

This UML class diagram illustrates the data model for the NPQ (National Professional Qualification) system. The diagram is organized into several functional areas, each represented by a box containing a list of attributes and their types.

Providers and Partners:

- ECFIneligibleParticipant:** Attributes include `tm` (string) and `reason` (string).
- CpdLeadProvider:** Attribute is `name` (text).
- LeadProvider:** Attributes are `name` (string) and `vat_chargeable` (boolean).
- CallOffContract:** Attributes include `version` (string), `raw` (JSON), `uplift_target` (decimal), `uplift_amount` (decimal), `recruitment_target` (integer), `set_up_fee` (decimal), and `revised_target` (integer).
- ParticipantBand:** Attributes include `min` (integer), `max` (integer), `per_participant` (decimal), `output_payment_percentage` (integer), and `service_fee_percentage` (integer).
- ProviderRelationship:** Attribute is `discarded_at` (datetime).
- DeliveryPartner:** Attributes are `name` (string) and `discarded_at` (datetime).
- CoreInductionProgramme:** Attribute is `name` (string).
- Partnership:** Attributes include `challenged_at` (datetime), `challenge_reason` (string), `challenge_deadline` (datetime), `pending` (boolean), `report_id` (UUID), and `relationship` (boolean).
- Cohort:** Attribute is `start_year` (integer).
- LocalAuthority:** Attributes are `code` (string) and `name` (string).
- SchoolLocalAuthority:** Attributes are `start_year` (integer) and `end_year` (integer).
- NPQLeadProvider:** Attributes are `name` (text) and `vat_chargeable` (boolean).
- NPQContract:** Attributes include `raw` (JSON), `version` (string), `recruitment_target` (integer), `course_identifier` (string), `service_fee_percentage` (integer), `per_participant` (decimal), `number_of_payment_periods` (integer), and `output_payment_percentage` (integer).
- NPQApplication:** Attributes include `date_of_birth` (date), `teacher_reference_number` (text), `teacher_reference_number_verified` (boolean), `school_um` (text), `headteacher_status` (text), `active_alert` (boolean), `eligible_for_funding` (boolean), `funding_choice` (text), `nino` (text), `lead_provider_approval_status` (text), `works_in_school` (boolean), `employer_name` (string), and `employment_role` (string).

Induction and Training:

- InductionProgramme:** Attribute is `training_programme` (string).
- ParticipantIdentity:** Attributes are `email` (ciphertext), `external_identifier` (UUID), and `origin` (string).
- LeadProviderProfile:** Attribute is `discarded_at` (datetime).
- SchoolCohort:** Attributes include `induction_programme_choice` (string), `estimated_teacher_count` (integer), `estimated_mentor_count` (integer), and `opt_out_of_updates` (boolean).
- ParticipantProfile:** Attributes include `school_id` (UUID), `core_induction_programme_id` (UUID), `cohort_id` (UUID), `mentor_profile_id` (UUID), `sparsity uplift` (boolean), `pupil_premium uplift` (boolean), `status` (text), `npq_course_id` (UUID), `school_um` (text), `school_ukpm` (text), `request_for_details_sent_at` (datetime), `training_status` (string), `profile_duplication` (string), `start_term` (string), and `notes` (string).
- ParticipantProfileState:** Attributes are `state` (text) and `reason` (text).
- ProfileValidationDecision:** Attributes are `validation_step` (string), `approved` (boolean), and `note` (text).
- InductionRecord:** Attributes are `status` (string), `start_date` (datetime), `end_date` (datetime), and `training_status` (string).
- ParticipantProfile::ECF:** A specialization of `ParticipantProfile`.
- ParticipantProfile::NPQ:** A specialization of `ParticipantProfile`.
- ParticipantProfile::Mentor:** A specialization of `ParticipantProfile`.
- ECFParticipantValidationData:** Attributes include `full_name` (string), `date_of_birth` (date), `tm` (string), `nino` (string), and `api_failure` (boolean).
- ECFParticipantEligibility:** Attributes include `qts` (boolean), `active_flags` (boolean), `previous_participation` (boolean), `previous_induction` (boolean), `manually_validated` (boolean), `status` (string), `reason` (string), `different_tm` (boolean), `no_induction` (boolean), and `exempt_from_induction` (boolean).
- ParticipantDeclaration:** Attributes include `declaration_type` (string), `declaration_date` (datetime), `course_identifier` (string), `evidence_held` (string), `voided_at` (datetime), and `state` (string).
- ParticipantDeclaration::NPQ:** A specialization of `ParticipantDeclaration`.
- ParticipantDeclaration::ECF:** A specialization of `ParticipantDeclaration`.
- DeclarationState:** Attributes are `state` (string) and `state_reason` (string).
- ParticipantDeclarationAttempt:** Attributes are `declaration_type` (string), `declaration_date` (datetime), `course_identifier` (string), and `evidence_held` (string).

