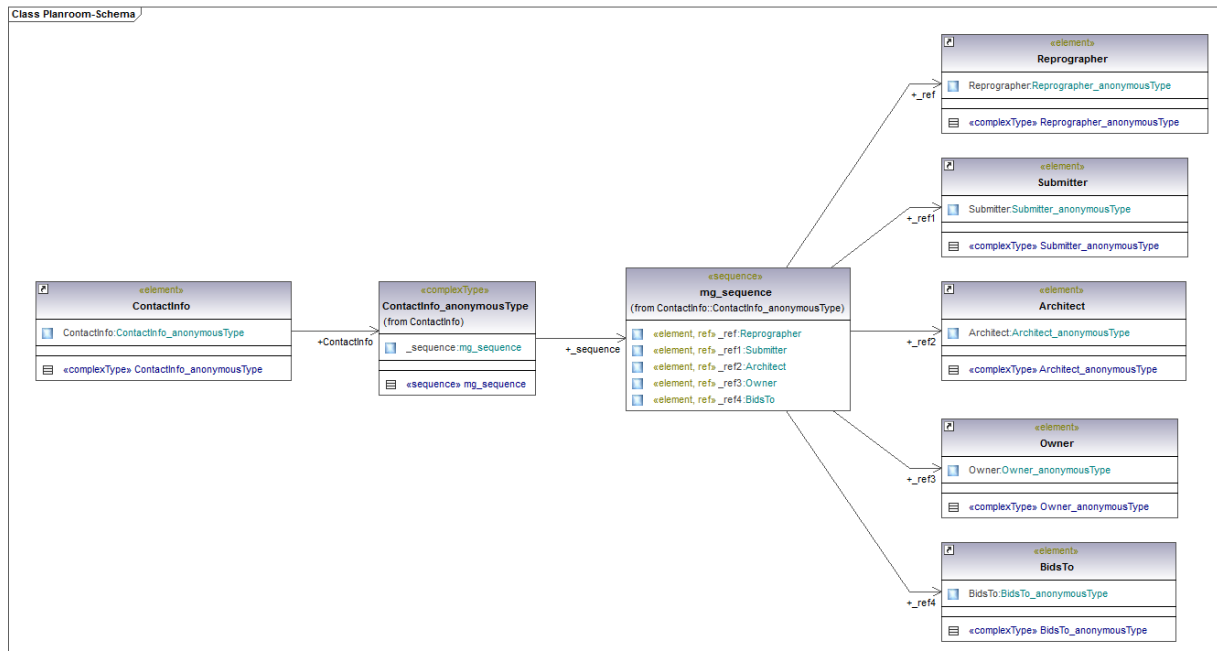
1.3.4.1 Passport Key

The PassportKey element includes information about a passport. The fields included are URLID and ValidUntilDateTime.



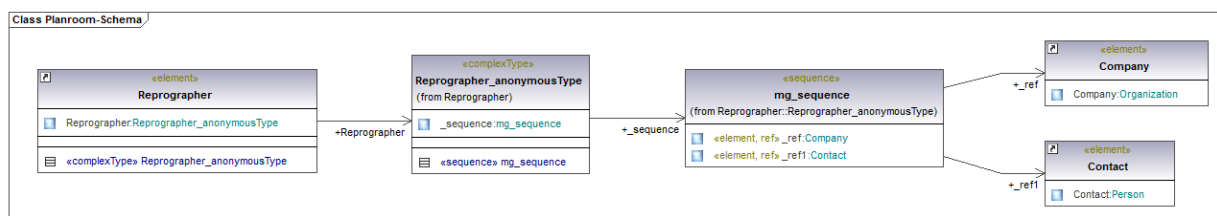
1.3.5 Contact Information

The ContactInfo element contains contact information for the persons involved in the Planroom Project. They include Reprographer, Submitter, Architect, Owner, and BidsTo.



1.3.5.1 Reprographer

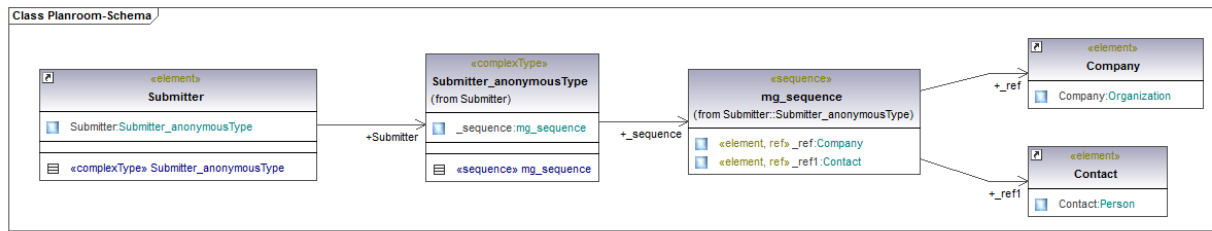
Specific contact information for the person: Reprographer. This element includes Company and Contact.



