

SIF NZ DATA MODEL – STUDENT WELLBEING OVERVIEW – v1.1

The student wellbeing data objects in the SIF NZ Data Model have been designed to be as flexible as possible to allow for the myriad of different ways this data is captured within the New Zealand Education System.

1 Student Wellbeing Background

The student wellbeing data objects are grouped into the following three areas:

1. Student Health and Wellbeing
2. Student Learning Support
3. Student Voice and Activity Participation

1.1 Student Health and Wellbeing

1.1.1 Student Health and Characteristics

Information about a student's health, e.g. Allergies, Psychological or Physical Conditions, Medicine Consent are held in the WellbeingCharacteristic data object. Any health concerns considered of great import can be raised as an alert using the WellbeingAlert data object.

Other characteristics of a student may also be stored in WellbeingCharacteristic that do not pertain to health such as their dietary preferences, or any other characteristics about a student that is deemed relevant to record.

1.1.2 Wellbeing Events

Events, that impact on a school's duty of care to its students is held in the WellbeingEvent data object. An event record can be for both 'positive' and 'negative' behaviours, and is not just the recording of a discipline incident or an accident.

Where an event involves more than one student, a separate WellbeingEvent record is made for each involved Student, with all other involved students being recorded as InvolvedPersons in each-other's WellbeingEvent, e.g. where the event is that a student punched another student, two WellbeingEvents will be recorded, one for each student, with the other recorded as a related person.

However, if a student is reporting that another student fell off his bike, then the reporting student is listed as a person involved, in the single WellbeingEvent record made against the student who fell off his bike.

1.1.3 Wellbeing Event Response

A record of the outcome and follow ups required in response to an event are held in WellbeingResponse, e.g. for a positive event the student may receive an award, for a negative event the student may be suspended, or a learning support need is identified.

1.1.4 Wellbeing Event Response Appeal

For a negative/punitive Wellbeing Response made as a result of a student's involvement in an Event, an "appeal" or a "request" may be made by involved parties to have it overturned or to request an alternative response. This information is held in WellbeingAppeal.

1.1.5 Wellbeing Alerts

The purpose of the WellbeingAlert data object is to draw attention to Wellbeing Characteristics and Events that are deemed very important to the welfare of the student under the 'duty of care' obligations of the education providers.

1.2 Student Learning Support

Education Providers identify and provide support for their student's learning support needs and record them in a centralised Community Learning Support Register to help schools and collective school groups to understand and respond to the learning support needs of children and young people.

1.2.1 Learning Support Needs

Students may be identified as having a Learning Support Need(s), e.g. Academic, Vision, Dyslexia, Behavioural. These Needs need can be identified in a myriad of ways, e.g. parents/caregivers notify the school, teacher's identification through observation, wellbeing events, or assessment results, etc.

Needs are associated to one or more of the Areas of Need below:

Description	Te Reo
Wellbeing (Managing Self)	Mana atua
Belonging (Participation and Contributing)	Manu whenua
Contribution (Relating to Others)	Mana tangata
Communication (Using Language and Text)	Mana Reo
Exploration (Thinking)	Mana aotūroa

Figure 1: Area of Need

The Student's Learning Support Needs are reflected in the data object WellbeingCharacteristic. The needs are stored as enumerations as follows:

- Area of Need – NZCodeSetsWellbeingCharacteristicCategory
- Need – NZCodeSetsWellbeingCharacteristicSubCategory

All the codes for Area of Need and Need are prefixed with 'LSN'.

Information for the Need is also held in the WellbeingCharacteristic data object, for example, start/end dates, status, severity, priority, Te Whāriki Domain (Early Childhood Education only), Learning Support Outcome (Compulsory Schooling only) etc.

1.2.2 Learning Support Participation

Once a need has been identified for a student, an appropriate response is determined. In many cases that response is for the student to Participate in a Learning Support Intervention to help them resolve, or overcome their learning support need.

The details about a student's Learning Support Participation and the outcome of that participation are held in the StudentLearningSupportParticipation data object.

1.2.3 Learning Support Register Directory

A central directory of all the learning support needs and the interventions that may be used to help resolve or improve them is maintained to support the Learning Support Registry. The Learning Support Needs are grouped by similarity into Areas of Need.

The Learning Support Register Directory maps the Area of Need to Learning Support Interventions so when a Learning Support Need is identified for the Student only applicable Interventions for the Area of Need it belongs to are presented to the user.

It also holds additional information about the Learning Support Interventions, e.g. Description, Funded By, Provided by.

The Learning Support Register Directory data is held in the LearningSupportRegisterDirectory data object.

1.2.4 Learning Support Needs and Participation Attachments and Notes

As part of the process of identify a student's need, and organising and running their participation in a learning support intervention, many documents and notes are produced that need to be attached against the relevant need or participation record.

These documents and notes are held in the Document data object which enables a document or note to be linked back to the need or participation record it is relevant to.

The WellbeingCharacteristic and StudentLearningSupportParticipation data object also allow all documents relevant to them to be sent utilising the DocumentList complex type.

1.2.5 Learning Support Register Consent

There are two different types of consent required from their student or their parents/legal guardians:

- Community Register Consent – this provides consent for the student's need to be stored on the Community Learning Support Register but only visible to the school and providers that are supporting the student.
- Publish to register Consent – this provides consent for the student's need to be publish to the community for statistical and analysis purposes.

The students consent to be on the Learning Support Register and for Publication are held in the StudentConsent data object.

The WellbeingCharacteristic data object also allow all consent relevant to the need to be sent utilising the ConsentList complex type.

1.3 Student Voice and Activity Participation

1.3.1 Student Voice

The StudentVoice data object gathers information about a student's interests and career, social and academic goals.

1.3.2 Student Activity Participation

The StudentActivityParticipation data object provides information on a co-curricular or extra-curricular activity in which a student participates during a given school year, as well as any recognition they may have achieved from participating in that activity.

