

Clean Data. Verified Data. Reportable Data.

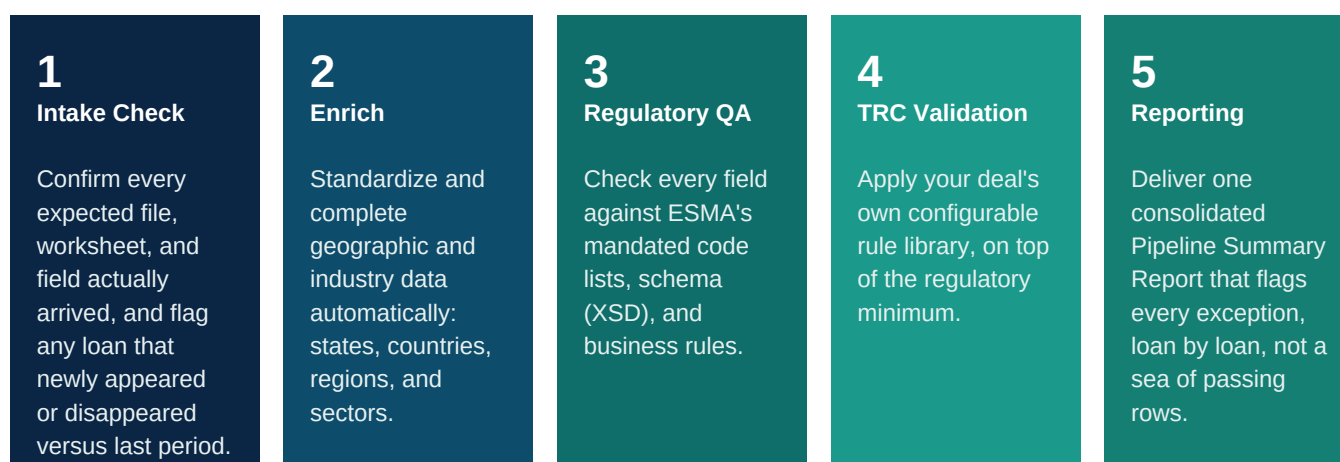
How The Reporting Company validates, enriches, and quality-checks every securitization data point before it reaches a regulator or investor.

Built-In Quality, at Every Step

Every regulatory report we produce, including ESMA securitization loan-level and investor reports, passes through the same disciplined data quality pipeline before delivery. It isn't a single check at the end. It's a layered system: structural checks on intake, automated enrichment, regulatory code-list validation, and a fully configurable, deal-specific rules engine, all producing one consolidated, audit-ready report. Automation handles the scale and repetition; our analysts, and yours, stay in the loop to review every exception it surfaces.

The result: fewer regulator queries, faster remediation cycles, and a defensible audit trail for every number in every submission.

FIVE LAYERS, ONE PIPELINE



1. Intake & Completeness Checks

Before a single value is transformed, the pipeline confirms the data we received is actually complete:

- Every required file, worksheet, and column defined for your deal is confirmed present.
- Any missing worksheet or expected field is logged immediately, not discovered downstream.
- Loan- and exposure-level records are compared period over period. New records and records that disappeared since the last submission are automatically surfaced for review before any report is generated.

2. Geographic Data Integrity

Location fields are among the most error-prone fields in any loan file, and among the most heavily scrutinized by regulators. Our pipeline cross-validates every layer of geographic data against authoritative reference sets:

- **Country codes** validated against the official ISO 3166-1 country code list.
- **State / region values** recognized in either abbreviation or full-name form and automatically reconciled to the correct country, so a state value alone is enough to confirm the record belongs to the right jurisdiction.
- **NUTS codes** (the EU's official statistical region classification) are validated against the published reference list and, where a precise region isn't supplied, automatically derived from the country or state on the record.
- **Postal / zip codes** and other free-text location fields are checked for format, completeness, and internal consistency as part of each deal's configurable rule set.

3. Industry Classification (NACE): Human-in-the-Loop AI

Every obligor's industry classification is checked against the full, current NACE code list published by the EU. Where a client file doesn't already carry a classification, we don't stop at a data gap:

AI Proposes, an Analyst Confirms

An AI model reviews the obligor's name and business description and proposes a NACE code with its classification rationale. A human analyst reviews and confirms new assignments before they're added to a shared reference library, so the next deal, yours or another client's, benefits from classification work a person has already validated. Accuracy compounds over time instead of starting from zero every period, and nothing gets reported without a human sign-off.

4. Legal Entity Identifiers (LEI)

Every LEI reported is checked for correct structure and format, and verified against the global GLEIF entity registry, the same authoritative source regulators themselves use. We confirm that each identifier exists and that the reported entity name matches the legal name on record.

5. TRC Validations

On top of baseline checks, every deal carries its own configurable library of business rules, built for its asset class (ESMA annex) and applied automatically to every record, every period. The rules work in two directions: inward, to test whether the data agrees with itself, and across time, to test whether it moved the way it should.

Internal Consistency: Does the Data Agree with Itself?

Fields that describe the same loan, collateral item, or hedge must tell one coherent story within a single period. Each annex carries its own library of cross-field checks, such as:

- **Arrears add up:** a loan with an arrears balance must also report days in arrears, and cannot be marked as performing.
- **Defaults are fully described:** a stated default reason requires a valid default date, and a defaulted account requires a default amount.
- **Hedges are fully identified:** a swap notional must come with its provider and leg details, never a "no-data" placeholder.
- **Valuations are complete:** a collateral value must arrive with its valuation method, date, and currency.

Period-to-Period: Did the Data Move the Way It Should?

The same library watches the movement between reporting dates, where a number can be valid in isolation and still be wrong:

- **Value-change thresholds** flag any field that moves more, or less, than expected.
- **New and missing exposures** are counted and reconciled automatically against the prior period.
- **Static fields stay static:** origination details, identifiers, and other fixed attributes are compared field by field against the prior period, and any that changed are logged for a human analyst to review before the report goes out, catching silent data drift a manual review would likely miss.
- **Fields behave as expected:** hard-coded values stay constant, no-data codes are used correctly, and dates and zero values make business sense.

Because these rules are configuration, not one-off manual scripts, they can be refined deal by deal without waiting on a development cycle, and every rule runs the same way every single period.

6. The Pipeline Summary Report: Full Transparency

Every check described above, both regulatory and custom, runs against every loan, every period. Only the exceptions, the checks that failed, are written to a single, consolidated Pipeline Summary Report delivered alongside each submission, so a review focuses on what needs attention rather than thousands of rows confirming what already passed. For every exception it records exactly which field, which record, what value was reported, and why it failed, giving your team complete traceability from the original source file through to the final regulatory submission.

Why It Matters

Lower regulatory risk	Code-list and schema validation catch non-compliant values before they ever reach a regulator.
Faster remediation	Field- and record-level detail in the Pipeline Summary Report means issues are pinpointed, not re-discovered.
Full audit trail	Every exception identified on every submission is documented and retained, ready for internal or external review.
Consistency at scale	The same rules run identically across hundreds of fields and every reporting period, with no manual drift.
Human-in-the-loop	Automation does the scale and repetition; your analysts and ours review every exception before it reaches a regulator.
Continuous improvement	AI-assisted classification and a shared reference library mean the system gets smarter with every deal.

Let's Talk About Your Data

Want to see the Pipeline Summary Report for a sample deal, or walk through how this framework would apply to your transaction? Reach out and we'll set up a walkthrough.

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