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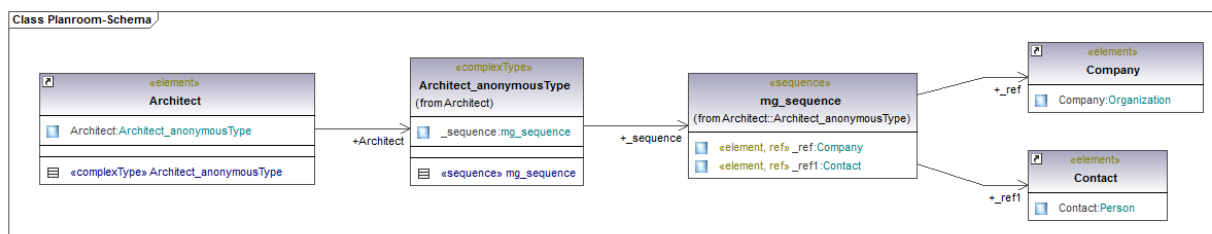
1.3.5.2 Submitter

Specific contact information for the person: Submitter. This element includes Company and Contact.



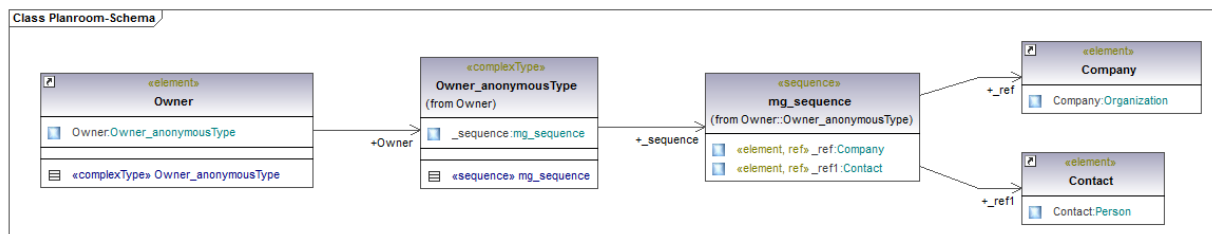
1.3.5.3 Architect

Specific contact information for the person: Architect. This element includes Company and Contact.



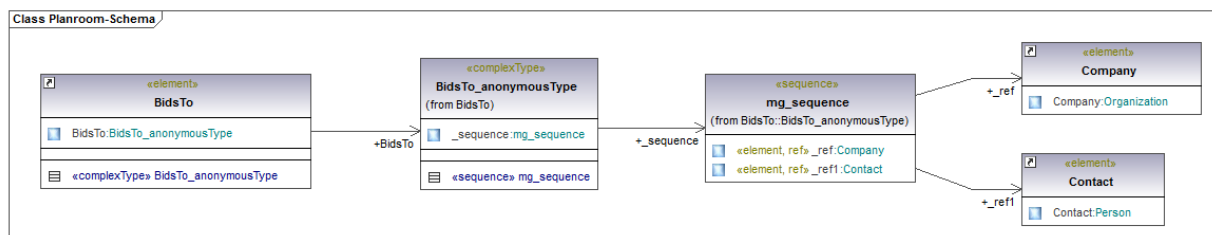
1.3.5.4 Owner

Specific contact information for the person: Owner. This element includes Company and Contact.