2 Conceptual Data Model

2.1 Student Health and Wellbeing

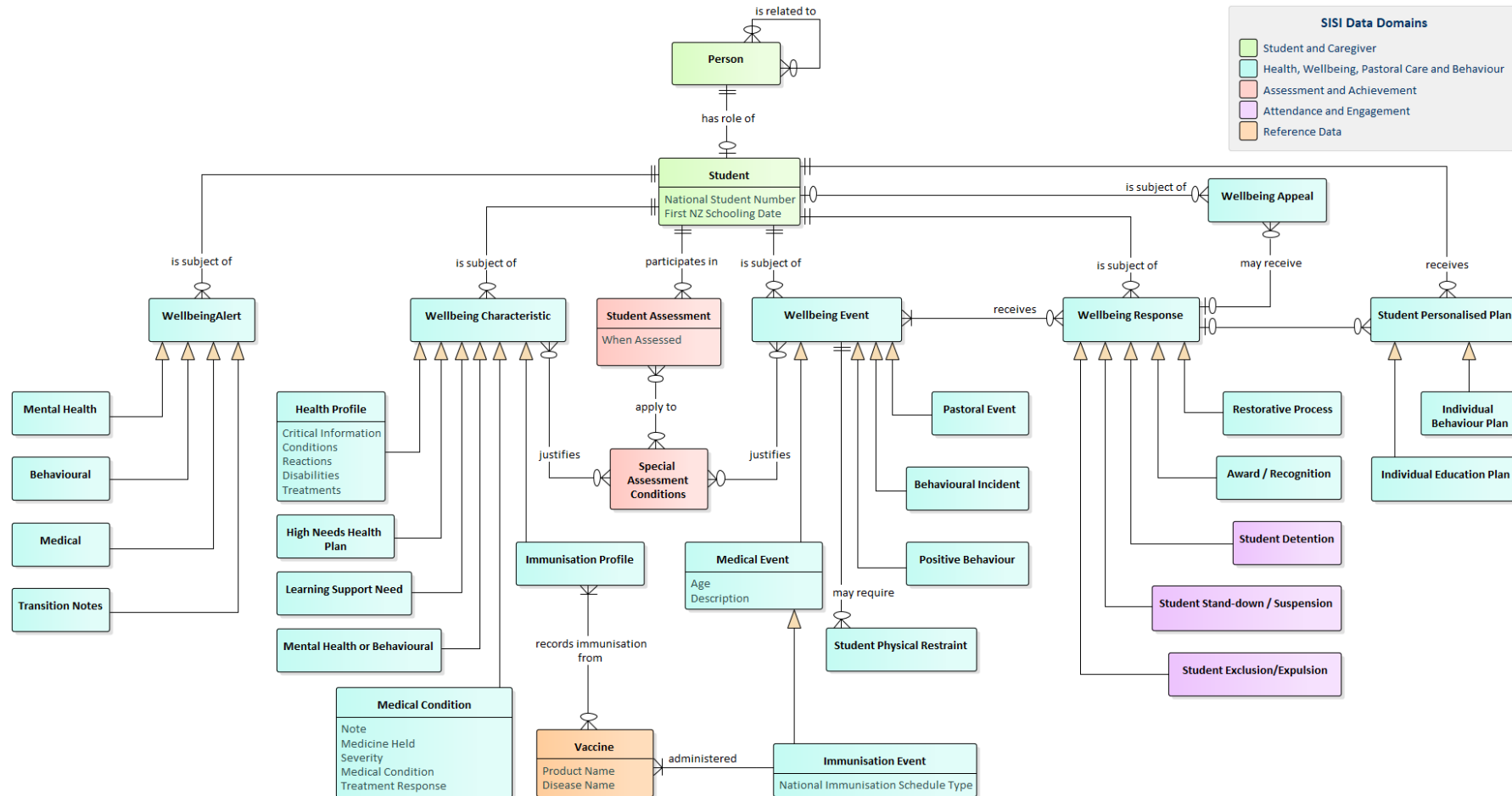


Figure 2: Student Health and Wellbeing - Conceptual Model

2.2 Student Learning Support

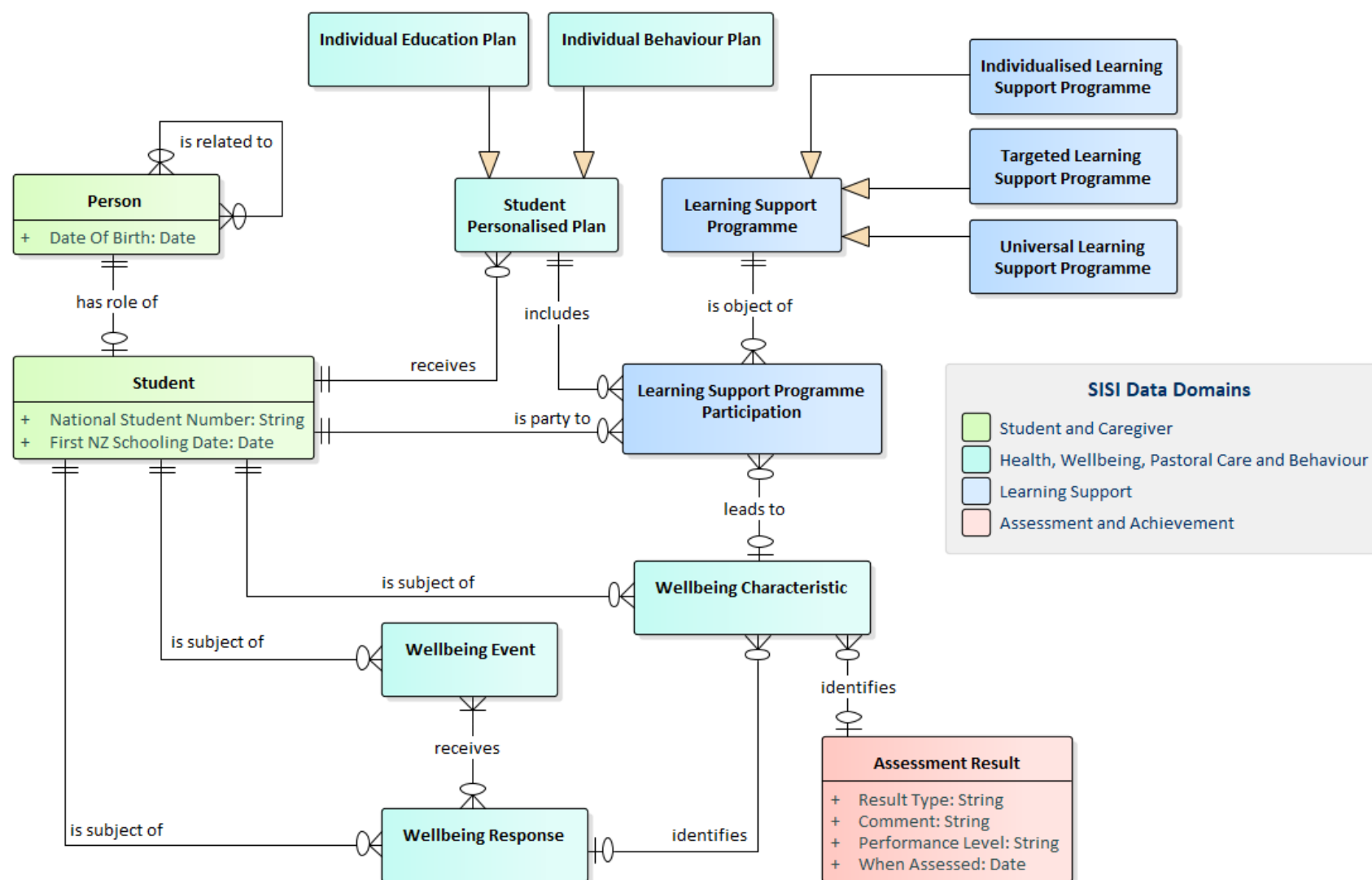


Figure 3: Student Learning Support Participation – Conceptual Model

2.3 Student Voice and Activity Participation

