

Sample Source-of-Truth Ownership Map

Representative construction system authority and update rules | Version 0.1 | Reviewed 16 July 2026

REPRESENTATIVE SAMPLE

This document demonstrates the structure and level of detail a StructuredLayer deliverable may contain. Records, names, values, dates, states, and acceptance cases are illustrative. Final content depends on approved systems, access, data quality, security requirements, scope, and approval rules.

Concrete ownership example

Procore may remain authoritative for project records. Autodesk Docs may remain authoritative for issued drawings. The accounting system may own approved costs. StructuredLayer connects these sources through stable identifiers and controlled update rules without pretending every fact must live in one application.

Source	Authoritative facts	Stable identifier	Controlled update rule	Review owner
Procore	Project ID, project status, project team	procore_project_id	Import approved project changes; do not overwrite Procore-owned fields from reports.	Project controls
Autodesk Docs	Issued drawings, document version, issue status	document_urn + revision	Append revision events; preserve superseded links and source URL.	Document control
Accounting system	Posted actual cost, approved budget, billing	accounting_job_id + cost_code	Read posted values; corrections occur in accounting before refresh.	Finance
Estimating system	Approved estimate baseline, alternates, assumptions	estimate_id + version	Lock award version; post-award changes append separately.	Estimating
StructuredLayer operating database	Cross-system IDs, workflow state, exceptions, approvals	workflow_record_id	Updates follow role permissions and audited transition rules.	Workflow owner
Reporting layer	Approved calculations and issued views	metric_id + period	Read governed sources; never become authority for source transactions.	Reporting owner

Conflict rules

- A mismatch creates an exception; it does not trigger silent last-write-wins behaviour.
- Source timestamps, effective dates, and retrieval times are stored separately.
- Write-back is enabled only for approved fields, identities, roles, and workflow states.
- Deleted or inaccessible source records remain represented by a governed tombstone or exception where audit requires it.
- Ownership is reviewed when systems, contracts, integrations, or operating responsibilities change.