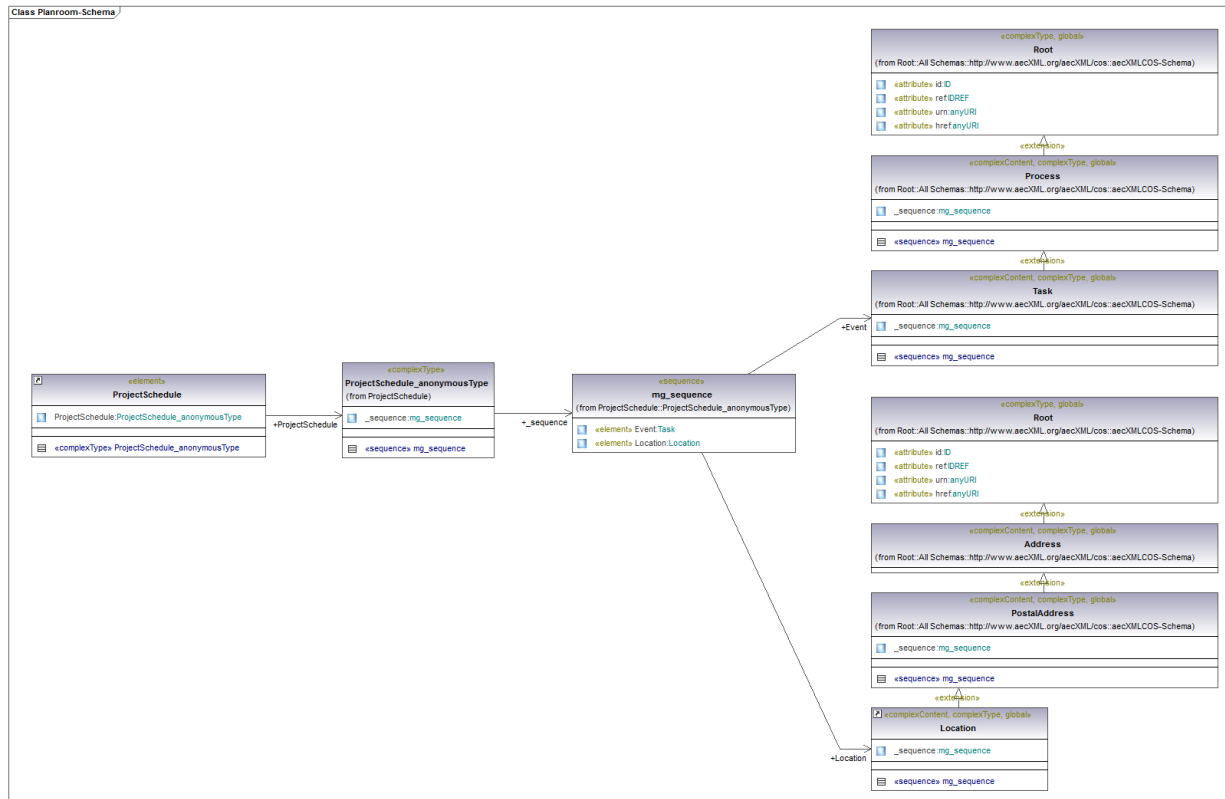
1.3.5.5 BidsTo

Specific contact information for the person: BidsTo. This element includes Company and Contact.



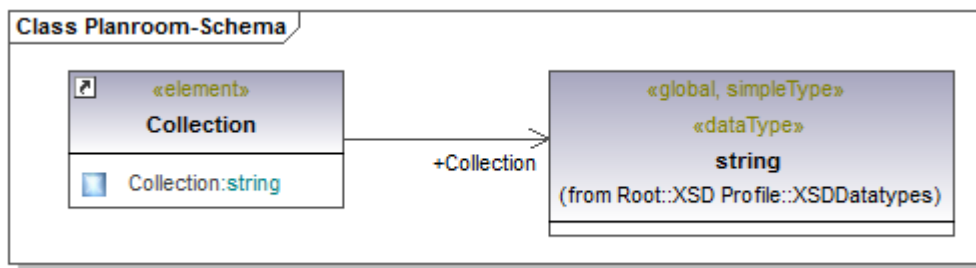
1.3.6 Project Schedule

The ProjectSchedule element contains the schedule for the project. ProjectSchedule includes an Event element that is of type Task from “agcXML Common Definitions”. Also included in ProjectSchedule is a complex type Location. Location includes Postal Address, latitude/longitude, and timezone.