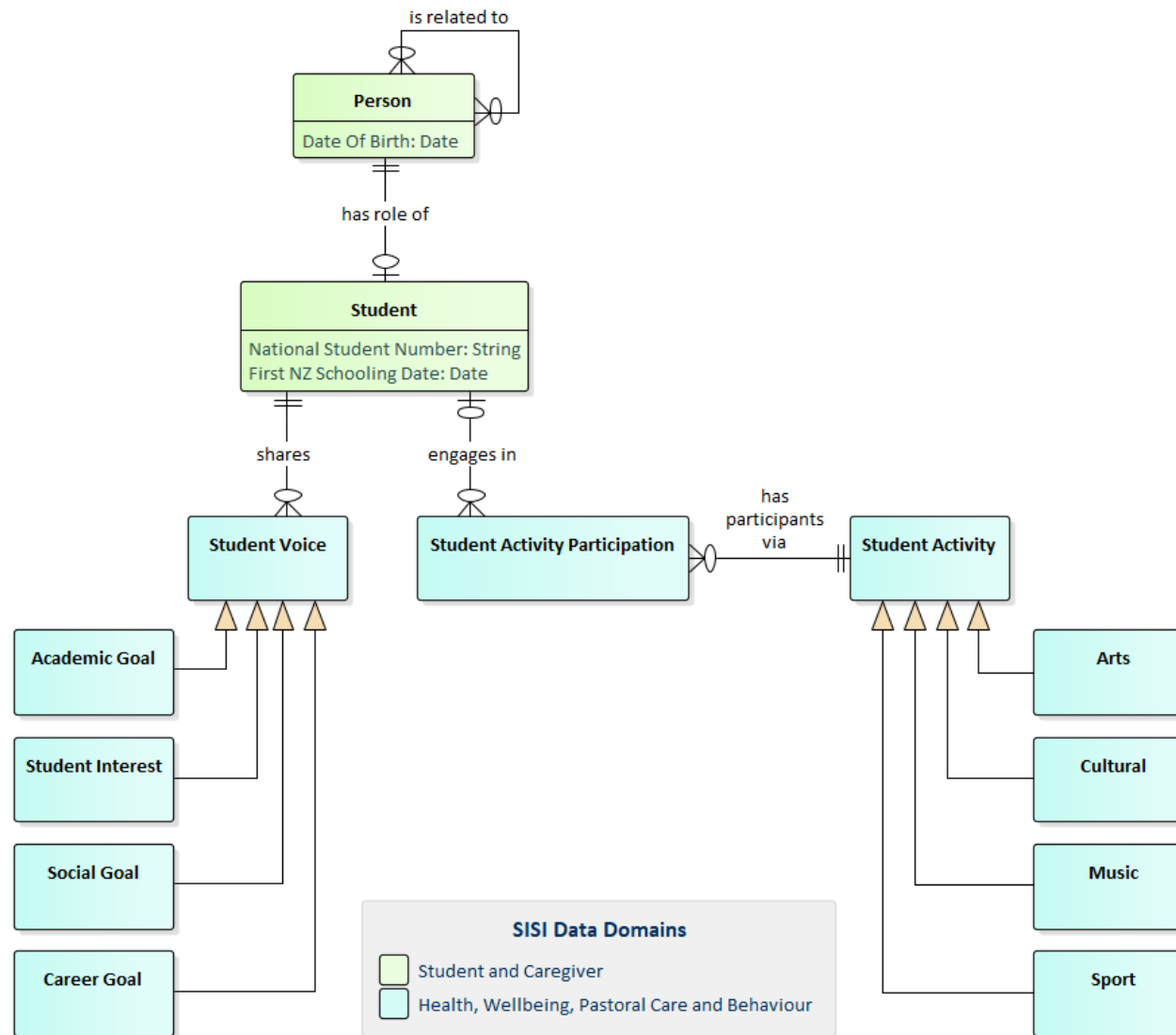


Figure 3: Student Voice and Activity Participation – Conceptual Model

3 Logical Data Model

The concepts introduced in the conceptual models above are realised in the following Wellbeing, Student Activity, Student Voice, Physical Restraint, and Learning Support data objects.

