

Risk Maturity and Communicating the Value of Risk Management

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Learning Objectives



Understand the definition of risk maturity



Understand the use and benefits of risk maturity models



Understand the meaning of Total Cost of Risk (TCOR)



Demonstrate how TCOR can be derived to demonstrate value from effective risk management



Understand how risk maturity and TCOR approaches are applied in practice through the use of case studies

Risk Maturity to Drive Continuous Improvement



- Risk maturity assessment identifies control gaps, failures and improvements, informing strategy
- **Risk maturity models rationalise gaps** against the risk appetite and materiality
- In financial services, risk maturity maybe defined as an aggregate of Residual Risk= Inherent Risk x Effectiveness of controls
- Risk maturity helps prioritise **remediation activities and continuous improvement** initiatives by providing a tangible, measurable, year on year framework which identifies progress
- It enables a comprehensive cost benefit analysis of attaining the business objectives, by considering not solely performance and risk facets to change
- Risk maturity enables decision making and empowerment, and delegation within defined materiality thresholds and risk parameters



Source: Arthur D. Little



Example of good practice: the rail industry uses a tool - the RM³ - developed by the Regulator to assess Risk Maturity



- Rail has taken risk management very seriously in respect of its most important risk – safety
- Highly effective Regulator / regulated party relationship has evolved, which 'drives a conversation'. Regulated parties comment that relationship is far better than that in other sectors as Regulator does not chase fees or fines
- Railway culture is one of not competing re: safety, and this is enshrined in regulation
- RM3 developed by regulator, and then given out for parties to do self assessment
- RM3 has 26 elements, five main areas. Criteria define
 Excellence in safety management for each element

RM3 is getting traction outside Rail – e.g. construction, utilities





Example: RM3 provides a framework for monitoring progress in safety management, and a "common language" to drive discussion



fastTrack

MRA5 Corrective Action



Example: a transferable good practice of RM3 is using CQQC to evaluate sources of evidence to determine the overall rating







Consistency

Applying maturity self assessment needs a careful approach



- Honesty
- Collaboration
 - Staff at all levels
 - Suppliers and customers
 - Peers and regulators
- Two-way discussion
- Real world ("work-as-done")
- Commitment to improvement
- Basis for challenge and reflection



- Cursory, check-box exercise
- Narrow participation
- Insular, inward looking
- Remote assessment
- Cherry-picked evidence
- Focus on paper systems
- Justifying complacency
- Basis for perception management

Example: Sceptics can end up being the leaders of a strong risk management approach

- The new CEO of a global public transport company could see that accidents were not only harming people but eroding profits
- They rolled out a new safety campaign and introduced 12 Global Standards for all business units to implement including



Higher vehicle and engineering standards



More rigorous and frequent driver assessment and competence standards



Investing in smart cameras and other safety technologies

- Business Unit Leaders concerned about costs in what is a low margin business
- The most sceptical country were initially resistant and thought it would put them at a commercial disadvantage in bidding for new contracts
- Just 18 months later they were converted
- Accidents came down, as did insurance premiums, and costs of repair
- They started to win more contracts as they leveraged their advantage in technology, driver competence and safety record
- In developed countries they started a new business as a training school

Defining and calculating an organisation's Total Cost of Risk (TCOR) requires understanding of a number of factors







Quantifying Key Risks

Risk quantification and sensitivity analysis:

- Net exposure to cashflow/EBITDA accounts for existing controls & insurance policies & is quantified by a risk modelling / simulation
- The quantification approach should be aligned with the planning cycle timeframe and can be linked to the existing forecast model
- Sensitivity analysis will quantify the potential reduction in exposure associated with key improvement actions







Setting risk management strategies through sensitivity analysis

Sensitivity analysis will provide an initial view of the potential reduction in exposure associated with each of the identified improvement actions, prioritised according to their potential quantitative impact







Reducing Costs of Risk Management

An integrated systems approach ensures that all relevant risk and resilience data is stored in one place, thereby providing a cost effective solution to support minimising operational interruption and additional costs of working







Articulating value from risk management can extend to direct and indirect benefits

Direct benefits

- Cost efficient and pragmatic strategies to reduce the Value at Risk
- Prioritised view of key risk drivers and underlying root causes
- Ability to pro-actively monitor early indicators of emerging risks
- Robust estimate of the financial impact of risk scenarios to inform decision making
- Business case for improvement actions through sensitivity analysis
 demonstrating their potential VaR reduction
- Identification of potential opportunities to streamline risk management
 processes and reduce associated costs
- Potential reduction in insurance premiums
- Identification of weaknesses within existing controls

Indirect benefits

- Increase customer satisfaction
- Improved brand equity
- Improved credit rating
- Reduced earnings volatility

Total Cost of Risk optimisation and bottom line growth





Final Thoughts

- Good practice suggests that driving maturity / progress in risk management benefits from a well regarded model and excellent relationship between regulator and regulated parties. Self assessment requires honesty and openness, and willingness to adapt
- **Organisational culture** is at the heart of risk management maturity and should always be considered in any assessment
- The ability to provide *financial insight* against key risks is important to achieving key stakeholder attention and commitment
- A methodology should be developed that will be able to demonstrate tangible benefits from effective risk management
- Efficiencies can be developed through the use of *effective software systems* that can help to integrate risk prevention, business continuity and assurance functionality
- An *improved balance* between risk retention, risk management and risk transfer (insurance) is key to help drive business performance







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Supporting backup slide example: Financial Services - Risk Maturity (simplified)



MATURITY: Risk Maturity is an aggregate of Residual Risk and denotes how well the firm is managing both each business horizontal and each principal risk vertical.

Where :

Inherent Risk x Effectiveness of controls = Residual Risk

COMMUNICATION:

The vertical and horizontal aggregation communicate alignment with the Governance:

- Vertical identifies the residual risk in the Principal Risk Exposure, which is utilised by Second Line to review policies' effectiveness and exposures.
- Horizontal: identifies exposure of each business line and its reporting structure by following the Individual Accountability Regime.

EVOLUTION:

From the risk maturity assessment, consequent remediation or improvements are initiated and logged as "Issues". A year on year improvement can consequently be tracked as the firm evolves or risk appetite is adjusted.



Risk and Control Self Assessment (very simplified)



The rating (red/amber/green in the simplified example) indicates the residual risk vs risk appetite. To be noted that each vertical is segmented into each L2/3/4 risks and the associated thousands of controls these entail. Controls tested, as a minimum, annually. *Note: Some controls will mitigate multiple risks and can be allocated on a primary/secondary basis.*