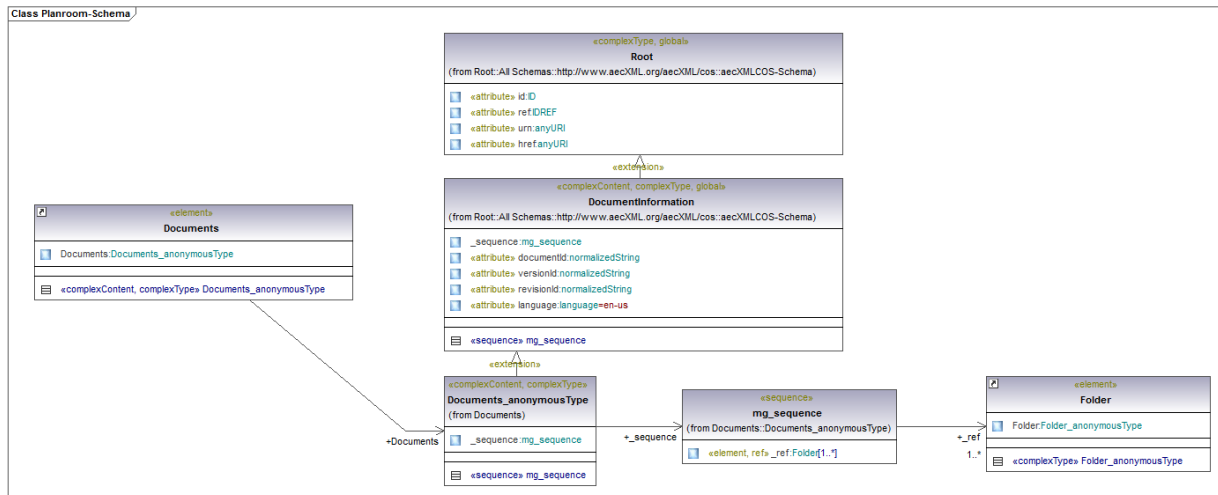
1.3.7 Collection

The Collection element contains collection information about the Planroom Project.



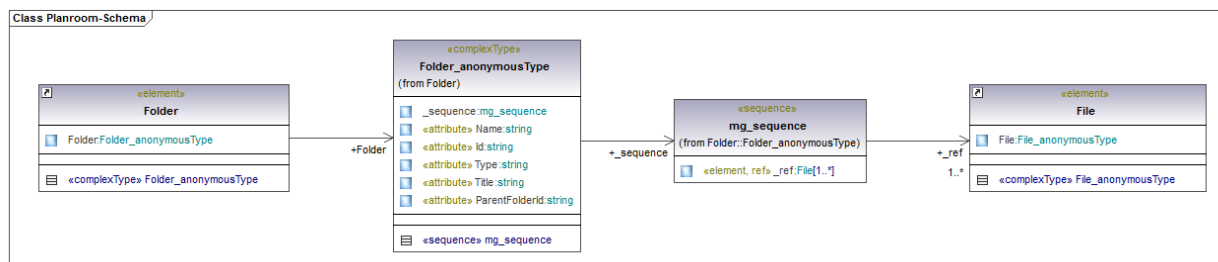
1.3.8 Documents

The Documents element include document information for the Planroom Project. The Documents includes Folder, File, Version, and Page. Documents derives from DocumentInformation in “agcXML Common Definitions”.



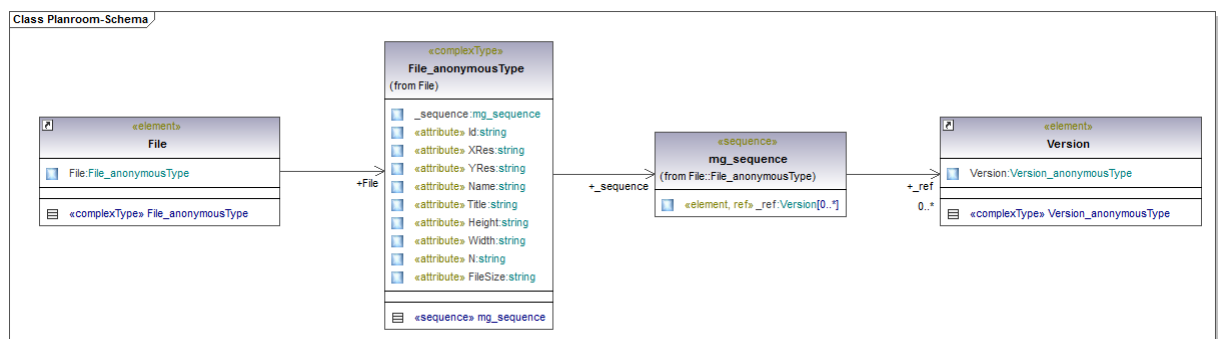
1.3.8.1 Folder

The Folder element contains folder information containing the Planroom Project Documents. There can be many folders. Folders can have a parent folder. Folder includes the element File.



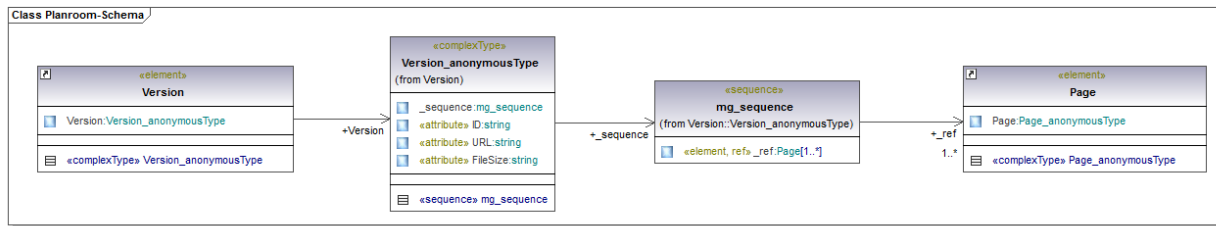
1.3.8.2 File

The File element contains information for the files within a folder. There can be many files within a folder. File includes the element Version.



