

Rating at the Speed of the Market

Modern pricing models are arriving faster, more frequently, and with more data inputs than most operational workflows were built to support.

How will you keep up?



Most Rating Work Still Happens in Excel

Excel is prevalent in day-to-day actuarial workflows and remains highly relevant to pricing and reserving disciplines.

(CAS Forum, 2024)

Excel remains the preferred environment for pricing design because it is:

- Transparent
- Flexible
- Fast to iterate
- Familiar

But that doesn't always mean it's the most efficient.

85%

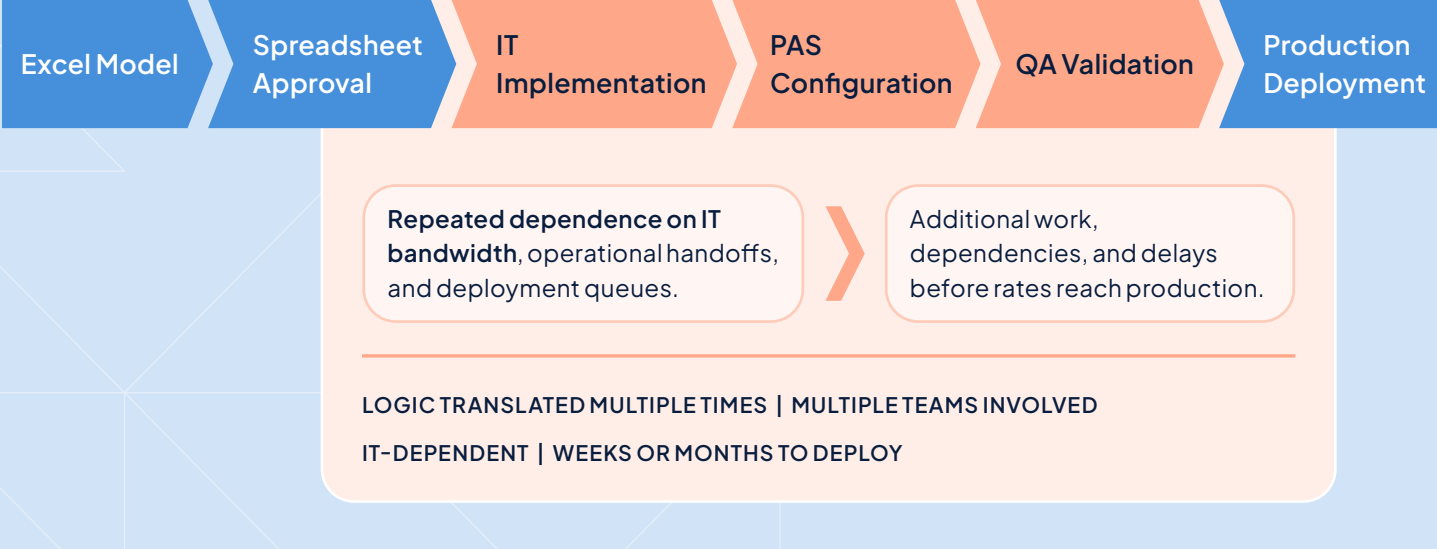
of actuaries worldwide spend a quarter of their day on unnecessary data operations and preparation work.

PwC Global Actuarial Modernization Survey, 2025



The Real Work Begins After the Spreadsheet

Once pricing logic is approved, it often must be translated, configured, tested, and validated across multiple systems before rates can reach production.



Formula Integrity

Every additional translation or rebuild step creates another opportunity for approved and production formulas to fall out of sync.

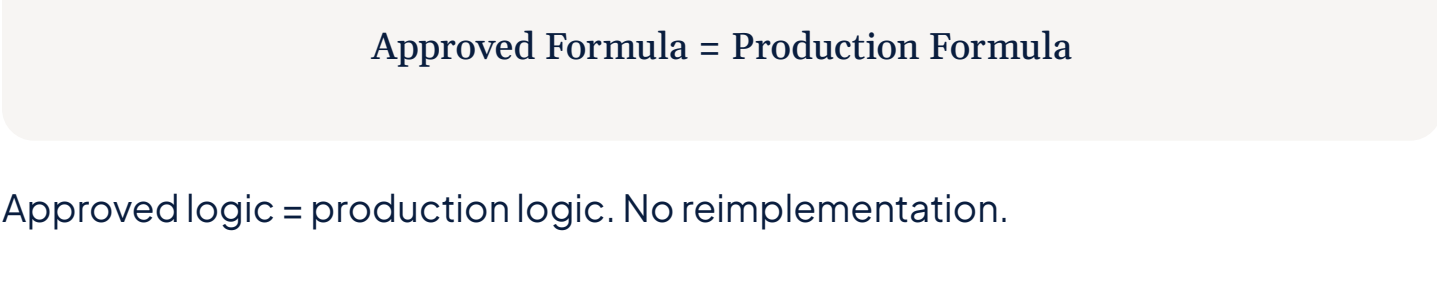
Manual Input without Origami Risk Rating



The more times pricing logic is translated or rebuilt, the more opportunities there are for formulas to change before reaching production.

