Case Study Presentation
GL Interface Application & Reconciliation Analysis

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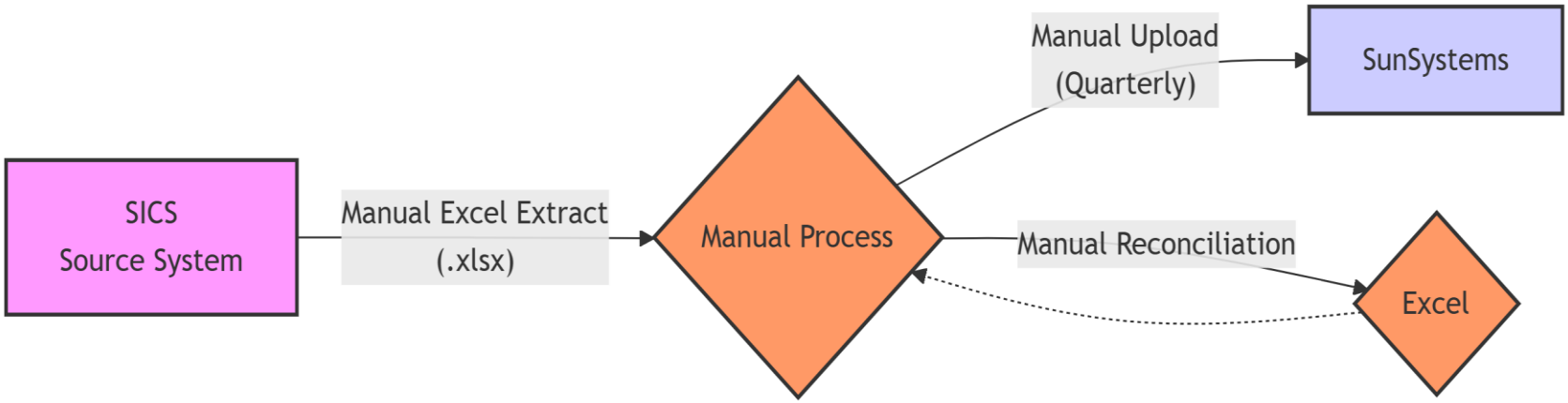
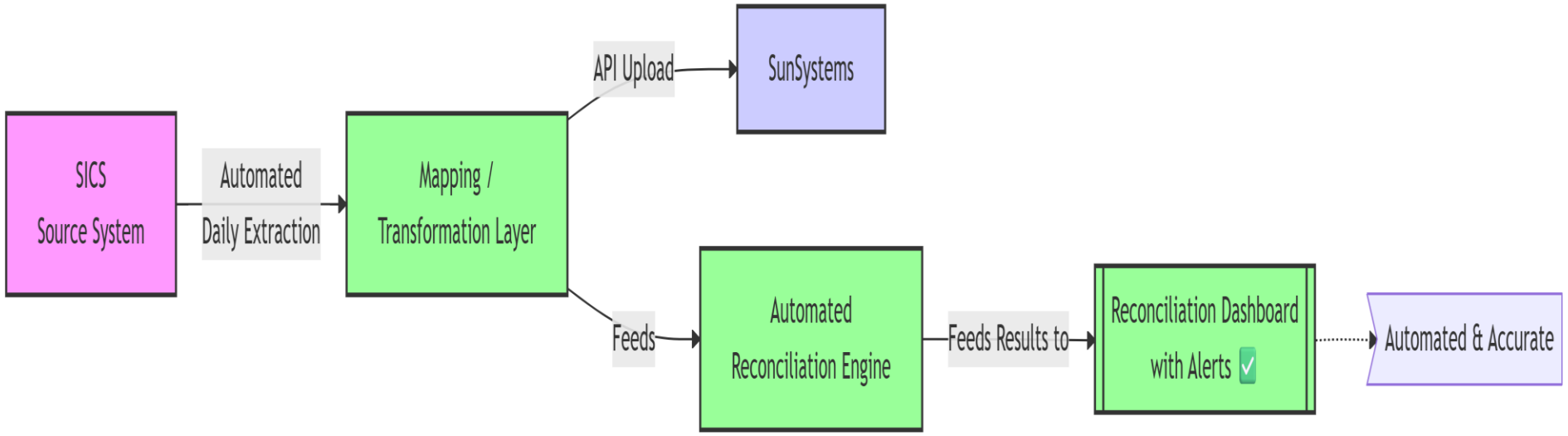
Current Manual Process (As-Is)