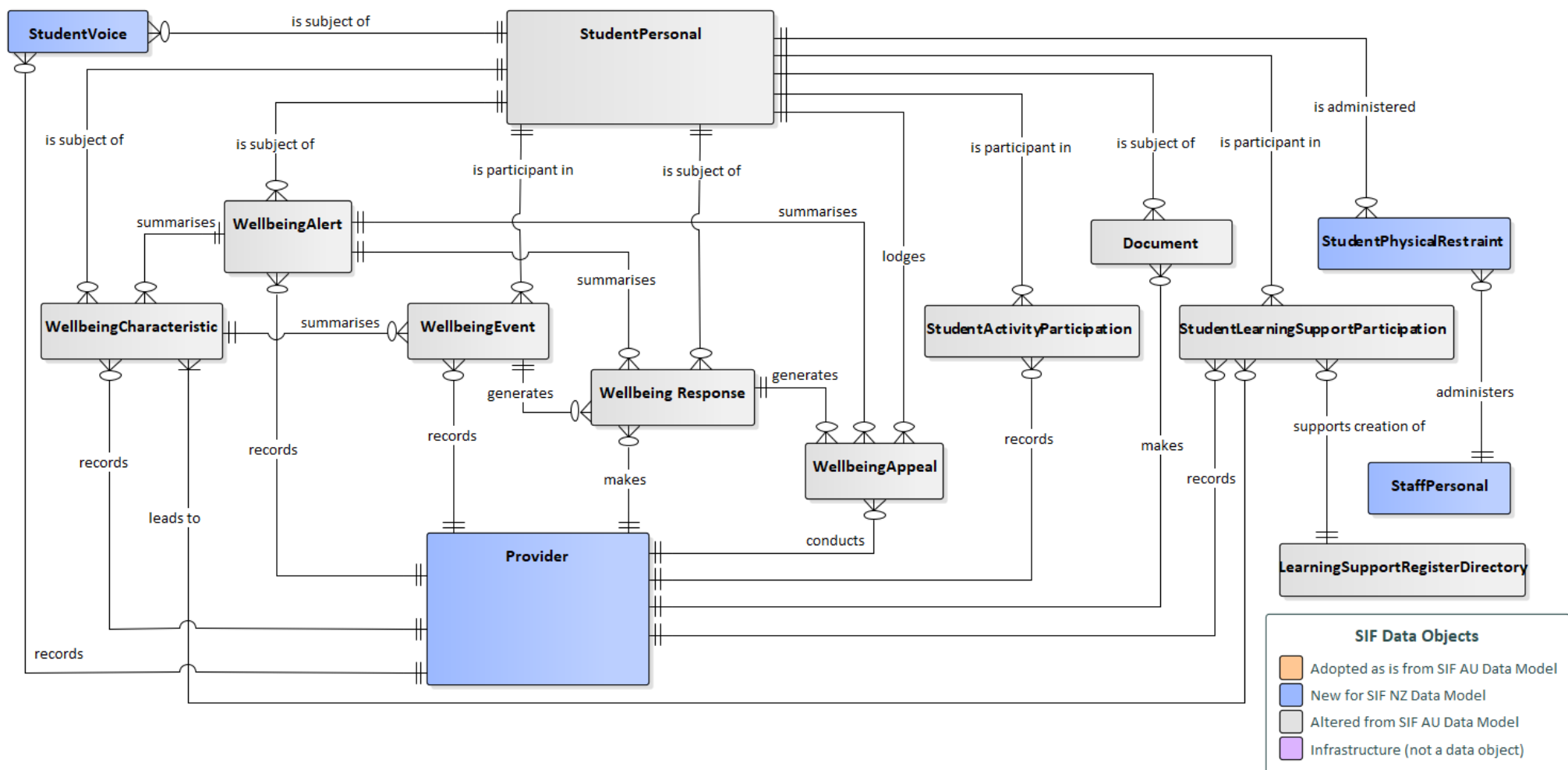


Figure 4: Student Wellbeing Relationships - Logical Model

4 Wellbeing Alert Data Object

Indicators highlighting further intervention or knowledge is required about a student, e.g. in regards to medical, behavioural, mental health, legal, are recorded in the WellbeingAlert data object (with matching API endpoints).

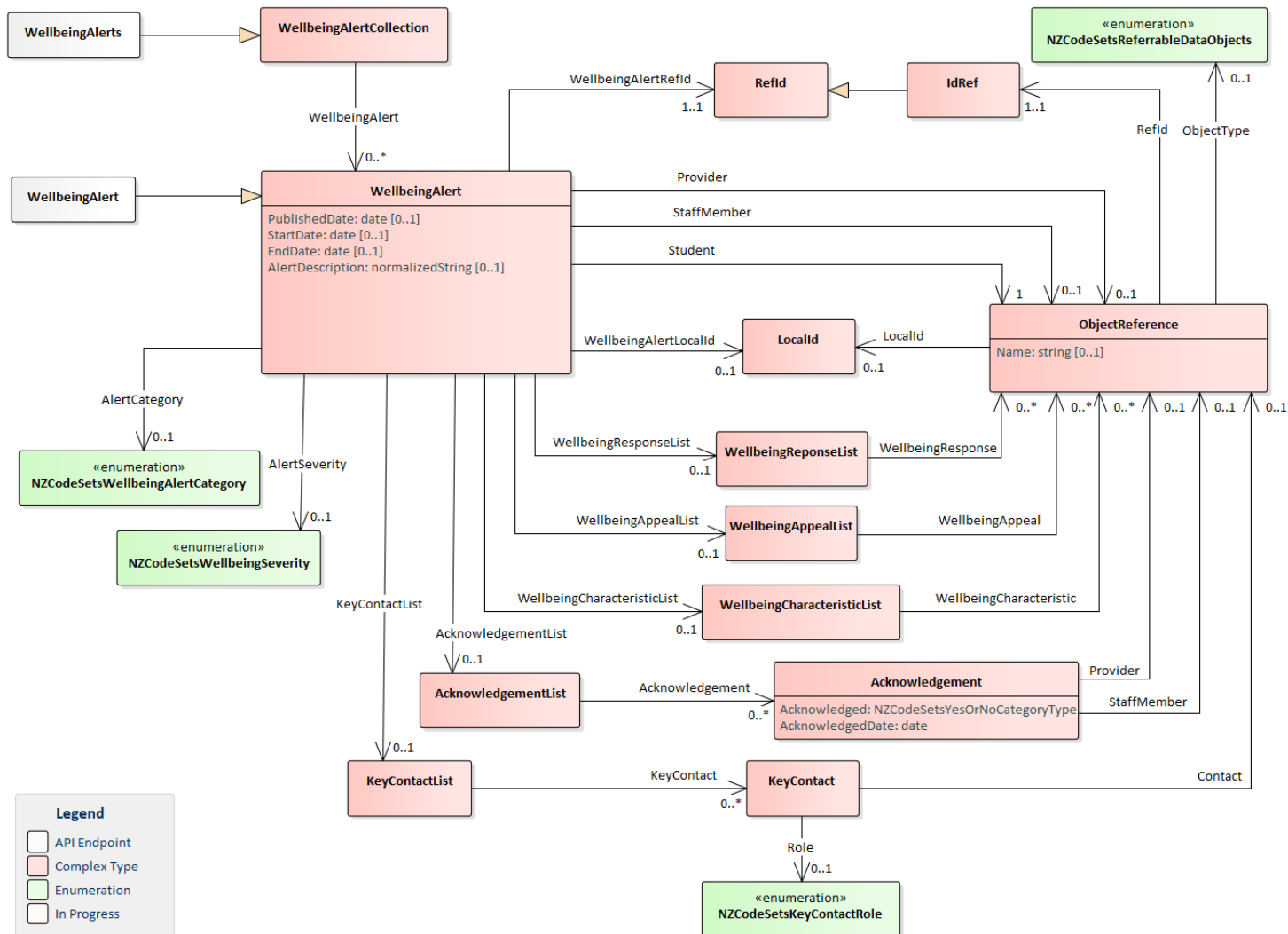


Figure 4: Wellbeing Alert Data Object

8 Wellbeing Appeal Data Object

The information about the outcome of an “appeal” or a “request” made in regard to a negative/punitive Wellbeing Response is recorded in the WellbeingAppeal data object (with matching API endpoints).

