





Nowadays companies are confronted by multiple threats. Risk threatens entire enterprises, not just business units, programs or processes. The variety of challenges nowadays is much more complicated than what companies previously faced. In order to respond effectively, organizations need an integrated view on how to identify and manage their significant risks. By implementing Enterprise Risk Management (ERM), organization could achieve this feat and improve value creation. ERM helps organizations manage risk from strategy setting phase up into the execution. It gives organizations a wide view on the risks and its mitigation plans and how they interconnect through its tools, templates and communication that is applied across the organizations. By consistently aligning ERM with strategic priorities and initiatives, it can provide the greatest benefits to the organization.

Improve your ERM efficiency through technology implementation

Implementation of technology into the ERM program will enhance the effectiveness of your risk management function. Through development of technology we can semi automate/automate the manual process of organization, for example is by automatically collecting, consolidating and formatting data to improve the organization's reporting process effectiveness. At higher level, technology may help the organization to identify, collect and analyze the risk and prepare responses to risk scenarios by involving big data, analytics, Enterprise Resource Planning (ERP) and Governance, Risk and Compliance (GRC) systems. This may support the organization to have better awareness on risk and improve decision making.

Typical issues and challenges

- How does ERM affect my company's strategy?
- What are my company's risks?
- Are risks identified, assessed and addressed for each strategic initiative?
- Does my company have a risk appetite statement?
- How effective is my risk governance framework?
- How can the desired risk culture be established and integrated into my company?

Benefits of an effective and focused ERM program

- Alignment of forward-looking risk profile with organization's strategic goals, objectives and performance
- Greater integration of risk management into business decision-making
- Improved risk and performance information availability, timeliness and transparency
- Reduces risk of surprises, fines and/or penalties
- Enhanced value through effective risk taking in pursuit of opportunity

Why PwC?

- 1. We have experience in assisting and consulting ERM implementation for various industries
- 2. Our globally proven methodology, approaches and work-plans have been tested and give high-value services
- 3. Certified local team supported by global network of professionals who are experienced and credentialled in risk management and compliance
- 4. PwC served as principal authors of the COSO Enterprise-Wide Risk Management Framework, 2004. And we're leading the development of COSO's revision in 2016: ERM Enterprise Risk Management-Aligning Risk with Strategy and Performance



PwC's ERM Framework

Our globally proven methodology provides an end-to-end solution to build or enhance your ERM practice. Our ERM framework is made up of series of building blocks that can be organized into flexible combinations to provide the right solution for your ERM program.





PwC Capabilities

Service Offering	Description of Service Performed
ERM maturity assessment	 Thorough review to understand your current state of your overall risk management activities Develop detailed recommendations for enhancing efficiency and effectiveness of your ERM program/organization Develop Road Map to improve current ERM practice to reach the expected maturity state
ERM Establishment and Technology	 Define governance structure of your ERM function Develop risk management Charter, policies and procedures Determine appropriate risk appetite and risk tolerances Document communication protocols Develop roadmap for implementation Advice on an ERM tool/technology to support the ERM framework Develop dashboards Prepare and present customized ERM training
Risk Identification and Implementation Monitoring Assessment Workshop Assisstance	 Facilitate and develop universe of risks for the organization Define risk assessment process and criteria Identify strategic and operational risks by utilizing top-down and bottom up methodology approach Develop mitigation plans for the identified risks Define risk mitigation monitoring and reporting framework
Risk Training	Prepare and present customized training related to ERM, covering ERM overview, ERM business strategy (risk strategy, risk appetite and risk profile) and ERM business management (risk governance, risk monitoring and reporting and risk culture)

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