

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 large box containing related classes and their attributes.

Providers and Partners:

- LeadProvider**: The central entity, with attributes `name` (string*) and `vat_chargeable` (boolean). It is associated with **NPQLeadProvider** (which has `name` and `vat_chargeable`) and **NPQApplication** (which has `date_of_birth`, `teacher_reference_number`, `course_identifier`, `school_ukpm`, `headteacher_status`, `active_alert`, `eligible_for_funding`, `funding_choice`, `nino`, `lead_provider_approval_status`, `school_ukpm`, `works_in_school`, `employer_name`, and `employment_role`).
- CallOffContract**: Attributes include `version` (string*), `raw` (jsonb), `uplift_target` (decimal), `uplift_amount` (decimal), `recruitment_target` (integer), `set_up_fee` (decimal), and `revised_target` (integer). It is associated with **ParticipantBand** (which has `min` and `max` integers, `per_participant` (decimal), `output_payment_percentage` (integer), and `service_fee_percentage` (integer)).
- ProviderRelationship**: Attributes include `discarded_at` (datetime).
- DeliveryPartner**: Attributes include `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*), and `report_id` (uuid).
- InductionProgramme**: Attribute is `training_programme` (string*).
- Cohort**: Attribute is `start_year` (integer (2)*).
- LocalAuthority**: Attributes include `code` (string) and `name` (string).
- SchoolLocalAuthority**: Attributes include `start_year` (integer (2)*) and `end_year` (integer (2)).

Participants and Profiles:

- ParticipantIdentity**: Attributes include `email` (ciphertext*) and `external_identifier` (uuid*). It is associated with **LeadProviderProfile** (which has `discarded_at` (datetime)).
- 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_ukpm` (text), `request_for_details_sent_at` (datetime), `training_status` (string*), `profile_duplication` (string*), `notes` (string), and `start_term` (string*). It is associated with **ParticipantProfileState** (which has `state` (text) and `reason` (text)), **ProfileValidationDecision** (which has `validation_step` (string*), `approved` (boolean), and `note` (text*)), **ParticipantProfile::ECF**, **ParticipantProfile::NPQ**, **ParticipantProfile::Mentor**, **ParticipantProfile::ECT**, **ECFParticipantValidationData** (which has `full_name` (string), `date_of_birth` (date), `tm` (string), `nino` (string), and `api_failure` (boolean)), **ECFParticipantEligibility** (which has `qts` (boolean), `active_flags` (boolean), `previous_participation` (boolean), `previous_induction` (boolean), `manually_validated` (boolean), `status` (string*), `reason` (string*), and `different_tm` (boolean)), **ParticipantDeclaration** (which has `declaration_type` (string*), `declaration_date` (datetime*), `course_identifier` (string*), `evidence_held` (string), `voided_at` (datetime), and `state` (string*)), **ParticipantDeclarationAttempt** (which has `declaration_type` (string), `declaration_date` (datetime), `course_identifier` (string), and `evidence_held` (string)), and **ParticipantDeclarationSchedule**.
- LeadProviderProfile**: Attribute is `discarded_at` (datetime).
- SchoolCohort**: Attributes include `induction_programme_choice` (string*), `estimated_teacher_count` (integer), and `estimated_mentor_count` (integer).
- TeacherProfile**: Attribute is `tm` (string).
- FinanceProfile**: Attribute is `discarded_at` (datetime).

Schools and Networks:

- 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_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*). It is associated with **SchoolLink** (which has `link_ukpm` (string*), `link_type` (string*), and `link_reason` (string*)), **Network** (which has `name` (string*), `group_type` (string), `group_id` (string), `group_id_string` (string), and `secondary_contact_email` (string)), **PupilPremium** (which has `start_year` (integer (2)*), `total_pupils` (integer*), and `eligible_pupils` (integer*)), **SchoolLocalAuthorityDistrict** (which has `start_year` (integer (2)*) and `end_year` (integer (2))), **LocalAuthorityDistrict** (which has `code` (string) and `name` (string)), and **DistrictSparsity** (which has `start_year` (integer (2)*) and `end_year` (integer (2))).
- SchoolLink**: Attributes include `link_ukpm` (string*), `link_type` (string*), and `link_reason` (string*).
- Network**: Attributes include `name` (string*), `group_type` (string), `group_id` (string), `group_id_string` (string), and `secondary_contact_email` (string).
- PupilPremium**: Attributes include `start_year` (integer (2)*), `total_pupils` (integer*), and `eligible_pupils` (integer*).
- SchoolLocalAuthorityDistrict**: Attributes include `start_year` (integer (2)*) and `end_year` (integer (2)).
- LocalAuthorityDistrict**: Attributes include `code` (string) and `name` (string).
- DistrictSparsity**: Attributes include `start_year` (integer (2)*) and `end_year` (integer (2)).

Finance and Induction:

- Finance**: A container for financial records, including **Finance::Schedule** (which has `name` (text*), `schedule_identifier` (string*), and `identifier_alias` (text)), **Finance::Statement** (which has `name` (text*), `deadline_date` (date), `payment_date` (date), and `original_value` (decimal)), and **Finance::Milestone** (which has `name` (text*), `milestone_date` (date), `payment_date` (date*), `start_date` (date), and `declaration_type` (string)).
- InductionCoordinatorProfile**: Attributes include `discarded_at` (datetime) and `reminder_email_sent_at` (datetime). It is associated with **InductionCoordinatorProfilesSchool**.
- InductionCoordinatorProfilesSchool**: Attribute is `discarded_at` (datetime).

Analytics:

- Analytics::ECFParticipant**: Attributes include `user_id` (string), `user_created_at` (datetime), `real_time_attempts` (integer), `real_time_success` (boolean), `validation_submitted_at` (datetime), `tm_verified` (boolean), `school_ukpm` (string), `school_name` (string), `establishment_phase_name` (string), `participant_type` (string), `participant_profile_id` (string), `cohort` (string), `mentor_id` (string), `nino` (string), `entered` (boolean), `manually_validated` (boolean), `eligible_for_funding` (boolean), `active` (boolean), `training_status` (string), `sparsity` (boolean), `pupil_premium` (boolean), `schedule_identifier` (string), and `external_id` (string).
- Analytics::ECFSchool**: Attributes include `name` (string), `um` (string), `nomination_email_opened_at` (datetime), `induction_tutor_nominated` (boolean), `tutor_nominated_time` (datetime), `induction_tutor_signed_in` (boolean), `induction_programme_choice` (string), `in_partnership` (boolean), `partnership_time` (datetime), `partnership_challenge_reason` (string), `partnership_challenge_time` (string), `lead_provider` (string), `delivery_partner` (string), `chosen_cip` (string), `school_type_name` (string), `school_phase_type` (integer), `school_status_code` (integer), `school_status_name` (string), `postcode` (string), `administrative_district_code` (string), `administrative_district_name` (string), `active_participants` (boolean), `pupil_premium` (boolean), and `sparsity` (boolean).