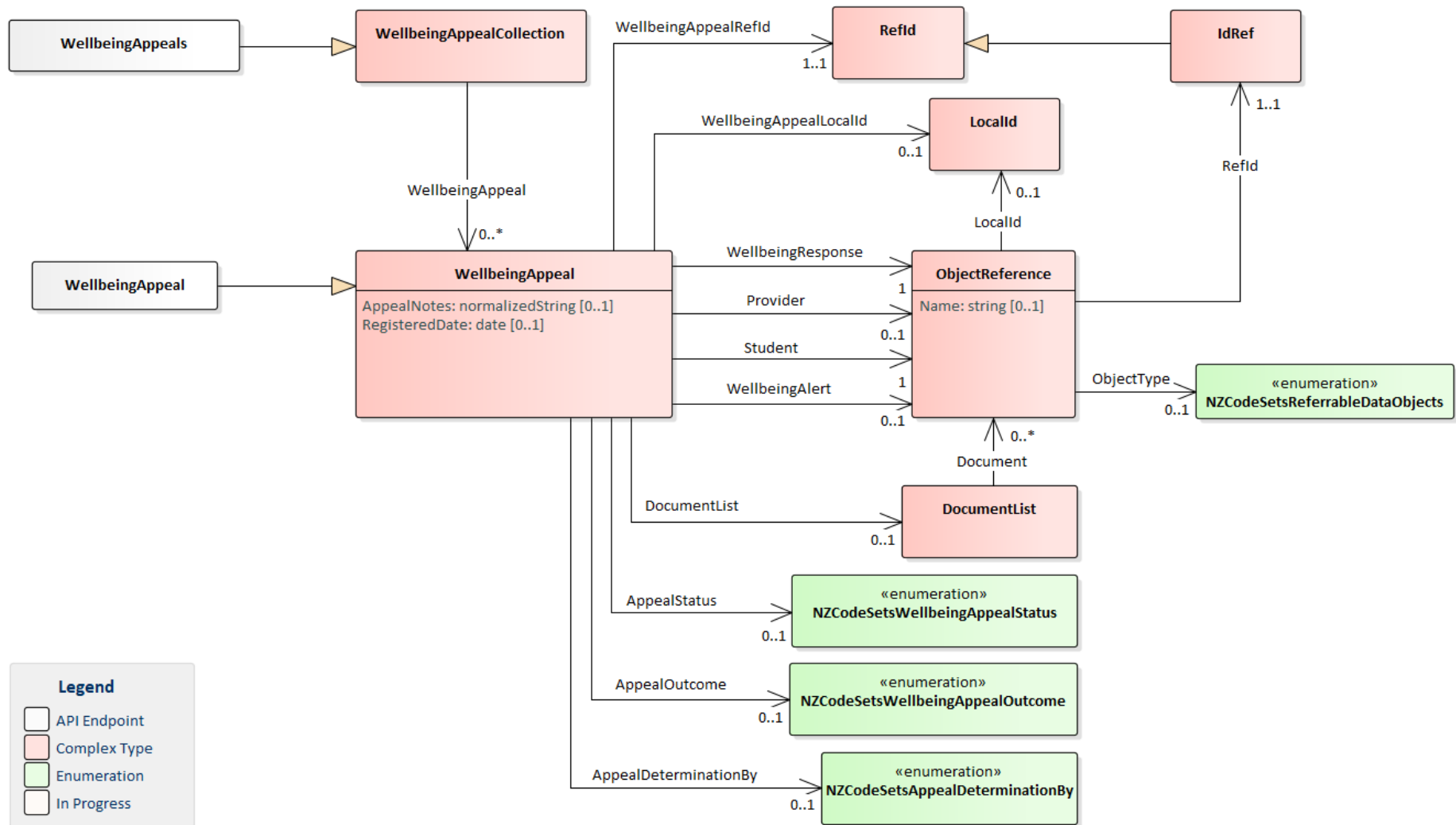


Figure 10: Wellbeing Appeal Data Object

9 Student Learning Support Participation Data Object

A student's participation in learning support programmes, where they are at risk of not achieving or are gifted learners, is recorded using the StudentLearningSupportParticipation data object (with matching API endpoints).

