

METHODOLOGY DOCUMENTATION

Project Status Standardization

Normalizing registry-specific project statuses into a single AlliedOffsets taxonomy

DATE September 2026	TYPE Python	PREPARED BY AlliedOffsets Product Team
-------------------------------	-----------------------	--

Overview

Every carbon credit registry describes the lifecycle stage of a project using its own terminology — for example a project might be labelled 'Registered', 'Listed', 'Withdrawn', or 'Active' depending on the source registry. To allow clients to compare and filter projects consistently across all registries, AlliedOffsets maintains a single standardized status taxonomy and a mapping layer that translates every raw registry status into one of these standardized values as data is ingested.

Data Inputs

Field / Parameter	Description	Source / Notes
Raw project status	The status value as published directly by the originating registry (e.g. VCS, Gold Standard, ACR, CAR) for a given project.	Registry data feeds, captured during data extraction for each registry.
Registry	The name of the originating registry, recorded alongside the raw status so that unmapped statuses can be reviewed in context.	Internal registry identifier associated with each data source.
Status mapping table	The internal reference table holding every raw status value encountered so far, alongside its corresponding standardized status.	AlliedOffsets internal database.

Logical Flow

- Load the current mapping table**
 At the start of processing, every existing raw-status-to-standardized-status pairing is loaded from the internal mapping table into memory for fast lookup.
- Look up each incoming status**
 As projects are processed from a registry feed, each project's raw status is checked against the loaded mapping table.
- Return the standardized value on a match**
 If the raw status is already known, its standardized equivalent (e.g. 'Active', 'Inactive', 'Pending') is returned and attached to the project record.
- Flag and record unmapped statuses**

If a raw status has never been seen before, it is automatically added to the mapping table with no standardized value assigned yet, tagged with the registry it came from, and a notification is sent to the team responsible for reviewing and classifying new statuses.

5

Validate before publishing

Before a batch of projects is finalized, every project's status is checked to confirm it resolves to one of the recognized standardized values. Any project whose status still has no standardized mapping is flagged as a validation error rather than being published with an incomplete value.

Assumptions

- The standardized status taxonomy currently contains three values: Active, Inactive, and Pending. Any newly discovered raw status is left unclassified until a team member manually assigns it to one of these.
- A raw status is matched by exact text — no fuzzy matching or synonym handling is applied at the mapping stage, so registries that alter their wording for the same underlying status (e.g. capitalization or phrasing changes) will surface as a new, separate entry requiring manual review.
- Mappings are registry-aware: the same raw status text from two different registries is tracked as two distinct entries where registry context is available, since the same word can mean different things across registries.

Limitations

- Newly encountered statuses are not automatically classified — they require manual review before they resolve to a standardized value, which means there can be a delay between a registry introducing a new status label and it being fully standardized in the platform.
- The mapping does not attempt to infer intent from status text; a misspelled or reformatted version of an already-known status will be treated as unmapped until reviewed.
- This process governs the status label itself; it does not track or validate the timing or sequencing of status transitions within a project's lifecycle.

Output

Each project record is enriched with a standardized status field (Active, Inactive, or Pending) that can be used consistently for filtering, comparison, and reporting across all registries on the AlliedOffsets platform.