

ENGINEERING ASSURANCE FOR PHARMA & LIFE SCIENCES

Find the gap during C&Q, not during inspection.

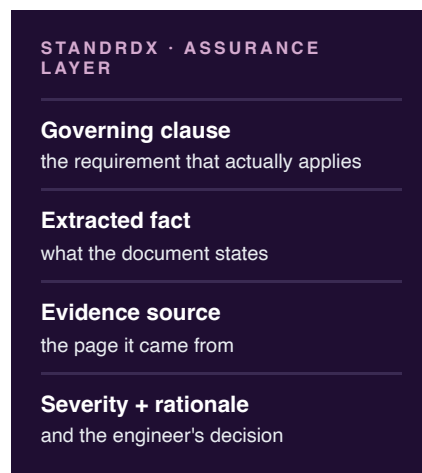
standrdX is the engineering assurance platform that validates engineering handoffs against the requirements, standards, specifications, drawings and data that govern them.

| The handoff being guarded: turnover package → governing protocol.

01 WHERE STANDRDX FITS

WHAT YOU RECEIVE

- Supplier and contractor turnover documents
- Certificates, test and inspection records
- URS, protocols, standards and addenda



WHAT YOU RELEASE

- Reviewed turnover package
- Cited findings register
- Traceable review record

02 THE HANDOFF BEING GUARDED

One package, assembled by many hands.

A turnover package consolidates documentation from suppliers, contractors and internal teams to show that a system was designed, installed, tested and documented to project requirements. Each document is produced separately. The package has to hold together against the protocol.

URS & Protocol GOVERNING	Commissioning HANDOFF	Qualification HANDOFF	Turnover RELEASE
User requirements, approved protocols, project standards and good documentation criteria.	Construction and test records produced against the approved design.	DQ, IQ, OQ and PQ records assembled into the package.	Reviewed, approved and handed to the end user.
← Caught during C&Q · a correction			Caught at inspection · a finding on record →

Review quality should not depend on which reviewer opened the binder.

Turnover package reviews remain a manual, person-driven activity. The approach, level of technicality and depth of review vary from person to person, which leads to inconsistency in outcomes across systems that were built to the same protocol.

Manual review of a turnover package does not scale with the facility.

Nothing is wrong on any single certificate, which is exactly why a page-by-page read misses it.

01

Depth of review varies by reviewer

The approach, level of technicality and depth of review differ from person to person, leading to inconsistency and variation in outcomes across the same project.

03

Traceability is limited by the method

Tracking review status and the reason a comment was accepted or rejected is difficult when comments are scattered across emails, spreadsheets and review forms.

05

Human error enters under pressure

Reviewers may overlook discrepancies because of timeline pressure, document complexity or fatigue, none of which is a failure of competence.

02

The package runs to thousands of pages

P&IDs, BOMs, datasheets, weld logs, material certificates, mill test reports, surface finish reports, calibration certificates and as-builts. Reviewing every page consumes hours and resources.

04

Quality depends on individual expertise

What a senior reviewer knows about a given certificate type lives with them. When they move on, the same questions are answered again from the beginning.

06

The review is iterative by nature

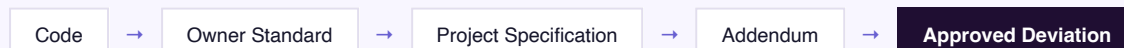
Each time a document is revised the review cycle repeats, and the cycle lengthens as the facility and the package grow.

04 PRECEDENCE

Governing requirement, not similar text.

A user requirement specification, an approved protocol and a project addendum can all speak to the same acceptance criterion and say different things. standrdX resolves which one governs, then validates against that.

standrdX applies precedence across the governing documents to determine which requirement governs.



Acceptance criteria differ from one piece of equipment to another. standrdX validates against the library you load: workspace standards and protocols apply across projects, and project addenda add project-specific controls and deviations.

05 HOW IT WORKS

01

Read the engineering record

URS, approved protocols, project standards, equipment and instrument datasheets, P&IDs, certificates and as-built drawings, from the library you load.