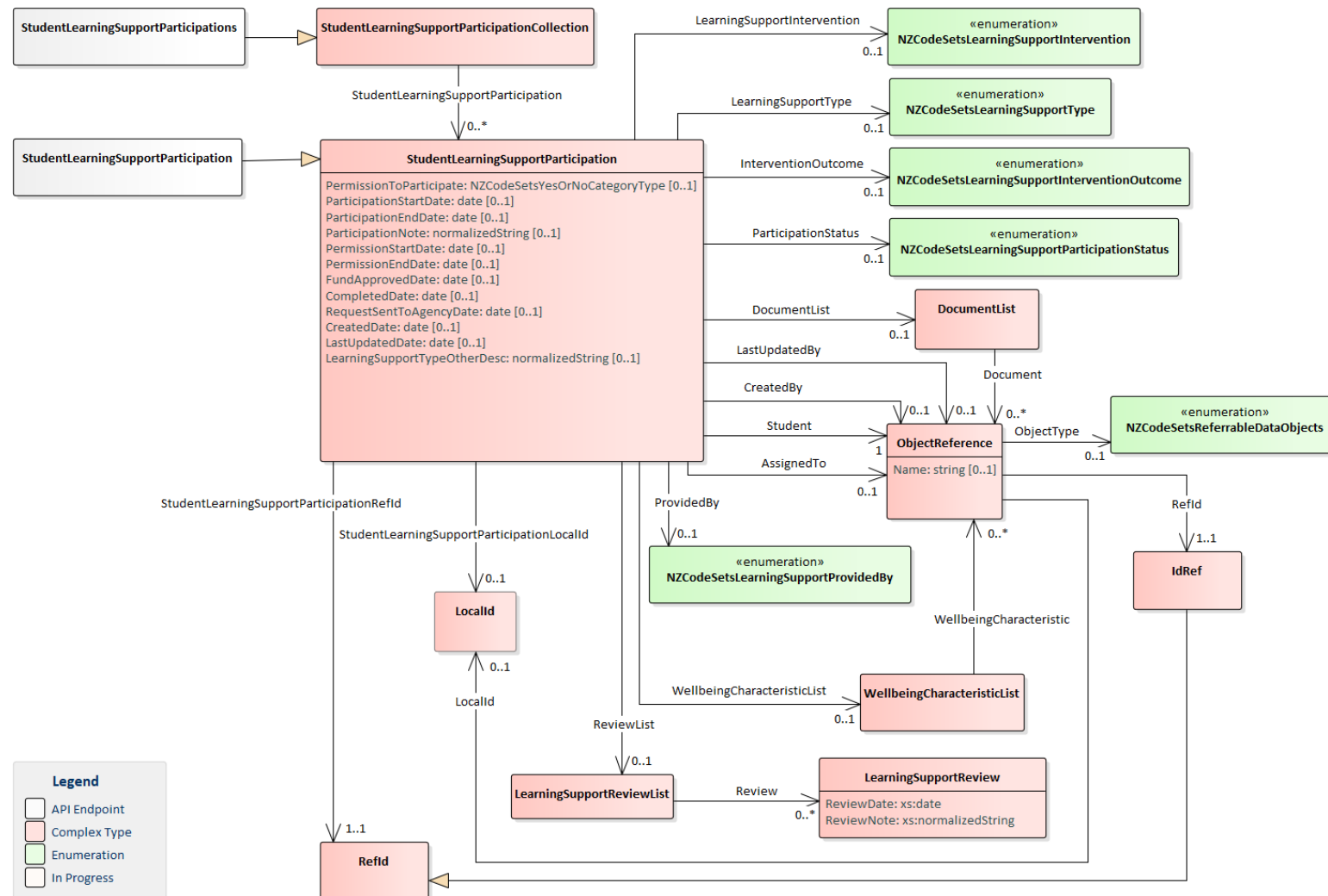


Figure 5: Student Learning Support Participation Data Object

10 Student Voice Data Object

Information about a student's interests and academic, career and social goals are recorded using the StudentVoice data object (with matching API endpoints).

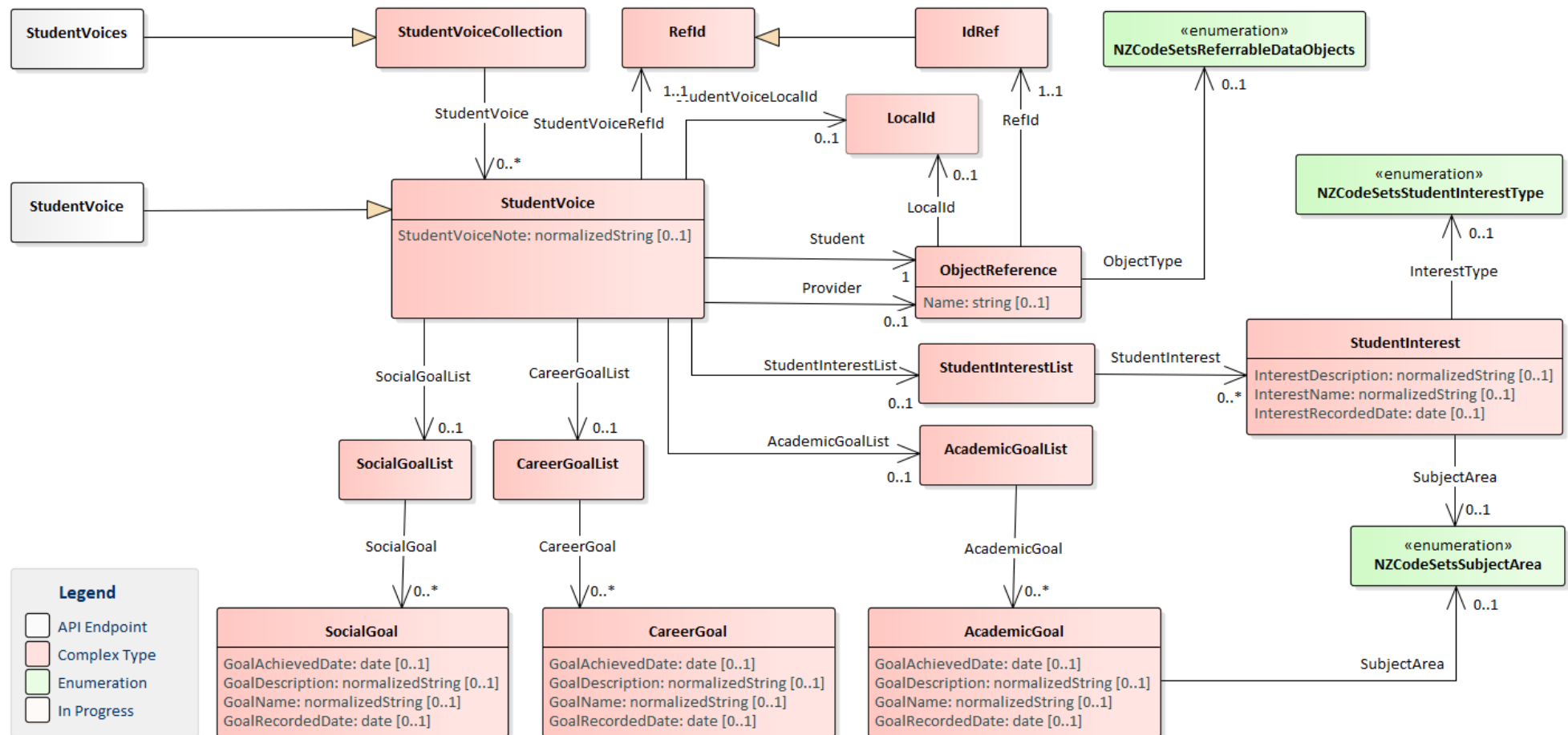


Figure 8: Student Voice Data Object

11 Student Activity Participation Data Object

Information on a co-curricular or extra-curricular activity in which a student participates during a given school year is recorded using the StudentActivityParticipation data object (with matching API endpoints).

