**Project Goal**

* Build a centralized, automated platform for reinsurance treaty calculation and financial reconciliation.
* Replace Excel-based, manual reconciliation with a traceable, rule-driven system.
* Enable policy and claim-level visibility and support monthly and quarterly financial closure timelines.

**Current Process Overview**

* Reconciliation is manual and Excel-driven across Finance, Operations, and IT teams.
* Data is extracted from Workday, Salesforce, and Velocity.
* Monthly claim-level data is received from a third-party and loaded into the enterprise data warehouse.
* Adjustments are handled manually before posting entries to the general ledger (GL).
* IBNR data is provided by the Actuarial team via Excel but is not directly integrated.

**Key Data Sources Identified**

* Velocity: Core system for policy, claim, and hospital transactions.
* Oasis (MPLS ERP): Source for financial mappings and GL entries.
* WAC: Workers' Compensation claim system.
* Reinsurance Cube: Parameter store for treaty metadata such as retention, cession percentage, eligibility rules.
* IBNR (Excel): Segment and state-level reserve estimates shared by Actuarial.
* Workday and Salesforce: Used for validation and journal entry tracking by the accounting team.

**Treaty Logic and Calculation Requirements**

* Each treaty has unique business rules (quota share, excess of loss, stop loss, etc.).
* Calculations need to be applied at policy, claim, and hospital level.
* Approximately 10 to 12 new treaties are introduced each year.
* Treaties signed at year-end must be accounted for and calculated in the first quarter of the next year.
* All treaty logic must be parameterized and version controlled.

**Exception Management Requirements**

* Required to handle eligibility mismatches, missing data fields, or invalid configurations.
* The system should support:
  + Reason codes for each exception
  + Status tracking (Open, In Progress, Resolved)
  + Assignment and ownership workflow
  + Centralized dashboard for review

**Adjustments and Financial Closure**

* Adjustments such as broker updates are manually entered into Velocity.
* These must be posted to the ledger before the closure is finalized.
* The financial closure cycle follows:
  + A 12-day monthly closing window
  + An additional 5 to 7 days for final postings and validations
* Timely tracking of these adjustments is critical for quarterly reinsurance reporting.

**Reporting Requirements**

* Key reports expected from the system include:
  + Loss summary
  + Ceded loss calculation
  + Exception log
  + Adjustment tracker
  + Closure milestone tracker
* These reports are critical for decision-making, reconciliation, and compliance.

**Challenges Identified**

* Manual Excel-based reconciliation is slow and lacks traceability.
* No system for consistent exception tracking or resolution.
* Inconsistent data fields and definitions across systems.
* Treaty logic is not modular and not version controlled.
* Adjustments are not logged systematically and are hard to audit.
* No consistent mapping from transactions to ledger postings.

**Key Action Items**

* Share sample Excel used for reconciliation – MM team
* Confirm IBNR file structure – MM team
* Share stakeholder list for attribute review – MM Team
* Provide SQL/views for Oasis and Velocity – MM Team
* Deliver list of treaty parameters and historical catalog – MM Team
* Create prototype for exception management workflow – MM Team
* Document loss calculation scripts and data source tables – MM Team