- GL data exported manually from SICS
- Imported into SunSystems quarterly
- Time-consuming and error-prone



Proposed Automated Process (To-Be)

- Automated daily extraction & upload
- Mapping ensures compatibility with SunSystems
- Reconciliation ensures systems remain aligned
- Reduces manual effort and speeds up closing



System Requirements

Functional Requirements:

- Daily extraction from SICS
- Mapping & transformation
- API upload to SunSystems
- Automated reconciliation
- Logs and alerts

Non-Functional Requirements:

- Reliable & secure
- Runs overnight
- Easy to maintain mappings
- Provides audit logs
- User-friendly reconciliation reports

Risks & Questions

Risks:

- Data field mismatches
- API downtime or changes
- Failed jobs without monitoring
- Security risks
- Stakeholder adoption issues

Clarifying Questions:

- What fields are required in SunSystems?
- Can we access export files & API docs?
- What's the unique transaction key?
- What tolerance for reconciliation?
- Who receives error alerts?

MinPrem Variant Analysis

TOP 10 POLICIES BY VARIANCE				
UWYear	(All)			
Row Labels	**Sum of Minimum Premium in System**	**Sum of Minimum Premi**	**Sum of Min Prem Variance**	**Sum of ABS Min Prem Variance**
500023/01/08/IAB1057024/2008/Main	42000000	6296833	$ 35,703,167.00	$ 35,703,167.00
500066/02/08/IAB1057096/2008/Main	70000000	6874624	$ 63,125,376.00	$ 63,125,376.00
500081/01/12/IAB1057159/2012/Main	56750000	205	$ 56,749,795.00	$ 56,749,795.00
500099/02/13/IAB1057185A/2013/Mai	63000000	4951	$ 62,995,049.00	$ 62,995,049.00
500283/02/13/IAB1057571/2013/Main	43163000	19	$ 43,162,981.00	$ 43,162,981.00
700666/02/13/IAB1058680/2013/Main	42500000	6368794	$ 36,131,206.00	$ 36,131,206.00
700857/01/14/IAB1058740/2014/Main	44400000	21600	$ 44,378,400.00	$ 44,378,400.00
701324/01/16/IAB1059459/2016/Main	46189000	22	$ 46,188,978.00	$ 46,188,978.00
A500013/04/13/IAB1060454/2013/Mai	62500000	9369896	$ 53,130,104.00	$ 53,130,104.00
A500013/05/13/IAB1060455/2013/Mai	45000000	6749060	$ 38,250,940.00	$ 38,250,940.00
Grand Total	**515502000**	**35686004**	**$ 479,815,996.00**	**$ 479,815,996.00**

- MinPrem total variance $1.596B.
- Top 10 policies ≈ 30% of MinPrem variance.
- Critical subset > $100K requires priority review.

Key Findings

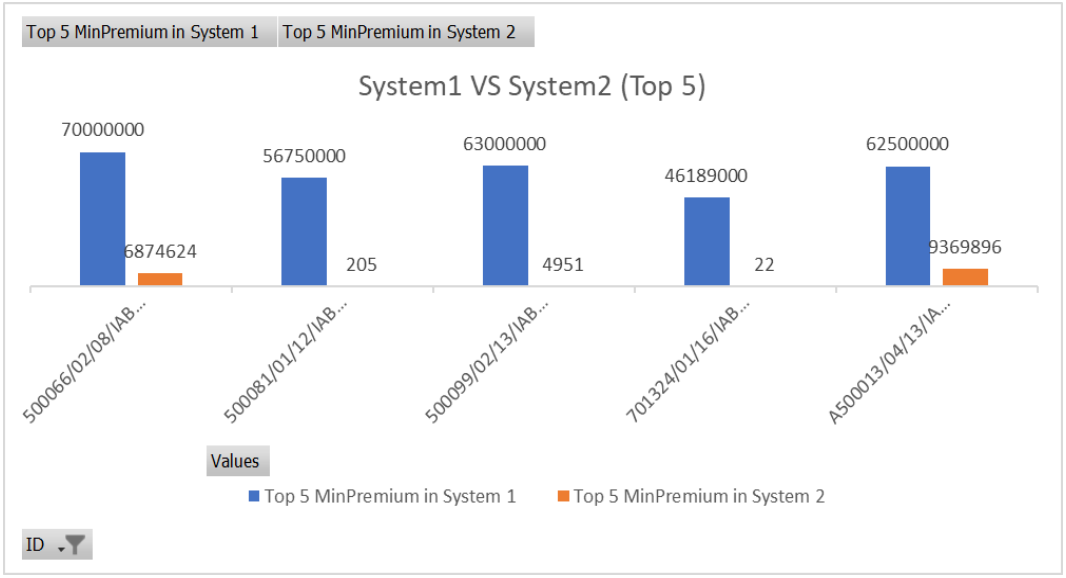
- 181 records reviewed – all showed variance
- Total Minimum Premium (MinPrem) variance = $1.596B; Top 10 policies ≈ 30%
- System1 > System2 in most cases – likely reporting/rounding issues
- Implausible System2 values (eg: 20, 1,000, 2,216) + 3 blanks in System1
- Field mislabeling (EPI ↔ MinPrem) makes EPI unreliable
- No consistent identifiers → harder reconciliation