With Origami Risk Rating

By eliminating manual reimplementation, Origami Risk Rating reduces the layers where formula inconsistencies can be introduced.



Approved logic = production logic. No reimplementation.

Pricing Inputs Continue Expanding

82% of commercial insurers now use telematics technology (up from 65% in 2023).

Benzinga

70% of commercial insurers plan usage-based insurance expansion within the next two years.

Business Insider

60% of commercial insurers now maintain dedicated telematics teams (up from 27% in 2023).

Insurance Thought Leadership

Data Source Matrix

To meet these demands, rating models now pull from three categories of data sources:

| Operational | Customer signal | Environmental |
|-----------------------|---------------------|---------------------|
| IoT sensors | Driving behavior | Weather |
| Property intelligence | Engagement signals | Wildfire risk |
| Sensor feeds | Usage patterns | Flood risk exposure |
| Fleet telemetry | Mobile interactions | Satellite imagery |
| | | Climate models |

Industry shift

Legacy Pricing Models

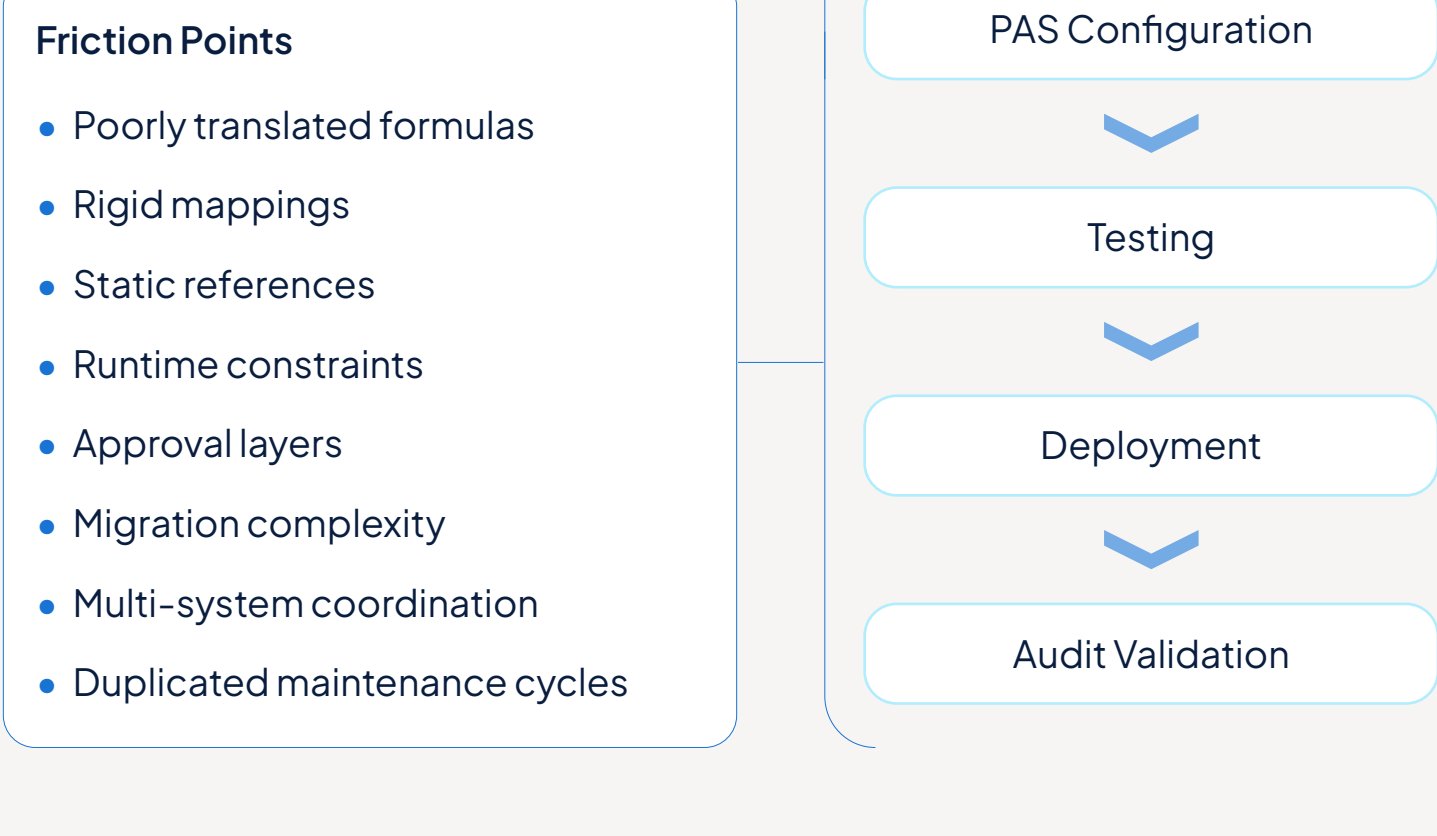
- Looking things up in printed books
- Limited external data
- Periodic updates
- Smaller datasets
- Fewer rating variables

