

11 - Risks

Planning

11.4 - Perform Quantitative Risk Analysis

Risk management plan

Risk Management Plan
 Roles & Responsibilities
 Risks Analysis Definitions
 Timing for Reviews
 Probability & Impact
 Methodology
 Timing
 Budgeting
 Categories

+ Positive Risks or Opportunities
 Exploit - Enhance - Share - Accept +

- Negative Risks or Threats
 Avoid - Transfer - Mitigate - Accept +

Cost management plan

Budget	Period 1	Period 2	Period 3	Period 4
Personnel	30	35	30	40
Equipment	10	50	5	20
Expenses	5	10	10	15
Travel	10	15	10	15
Training	5	5	5	5
Other	10	10	15	20
Total	70	125	75	115

Schedule management plan

Risk Register (11.2)

Category	Description	Impact	Priority	Owner	Status
Technical	Software development delays	High	High	John Doe	Open
Financial	Equipment cost overruns	Medium	Medium	Jane Smith	Open
Human Resources	Key personnel leaving	High	High	Mike Brown	Open
Legal	Contract disputes	Medium	Medium	Sarah White	Open
Operational	Supply chain issues	Medium	Medium	David Green	Open
Compliance	Regulatory changes	Low	Low	Emily Black	Open

Enterprise / Organization

Enterprise Environmental Factors

Organizational Process Assets

Inputs

T&T

Data gathering and representation techniques

Interviewing

Probability distribution

3 Points analysis
 Optimistic Pessimistic Most likely

Quantitative risk analysis and modeling techniques

Sensitivity Analysis

Tornado diagram

Expected monetary value analysis

Modeling & simulation
 Monte Carlo analysis

Expert judgment



To numerically analyze the effect of identified risks on overall project objectives.

Outputs

Project documents updates