Schools and Local Authorities:

- School:** Attributes include `name` (string), `school_type_code` (integer), `address_line1` (string), `address_line2` (string), `address_line3` (string), `postcode` (string), `domains` (string), `school_type_name` (string), `ukpm` (string), `school_phase_type` (integer), `school_phase_name` (string), `school_website` (string), `school_status_code` (integer), `school_status_name` (string), `secondary_contact_email` (string), `primary_contact_email` (string), `administrative_district_code` (string), `administrative_district_name` (string), `slug` (string), and `section_41_approved` (boolean).
- SchoolLink:** Attributes are `link_um` (string), `link_type` (string), and `link_reason` (string).
- Network:** Attributes are `name` (string), `group_type` (string), `group_type_code` (string), `group_id` (string), `group_uid` (string), and `secondary_contact_email` (string).
- PupilPremium:** Attributes are `start_year` (integer), `total_pupils` (integer), and `eligible_pupils` (integer).
- SchoolLocalAuthorityDistrict:** Attributes are `start_year` (integer) and `end_year` (integer).
- LocalAuthorityDistrict:** Attributes are `code` (string) and `name` (string).
- DistrictSparsity:** Attributes are `start_year` (integer) and `end_year` (integer).

Finance:

- Finance::Schedule:** Attributes are `name` (text), `schedule_identifier` (string), and `identifier_alias` (text).
- Finance::Milestone:** Attributes are `name` (text), `milestone_date` (date), `payment_date` (date), `start_date` (date), and `declaration_type` (string).
- Finance::Statement:** Attributes are `name` (text), `deadline_date` (date), `payment_date` (date), and `original_value` (decimal).
- Finance::Schedule::ECF:** A specialization of `Finance::Schedule`.
- Finance::Schedule::Mentor:** A specialization of `Finance::Schedule`.
- Finance::Schedule::NPQLeadership:** A specialization of `Finance::Schedule`.
- Finance::Schedule::NPQSpecialist:** A specialization of `Finance::Schedule`.
- Finance::Schedule::NPQSupport:** A specialization of `Finance::Schedule`.
- Finance::Statement::NPQ:** A specialization of `Finance::Statement`.
- Finance::Statement::ECF:** A specialization of `Finance::Statement`.

Other Entities:

- User:** Attributes include `full_name` (string), `email` (ciphertext), `login_token` (string), `login_token_valid_until` (datetime), `remember_created_at` (datetime), `last_sign_in_at` (datetime), `current_sign_in_at` (datetime), `last_sign_in_ip` (inet), `sign_in_count` (integer), and `discarded_at` (datetime).
- TeacherProfile:** Attribute is `tm` (string).
- FinanceProfile:** An empty class.
- InductionCoordinatorProfile:** Attributes are `discarded_at` (datetime) and `reminder_email_sent_at` (datetime).
- InductionCoordinatorProfilesSchool:** An empty class.

The diagram uses various types of relationships to connect these entities, including associations, generalizations, and specializations.