Modern Pricing Models

- Real-time data received digitally
- Continuous external inputs
- Continuous refinement
- Real-time signal expansion
- Granular segmentation

Rating Operations Still Depend on IT

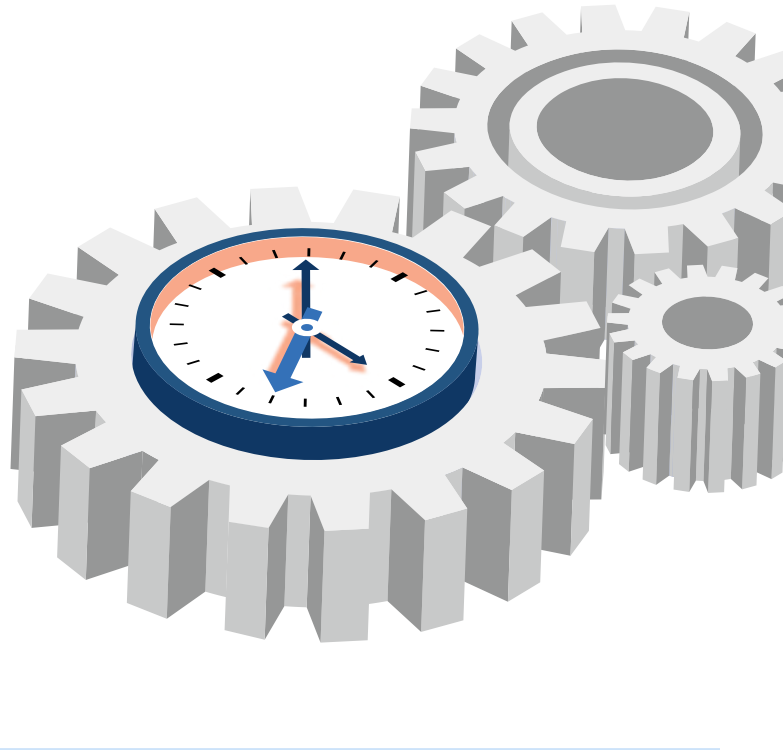
Modern pricing strategies are evolving faster than many rating infrastructures were designed to support.



Speed to market is the key driver of rating modernization.

Production Rating With Built-In Version Traceability

Modern pricing operations require production rating that preserves both formula integrity and version traceability. Origami Risk Rating removes the rebuild layer by eliminating the need for a handoff.



| | |
|-----------------------------|--|
| Traditional Workflow | <p>Excel → IT rebuilds in PAS → testing → fix errors → retest → publish</p> <p>WEEKS OR MONTHS</p> <p>Every update can trigger another round of implementation and testing.</p> |
| Origami Risk Rating | <p>Excel → testing → publish</p> <p>HOURS OR DAYS</p> <p>Update the spreadsheet, test, and publish.</p> |

Legacy Model

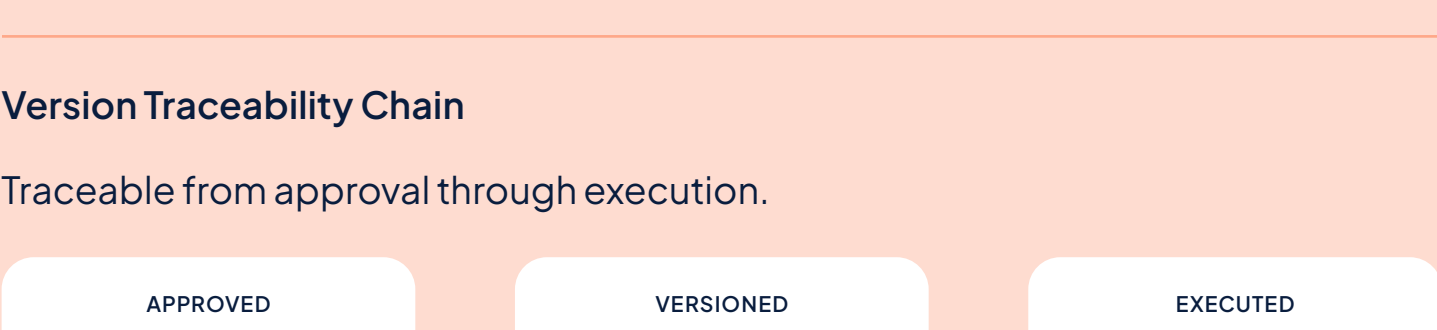
- Separate design and production logic
- Reimplementation required
- Manual reconciliation
- Fragmented versioning across systems
- No clear history for version auditing

Origami Risk Rating

- Shared design-time and runtime logic
- No rebuild layer
- Built-in traceability
- Version integrity across systems
- Clear version history for reporting and auditing

Version Traceability Chain

Traceable from approval through execution.



Competitive Pricing Depends on Deployment Speed

From Pricing Logic to Production...



... Modern insurance pricing depends on how quickly approved rating logic can move into production.

Still rebuilding approved pricing logic before every deployment?

See how Origami Risk Rating helps insurers move from spreadsheet approval to production faster.