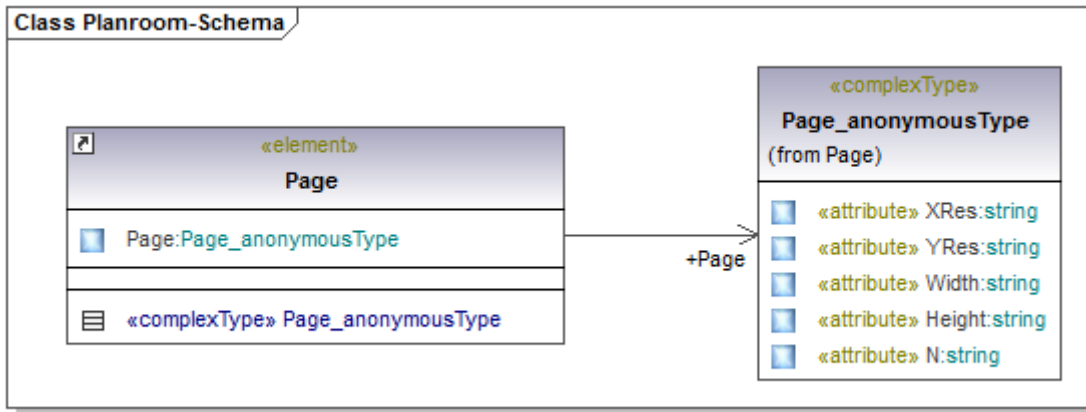
1.3.8.3 Version

The Version element contains information about the file version. A File can have multiple versions. Version includes the element Page.



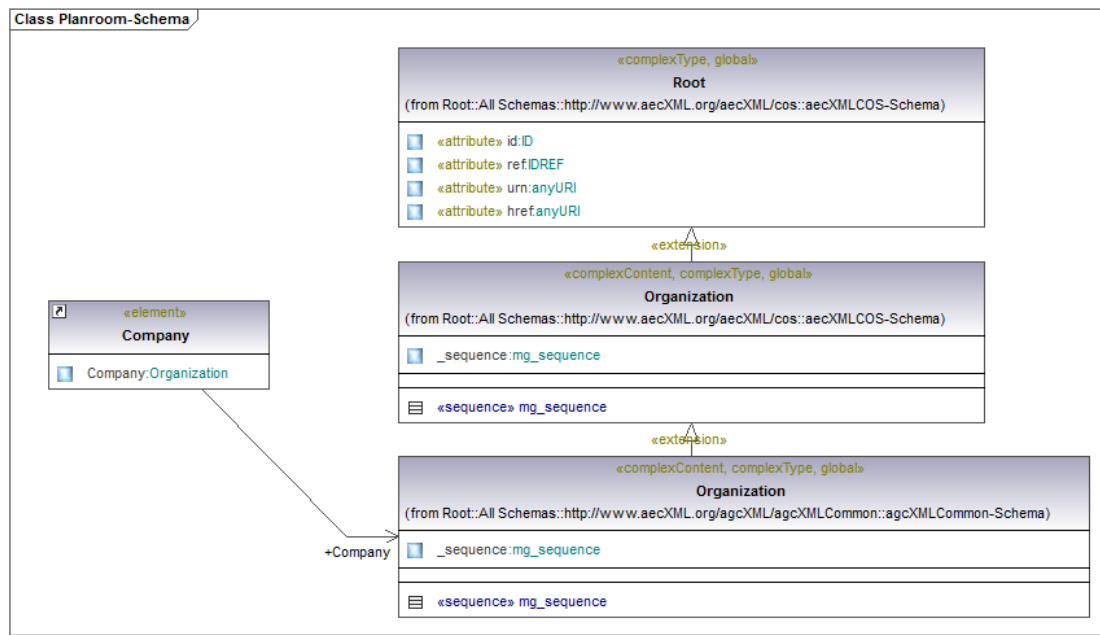
1.3.8.4 Page

The Page element contains information about pages within a version. A version can have multiple pages.



1.3.9 Company

The Company element contains information for the company a person is associated with. This is defined as the type Organization from “agcXML Common Definitions”.



1.3.10 Contact

The Contact element contains contact information for a person. This is defined as the type Person from “agcXML Common Definitions”.

