

ERM & Operational Risk

A Suggested Technology Frame-work

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Agenda



- Enterprise Risk Management (ERM)
 - Background
 - Implementation
- Operational Risk (OR)
 - Business Functions
 - Challenges and Opportunities
- Technology Challenges and Solutions for ERM and OR
- Conclusion



Enterprise Risk Management

Pre-ERM Risk Management Approach

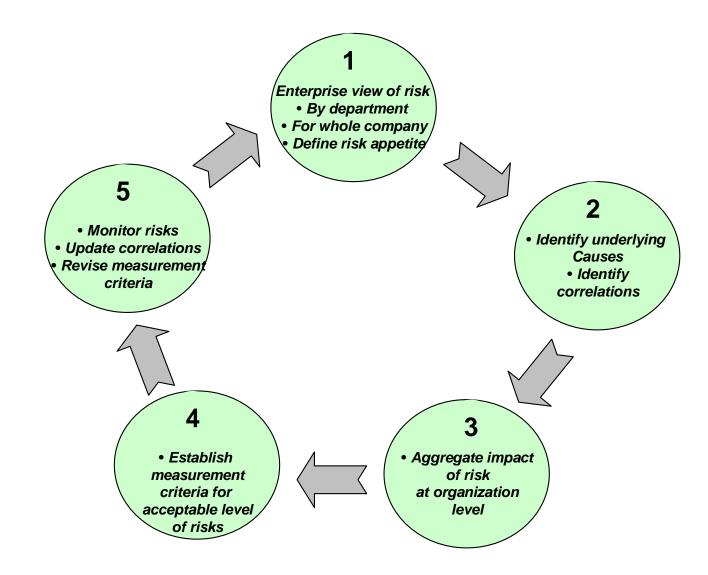


- Interplay of risks: Did not account for correlation between risks affecting different departments
- Not enough root cause analysis: Resulting in inefficient and inadequate solutions
- Incorrect prioritisation of risks

The key objective of ERM is to develop a coherent enterprise wide strategy enabling an organization to address risks effectively in a holistic manner, while making optimum use of the resources.

ERM implementation







Operational Risk

Business Functions



Operational Risk:

The risk of loss resulting from inadequate or failed internal processes, people and systems, or from external events

- Actuarial Functions
- Underwriting
- Claims
- IT systems
- Sales and Marketing

- Standardization
- Outsourcing
- Business Continuity







Challenges in Operational Risk Management



- Operational risk is not very precise and covers a wide scope.
- Lack of industry standard definition and differing classifications of risk lead to custom Operational risk Management strategy for each organisation
- Identification of risks in day to day activities
 - people risk, agent risk, third party vendor risk, systems risk, legal risk, claims risk, client relationship
- Defining criteria for prioritizing the impact of the risk on the business -High frequency & low impact or low frequency and high impact risk?
- Quantifying the risk How does one quantity risks like fraud done by agents in new business – misrepresentation, mis-selling, mismanagement, etc.
- Loss data relating to operational risks have not been collated in a way that allows for comparison, trends analysis or model creation.

Benefits of Operational Risk Management



- Optimal capital allocation In the future insurer capital allocation could be tremendously affected by operational risk. Indiscreet or imprudent business practices would require more capital allocation
- Culture of accountability Incorporating operational risk into an organization DNA would improve the culture of accountability in an insurance organization.
- Avoid potential loss Potential future losses could be avoided with incorporation of operational risk practices into the organization
- Improved performance Since risk management is at the core of an insurer, better operational risk management could improve business performance as well.



Technology Challenges and Solutions for ERM / OR

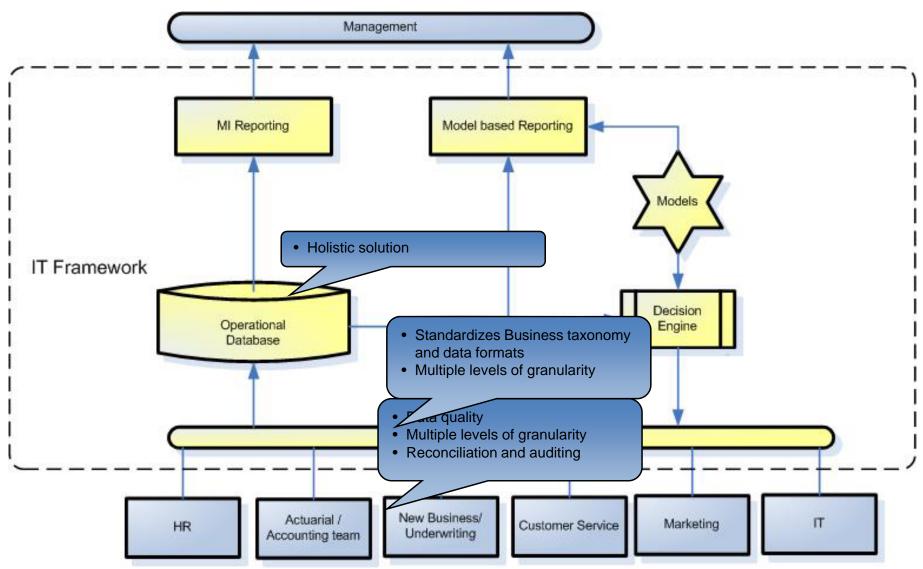
Technology Challenges



- Business Taxonomy & data formats
- Data quality
- Multiple levels of granularity
- Intermediate vs Holistic solution
- Reconciliation and auditing

Technology Solution







Conclusion

ERM / OR in Insurance - Conclusions



- Compliance related initiatives are set to increase
- Need long term strategy instead of short term fixes / solutions
- Need for technology transformation



Thank You!

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