# RISK ANALYSIS



PLAN-TO-PERFORM BLUEPRINT A WEB-BASED PROCESS FOR ASSESSING BUSINESS RISK

A COGNOS INNOVATION CENTER ENTERPRISE PLANNING APPLICATION BRIEF

# **EXECUTIVE SUMMARY**

This application brief demonstrates best practices for analyzing various external and structural risks to corporate performance using Cognos Planning. Business risk in the scope of this *Blueprint* includes: Financial, Company Liability, Management, Brand, Competitor, Customer, Industry, Project, Stagnation, and Technology. Implementing this *Blueprint* will enable forward-looking visibility into both divisional and corporate risk analysis. The *Risk Analysis Blueprint* takes planning to a new level by enabling the corporation to analyze and assess risks associated with future performance and to quantify mitigation strategies.

The *Blueprint* and processes described here are generic for risks in any US industry and can be readily configured to support the complexity of risk requirements for any industry across numerous countries.



#### **OVERVIEW**

Whether undertaking an annual operating plan or a rolling forecast process, few companies challenge business managers to assess the risks associated with their assumptions, the consequent bottom-line impact should these assumptions prove inaccurate, and the possible strategies to mitigate the consequences.

#### **RISK PLANNING**

The *Risk Analysis Blueprint* enables corporations to challenge business managers to assess the level of risk associated with their business plans and assumptions. Business risk is categorized by risk type such as Financial Risk, Brand Risk, and Customer Risk, which are then further divided by risk type such as Currency Risk under the Financial Risk category—one particular division may have a greater risk to currency fluctuations than another, due to a higher level of overseas earnings.

#### **BLUEPRINT OBJECTIVES**

The following planning, budgeting, and forecasting objectives are achieved using the Risk Analysis Blueprint:

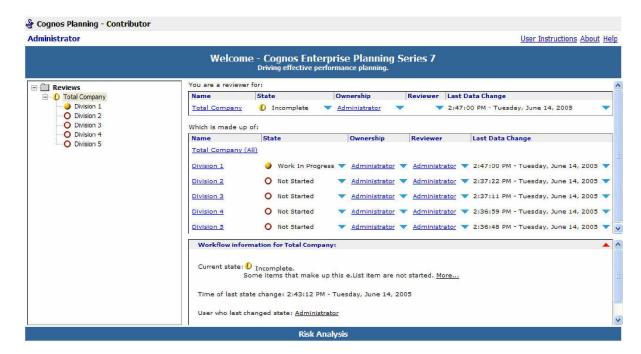
- Analyze risk by division across risk categories.
- Suggest mitigation strategies and the costs associated with those strategies.
- Aggregate risk by sub category at the corporate level.

# **KEY COGNOS PLANNING BENEFITS**

- Flexible and powerful model development. The Cognos Analyst component supports any business planning model or customization of the *Risk Analysis Blueprint*.
- Web-based deployment of models for process workflow, data collection, and consolidation.
  - Real-time workflow.
  - Real-time aggregation.
  - Real-time calculations in the browser for immediate results.
  - Industry leading what-if features for the most accurate plans, budgets, and forecasts.
- Scalable architecture with proven deployments to thousands of users.
- Easy links to financial and operational plans facilitating cross-enterprise collaboration.
- Ensured plan accuracy using form-based planning with selection boxes to drive application logic and calculations.

#### **HIERARCHY**

It is likely that risk analysis would be done at the divisional level, since different divisions have different risk profiles. It is unlikely that risk analysis would be done at the departmental level.



#### REPRESENTATIVE WORKFLOW

The *Risk Analysis Blueprint* is designed to be used by individuals in Finance or Risk Management organizations who are responsible for assessing business risk.

The following sections describe how a risk manager might conduct a risk analysis.

# **FINANCIAL RISK**

The first tab, *Financial Risk*, details different types of financial risk that may impact a corporation's performance, including:

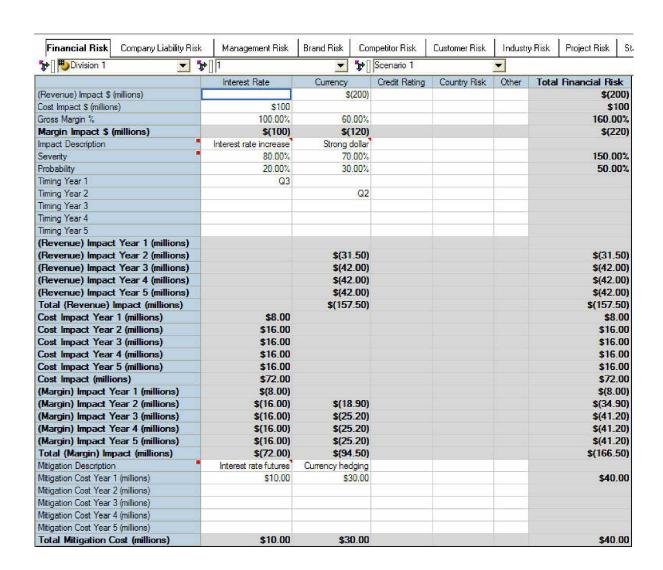
- Interest rate
- Currency
- · Credit rating
- Country exposure
- Country risk

The risk calculation starts with the revenue or expense stream impacted. The margin impact is then entered along with its description, its severity (the amount of the revenue or cost stream impacted) and its probability (the likelihood that the risk will occur).