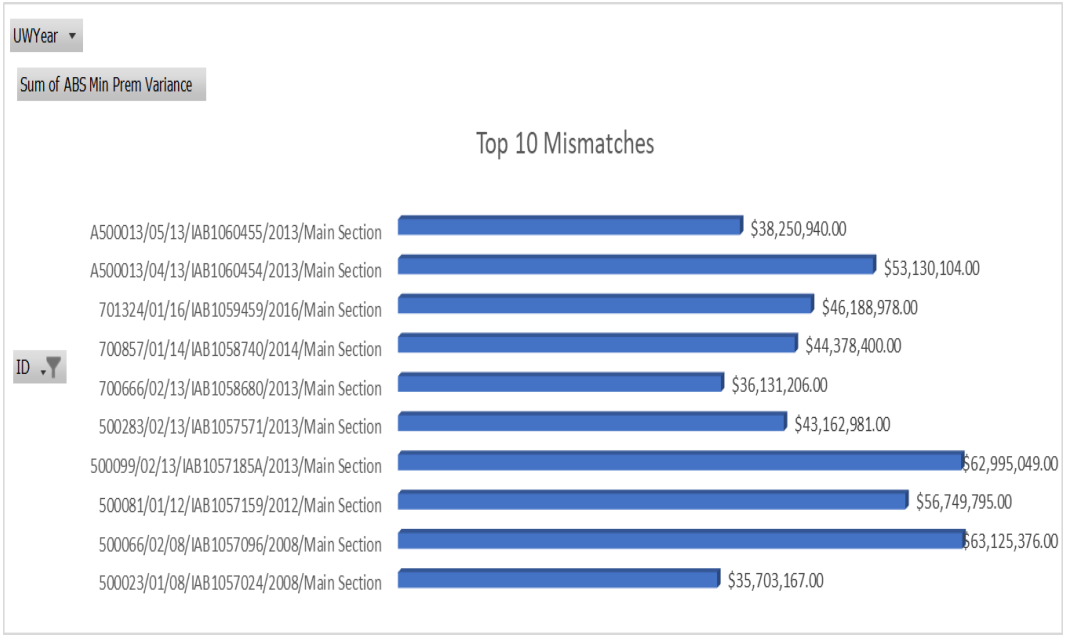
Root Cause Analysis

- Mislabeling between EPI and MinPrem
- Data migration/mapping errors (implausible/missing values)
- Reporting inconsistencies (monthly vs annual, rounding)
- Lack of unique identifiers for one-to-one reconciliation

Reconciliation Results

- EPI variance cannot be trusted due to mislabeling (EPI ↔ MinPrem).
- MinPrem is confirmed as the reliable measure for reconciliation.
- System1 vs System2 values are not aligned – gaps remain due to reporting/mapping issues.





Key Takeaways

- Manual process is inefficient → automation saves time & reduces errors
- To-Be design ensures daily sync, reconciliation, and visibility
- Key risks: mapping, API dependency, reconciliation rules

Recommendations And Next Step

- Focus on MinPrem Variance until mapping is fixed
  Base reconciliation on System1 vs System2 MinPrem

- Correct the Source Mapping
  Fix EPI ↔ MinPrem mislabeling, then re-run analysis

- Investigate High-Impact Variances First
  Validate Top 10 policies (~30% of ₦1.596B) with contracts

- Address Data Quality Issues
  Resolve implausible System2 values + System1 blanks

- Strengthen Reconciliation Going Forward
  Standardize IDs, automate variance alerts (> $100K)