Capgemini approach to Solvency II & Data Quality
Capgemini’s End-to-End Solution Capabilities

- Aligning Finance & Risk
- Organizational Maturity
- Roadmap For Alignment

- Market, Credit, Operational Risk
- Insurance Risk
- Risk Aggregation

- Data Governance
- Data Quality
- Traceability

- One Common Language-Semantics
- Data Warehouse/Data Marts
- Reporting, Analytics, Dashboards
- Metadata Management
Illustrative Capgemini Accelerators – Saves 20% - 40% in time & money on average for clients

SigmaMap™
ERM Dashboard
Organizational Alignment

Risk Aggregation
Risk Modeling
Risk Modeling

Data Quality
Data Governance
Control Frameworks

Business & IT Solution
Architecture
Information Management Foundation
## Capgemini’s Insurance Expertise & Leadership

### Strong Insurance Domain Expertise
- Provide services to 12 of the 15 largest global insurers
- One global organization exclusively focused on the insurance industry
- Over 4000 dedicated insurance professionals
- Innovative offerings across the insurance landscape

### Premier Client List
![Premier Client List](image)

### Leaders in Industry Expertise
- Our industry leaders average 15-20 years of industry expertise
- 15,000+ professionals globally are dedicated to financial services

We succeed by:
- Disseminating insurance experience and innovation
- Investing in client relationships
- Maintaining Global Centers of Excellence
- Globalization of local delivery
- Flawless execution

### Leaders in Innovation
- Policy Lifecycle Model – Front Office, Policy Administration and Claims
- Smart Insurance Enterprise Architecture – Legacy Transformation/SOA
- Insurance Testing Solution
- World Insurance Report – annual thought leadership report
- Key alliances such as Guidewire, Oracle, Pega sSstems, Business Objects, OneShield
- Accelerated Solutions Environment (ASE) Methodology
Summary of our approach

- First, take a look at the picture opposite. This is a typical data life cycle or “touch point” map. Where it says ETL/Normalise is where Trillium business rules play. This is only one point in the data life cycle.

- The more interesting ones are the “Staging” touch points because this is where aggregations, derivations, etc. occur. And, some of these “Staging” processes might be downloads to spreadsheets which are then massaged and adjusted and then “uploaded” to get to the next “stage”. The Business Objects views are at the very bottom of the data life cycle.
Summary of our approach

- Trillium based business rules do not play in the Staging phases, in production, or in views for distribution. Because we are oriented toward fit-for-purpose to the business people, we concentrate on what we call Level 3 data quality checks (referential integrity, fit-for-purpose) and work our way back to source. Fit-for-purpose business rules are established by Solvency II requirements, which is the ultimate goal of the exercise. Knowing that an attribute is missing for a data class a large percentage of the time is not relevant if that attribute serves no business purpose nor is part of satisfying a Solvency II requirement.

- What we are proposing in our **Data Quality Assessment Scope phase** (the first three weeks), is to confirm the Chaucer “touch points” and major classes of data, determine the owners and consumers, and the perceived data quality issues from the business people. We would also provide a very high level estimate of the total effort that might be required to address all the major class of data across all of the “touch points”.

- What we are proposing in our **Data Quality Assessment Pilot phase** (the following eight weeks) is to take ONE major class of data (claims abstract data, for example, if that appears to be one that has a lot of data quality issues according to the business people), and work it backward through the Chaucer “touch points”, assessing the data quality at each step in the data life cycle, identifying the breach conditions, and documenting the lineage and traceability so that the Chaucer business dictionary can be extended to include this lineage and traceability information. We should also be able to come up with a high-level roadmap for tackling the rest of data classes.
Phase I – Data Quality Assessment Scope
Timeline and Investment Required

Week -1
- Conclude commercials
- Preparatory meeting to identify key stakeholders
- Interviews scheduling
- Final presentation scheduling

Week 0
- Preparation & Planning time for Capgemini & Chaucer
- Ready for a quick start at Week 1

Week 1
- Interviews with key Stakeholders (on site)
- Document Review (on site)

Week 2
- Analysis and Report Preparation
- Off site activity

Week 3
- Presentation and Workshop
- Agree next steps

Investment required, single audit.
- Estimated 45 man days effort across timeline.
- Team includes Programme Manager, Lead Business Analyst & Lead Technical Analyst
- £69,000 ex VAT and expenses. Figures based on Based on Time & Materials
- Subject to Capgemini standard Terms & Conditions.
## Phase 2 – Data Quality Assessment Pilot

### High Level Project Plan

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- **Red**: Current
- **Amber**: In Progress
- **Green**: Completed
- **Planned**: Planned