02

Apply precedence

Determine which requirement governs when the governing documents disagree, and carry that decision forward.

03

Validate the handoff

Check each record against the requirement that actually applies, at package scale and at every revision.

04

Engineer decides

Every finding carries its clause and evidence. The reviewer verifies, decides and approves. The decision is recorded.

Datasheet and certificate review	Equipment and instrument datasheets, material certificates and test records compared against the protocol and the URS that govern them, with the governing clause, the extracted fact and the evidence source on every finding.
Drawing review	P&IDs, as-built drawings and layout drawings ingested as project documents and included in a compliance run. Findings are returned clause by clause, with the source quote, a severity and a confidence score reported separately from the verdict.
Revision comparison	2D drawing revision comparison identifies what changed between issues, so review effort goes to the change rather than to re-reading the whole deliverable at each revision of the package.
Cross-document validation	Conflicts identified across connected records within a package, so a discrepancy can be traced to the stage that introduced it. Scope and document set are established in a bounded engagement.

HIGH	Instrument calibration certificate CC-2214 · Rev 01	NON-CONFORMANT
Calibrated range does not cover the operating range stated in the approved protocol.		
GOVERNING CLAUSE	Approved protocol, instrumentation section, invoked by the URS Project addendum A-07 takes precedence	
EXTRACTED FACT	Calibration range as certified · operating range as specified in the protocol	
EVIDENCE SOURCE	CC-2214 Rev 01, calibration record · approved protocol, instrumentation section	
SEVERITY RATIONALE	Governing requirement applies to a product-contact critical instrument	
REVIEWER	Open for engineering decision: approve, reject, or override severity	
Illustrative. Severity, clause and evidence are carried on every finding; the engineer holds the decision.		

standrdX does the first pass. Your engineers make the call.

Speed without handing over accountability. Every decision is recorded, every approval traceable.

STANDRDX

Reads	Compares	Determines	Finds
Explains	Tracks	Prepares	

ENGINEER

Reviews	Decides	Approves	Escalates
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Human governance is the design, not a safeguard added afterwards.

Each finding carries the governing clause, the extracted fact and the evidence source, so it can be checked rather than taken on trust.

01

Standardised and methodical review

The same validation logic applies across systems and projects, improving consistency.

03

Better traceability with an audit trail

Review status and the basis for acceptance or rejection sit in one record rather than across emails and spreadsheets.

05

Improved resource allocation

Reviewers spend their time on judgement rather than on page-by-page verification.

02

Review time measured in hours

Large volumes of documentation analysed without fatigue, reducing the rate of human error.

04

Shorter review cycles

Faster phase handover and project delivery, because each revision is compared rather than re-read.

06

Data-driven insight

Metrics on turnover quality, recurring issues and performance across the package.

10 WHY IT IS DIFFERENT

ADJACENT CATEGORY

Requirements management

Quality management systems

Extraction and reconciliation

Code-checking services

WHERE IT STOPS

Stores what was written. It does not verify that the requirement survived the translation.

Record the discrepancy after someone finds it. standrdX catches it at the handoff. The two are complementary.

Stops at the flagged conflict, without ruling on which requirement governs.

standrdX assures your requirement against the standards you set. Codes are one input among several.

11 WHAT THE PLATFORM PROVIDES

Platform. Multi-tenant SaaS with role-based access control, enterprise sign-in through Microsoft Entra ID, and full action logging. **Inputs.** PDF documents and engineering drawings, with 2D drawing revision comparison. **Outputs.** Findings and reports exported to PDF and Excel.

Governance. standrdX is evidence-backed and human-governed. It does not make engineering decisions or replace engineering judgment.

12 NEXT STEP

Prove it on your standards, your documents.

See standrdX run against your own URS, approved protocols and turnover documentation, and judge the findings the way your validation team would.

GET IN TOUCH

hello@standrdx.com

Email us to arrange a demo or talk to an expert.