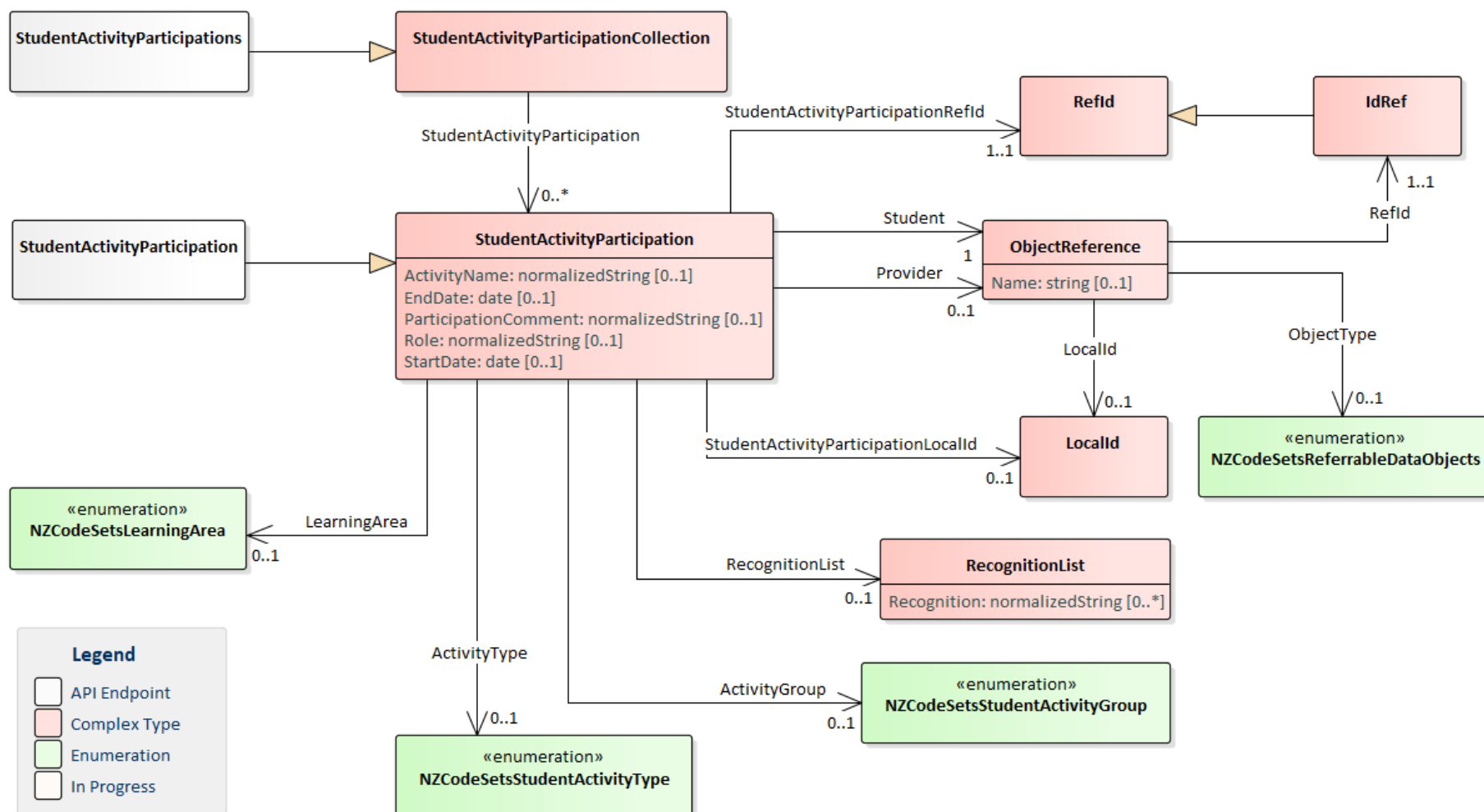


Figure 9: Student Activity Participation Data Object

13 Learning Support Register Directory Data Object

Learning Support Needs are grouped by similarity. The Learning Support Directory maps those groups to Learning Support Interventions so when a Learning Support Need is identified for the Student only applicable Interventions for the group it belongs to are presented to the user. It also holds additional information about the Learning Support Interventions, e.g. Description, Funded By, Provided by. The information is recorded using the LearningSupportRegisterDirectory data object (with matching API endpoints).

