

This UML class diagram illustrates the data model for the NPQ (National Professional Qualification) system. The diagram is organized into several main sections, each representing a different functional area or data domain.

**Providers and Partners:**

- LeadProvider** (base class) has subclasses **CpdLeadProvider** and **NPQLeadProvider**. **NPQLeadProvider** has a **NPQContract** and an **NPQApplication**.
- DeliveryPartner** is associated with **LeadProvider** and **ProviderRelationship**.
- ProviderRelationship** is associated with **LeadProvider** and **LeadProviderCip**.
- CoreInductionProgramme** is associated with **LeadProvider** and **InductionProgramme**.
- Partnership** is associated with **LeadProvider** and **InductionProgramme**.
- InductionProgramme** is associated with **LeadProvider** and **InductionRecord**.

**Schools and Local Authorities:**

- School** is the central entity, associated with **LocalAuthority**, **SchoolLocalAuthority**, **SchoolLink**, **Network**, **PupilPremium**, **SchoolLocalAuthorityDistrict**, **LocalAuthorityDistrict**, **DistrictSparsity**, **ParticipantProfile**, **ParticipantProfileState**, **ProfileValidationDecision**, **ParticipantDeclaration**, **ParticipantDeclarationAttempt**, **DeclarationState**, **InductionCoordinatorProfile**, **InductionCoordinatorProfilesSchool**, **Finance::Schedule**, **Finance::Statement**, **Finance::Milestone**, **Finance::Schedule::ECF**, **Finance::Schedule::Mentor**, **Finance::Schedule::NPQLeadership**, **Finance::Schedule::NPQSpecialist**, **Finance::Schedule::NPQSupport**, **Finance::Statement::NPQ**, and **Finance::Statement::ECF**.
- LocalAuthority** is associated with **SchoolLocalAuthority**.
- SchoolLocalAuthority** is associated with **School**.
- SchoolLink** is associated with **School**.
- Network** is associated with **School**.
- PupilPremium** is associated with **School**.
- SchoolLocalAuthorityDistrict** is associated with **School**.
- LocalAuthorityDistrict** is associated with **School**.
- DistrictSparsity** is associated with **School**.

**Participants and Profiles:**

- ParticipantIdentity** is associated with **ParticipantProfile**.
- LeadProviderProfile** is associated with **ParticipantProfile**.
- SchoolCohort** is associated with **ParticipantProfile**.
- TeacherProfile** is associated with **ParticipantProfile**.
- FinanceProfile** is associated with **ParticipantProfile**.
- ParticipantProfile** has subclasses **ParticipantProfile::ECF**, **ParticipantProfile::NPQ**, **ParticipantProfile::Mentor**, **ParticipantProfile::ECT**, and **ParticipantProfile::ECF**.
- ParticipantProfileState** is associated with **ParticipantProfile**.
- ProfileValidationDecision** is associated with **ParticipantProfile**.
- ParticipantDeclaration** is associated with **ParticipantProfile**.
- ParticipantDeclarationAttempt** is associated with **ParticipantProfile**.
- DeclarationState** is associated with **ParticipantProfile**.
- InductionCoordinatorProfile** is associated with **ParticipantProfile**.
- InductionCoordinatorProfilesSchool** is associated with **ParticipantProfile**.

**Financials:**

- Finance::Schedule** is associated with **Finance::Statement** and **Finance::Milestone**.
- Finance::Statement** is associated with **Finance::Schedule** and **Finance::Milestone**.
- Finance::Milestone** is associated with **Finance::Schedule** and **Finance::Statement**.
- Finance::Schedule::ECF** is associated with **Finance::Schedule**.
- Finance::Schedule::Mentor** is associated with **Finance::Schedule**.
- Finance::Schedule::NPQLeadership** is associated with **Finance::Schedule**.
- Finance::Schedule::NPQSpecialist** is associated with **Finance::Schedule**.
- Finance::Schedule::NPQSupport** is associated with **Finance::Schedule**.
- Finance::Statement::NPQ** is associated with **Finance::Statement**.
- Finance::Statement::ECF** is associated with **Finance::Statement**.

**Analytics:**

- Analytics::ECFParticipant** is associated with **ParticipantProfile**.
- Analytics::ECFSchool** is associated with **School**.

The diagram uses various types of associations (solid, dashed, dotted) to represent different kinds of relationships between the classes. It also includes many subclasses and specialized attributes for each entity.