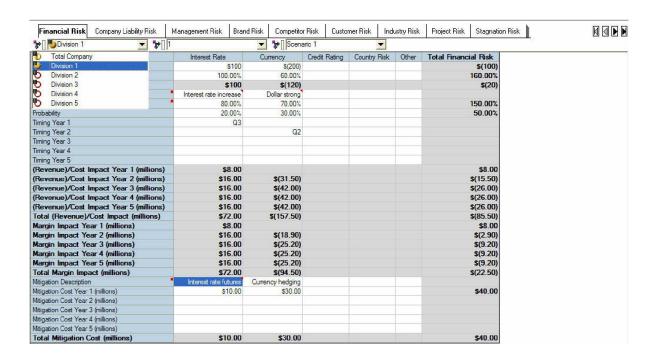
The start of the impact is entered by quarter and is extrapolated out five years. Thus, if the impact started in Q1 of Year One, the impact would occur for five years. Simliarly, Q1 of Year Two would mean the impact would occur for four years.

The appropriate mitigation cost estimate and description is entered at the bottom of the tab.

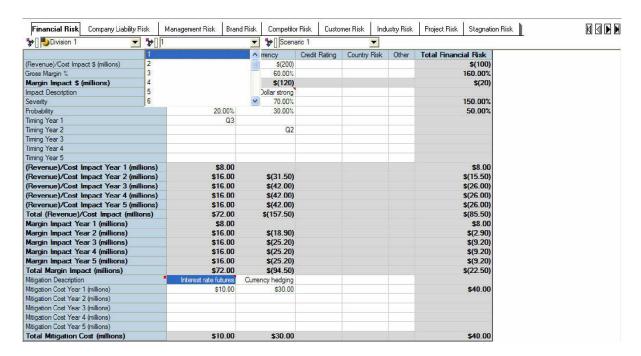
This same methodology is applied to the other Financial Risk elements (Country Risk, etc.) across the tab; and the *Total Financial Risk* is summarized along the right side column.



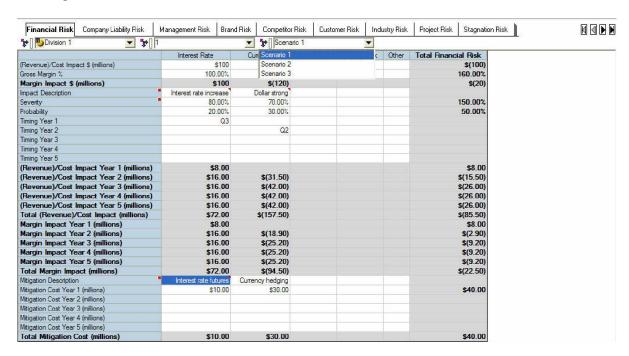
At the corporate level, the role-up of each division's risk assessment can be seen.



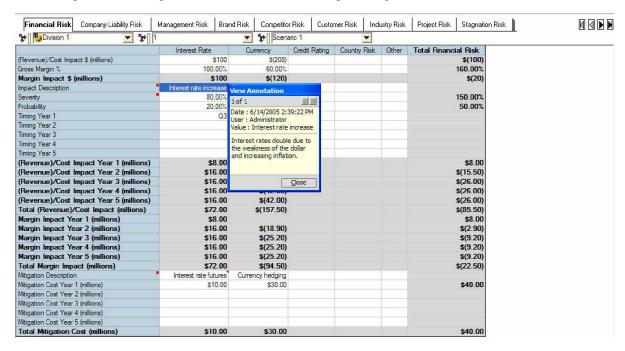
Each risk category can include as many as 20 different impacts.



Each impact can have three scenarios.



The description of risk impact can be further elaborated upon using cell annotations.



## OTHER BUSINESS RISKS

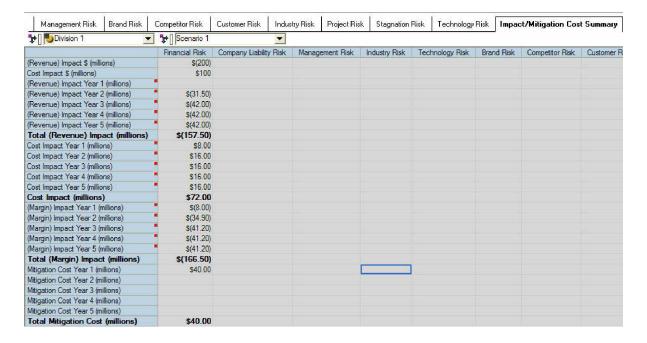
The other tabs identify risk associated with:

- Company liability
- Management
- Brand
- Competitor
- Customer
- Industry
- Project
- Stagnation
- Technology

The analysis for these risks follows the same methodology described above.

## **IMPACT SUMMARY**

The last tab consolidates and summarizes the impact of all the business risks.



# **ABOUT THE COGNOS INNOVATION CENTER** FOR PERFORMANCE MANAGEMENT The Cognos Innovation Center is dedicated to transforming routine performance management practices into "next practices" that help cut costs, minimize risk, streamline processes, boost productivity, enable rapid response to opportunity, and increase management visibility.