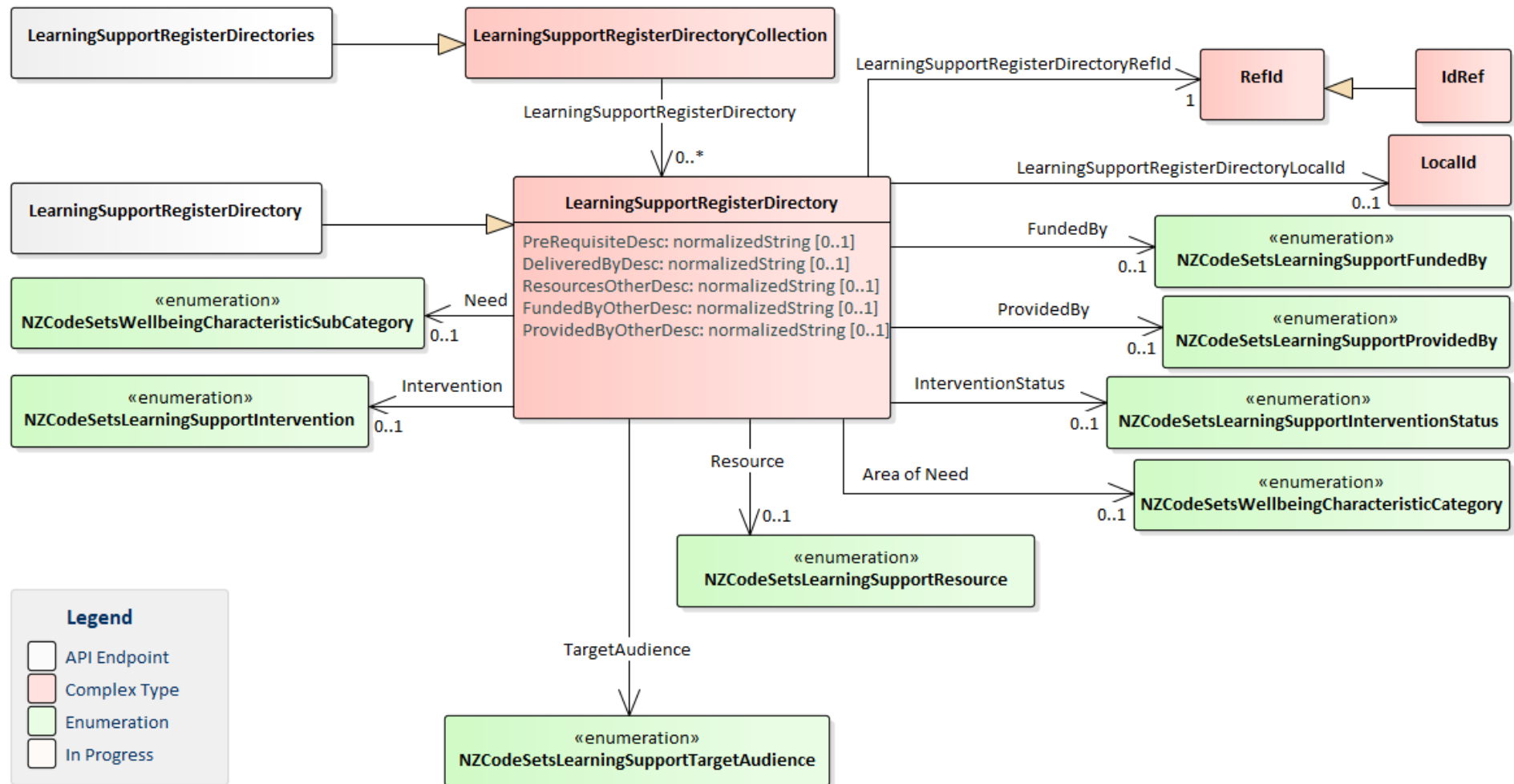


Figure 11: Learning Support Register Directory Data Object

14 Document Data Object

Location and meta-data of a document, including evidentiary documents, personalised plans, and action plans. The information is recorded using the Document data object (with matching API endpoints).

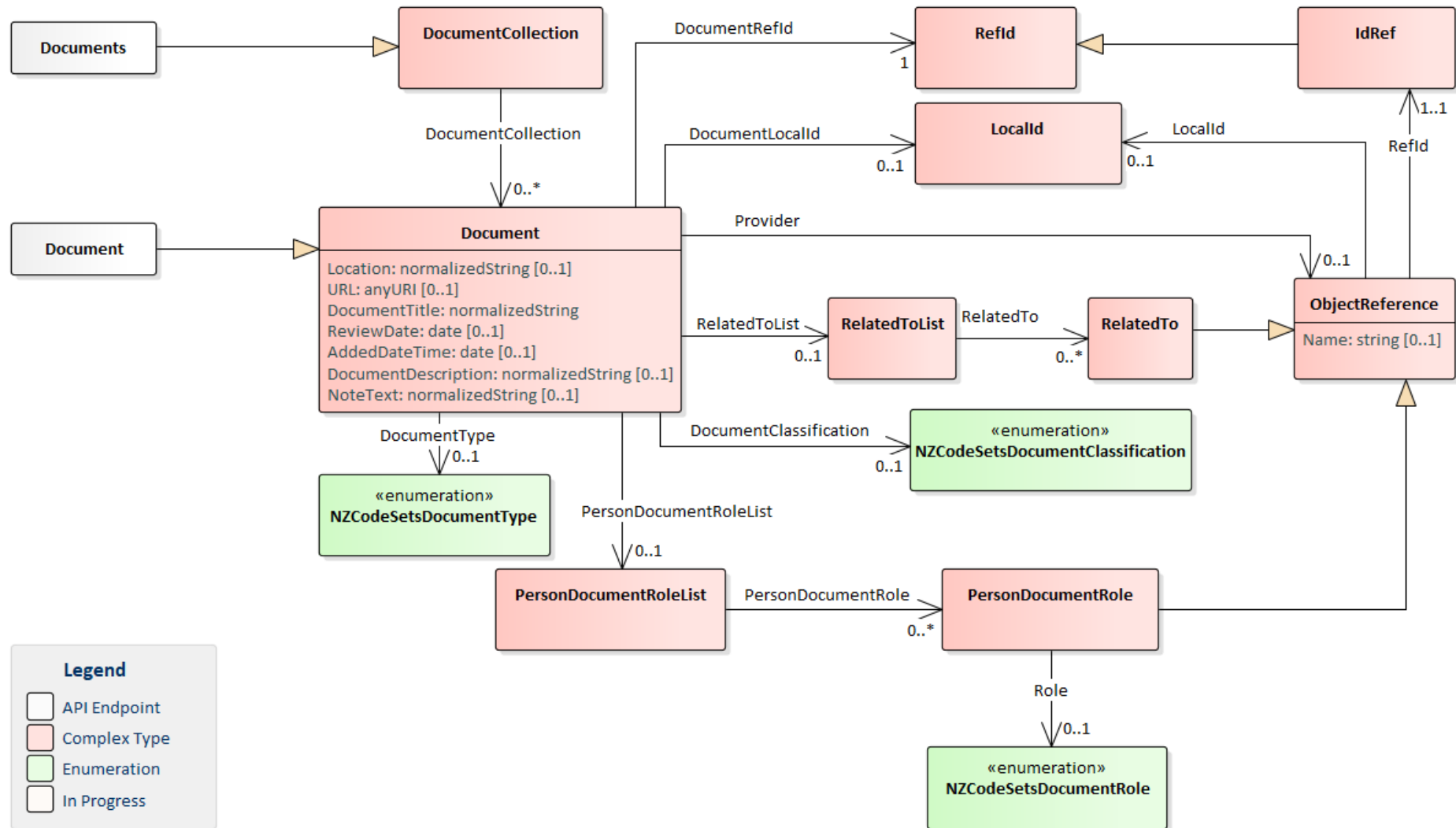


Figure 12: Document Data Object

15 Document Control

15.1 Amendment History

Version No	Description of Change	Changed By	Date
0.1	Document assembled from various working documents as part of SIF NZ Data Model v3.0.1 publication process.	Amy Orr	31 Oct 2018
1.0	Now using generic object references, updated to match SIF NZ v3 (rc1)	Stuart McGrigor	5 Jul 2019
1.1	Updated background section to contain more useful information about the student wellbeing data objects. Added the new learning support data objects. Updated diagrams to match SIF NZ v3 (rc2).	Amy Orr	12 Jul 2019