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Practical Guide of Operation Risk Management: From Practitioners' Perspective

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Agenda



- Introduction of Operational Risk
- Risk Categories
- Quantifying Risks
- Recording Data and Setting Up System
- Managing Risk
- Decision Making
- Lessons Learned
- Summary



Operational Risk : What is it?

- Part of the risk considered under ORSA
- Risk of loss resulting from inadequate or failed <u>internal</u> processes, people and <u>system</u> or from <u>external</u> events
- In a nutshell, things that can go wrong when running a company.
 - Issues not associated with insurance events or investment events
 - Lead to lose of Money





Risk Categories : what can go wrong?

- Internal
 - Fraud
 - System Failures
 - Execution, delivery and process management
 - Clients, products and business practice
 - Employment practice and work safety
- External
 - Damage to physical asset
 - Fraud
 - Political



Recording Data and Setting Up System EAAC

- Internal "claim" system
 - Claim reporting
 - Help desk with people to answer the phone
 - Web/app access reporting
 - Case handlers
 - "Claim" recording
 - "Event" needs to be reported, case file created, processed as if it is an insurance claim
 - Reference number, occurrence date, type of claim, claimant, location, loss amount...etc.
 - Once claims are coded and recorded consistently, they can be analyzed.



Quantifying Risks : If you can't measure it, you can not manage it



- What is risk?
 - "Potential" to a loss, not loss itself
 - Uncertainty
 - Ultimately, needs to have monetary impact
- Need to convert risk into numbers.
 - Standard deviations
 - Variance
 - Economic Capital
 - Others





Use of the data : what to do with the data?

- Calculate risk indicators
 - Occurrence of certain events may change the likelihood of loss occurrence
- Monitoring company's risk profile
- Monitoring the results of risk management initiatives
- Capital charge calculation
 - Models, severity, frequency, correlations among risks...etc





Decision Making : What actions to take?

- Change internal process
- Change internal audit focus
- Change department structure
- Change responsibility of employees
- Change operating policies
- Develop risk policies





short-cut: how to start?

- The most common areas to focus
 - People
 - Internal, external
 - System
 - Claim
 - Cash flow related
 - Underwriting
 - Others
 - Property



Reporting : how to communicate?

- To board and senior management
 - Part of an overall report that looks at various company risk including operation risk
 - Risk profile report or risk dashboard report
- To risk owners
 - Assessment of risk compliance





Implementation : who to do what?

- 3 lines of defense
 - Risk owners need to comply with relevant policies/guidelines
 - Risk management/ Compliance department need to ensure risk owner comply with risk management policies/guidelines
 - Internal Audit (part of board) provide independent review
 - Report goes to the board
 - Not operation risk specific





Lessons Learned : what not to do

- Things Not to do in an internal operating guideline:
 - Qualitative requirement
 - You need to do this **appropriately**.
 - Things that does not require physical activity
 - **Think** about capital requirement when designing a policy.
 - Vague requirement
 - You **may** want to check with market practice.
 - Based on hypothetical situation
 - If there is an issue, then you need to review.
 - Things without an owner
 - Actuary needs to be notified if there is a problem.
 - Does not define time requirement
 - Actuary to conduct an operation risk management review, as needed.
 - Promise for the future
 - Actuaries need to set up an operation risk system in the future (or next 3 to 5 years).



Summary



- Operation risk is looking at what can go wrong when running a company.
 - People, system and property are three key areas to look at.
- Internal "claim system" for company
- Part of the enterprise risk management
 - Implemented, reported and managed with other risk

