

Software requirements and risk management

Chapter 32

Elements of Risk Management

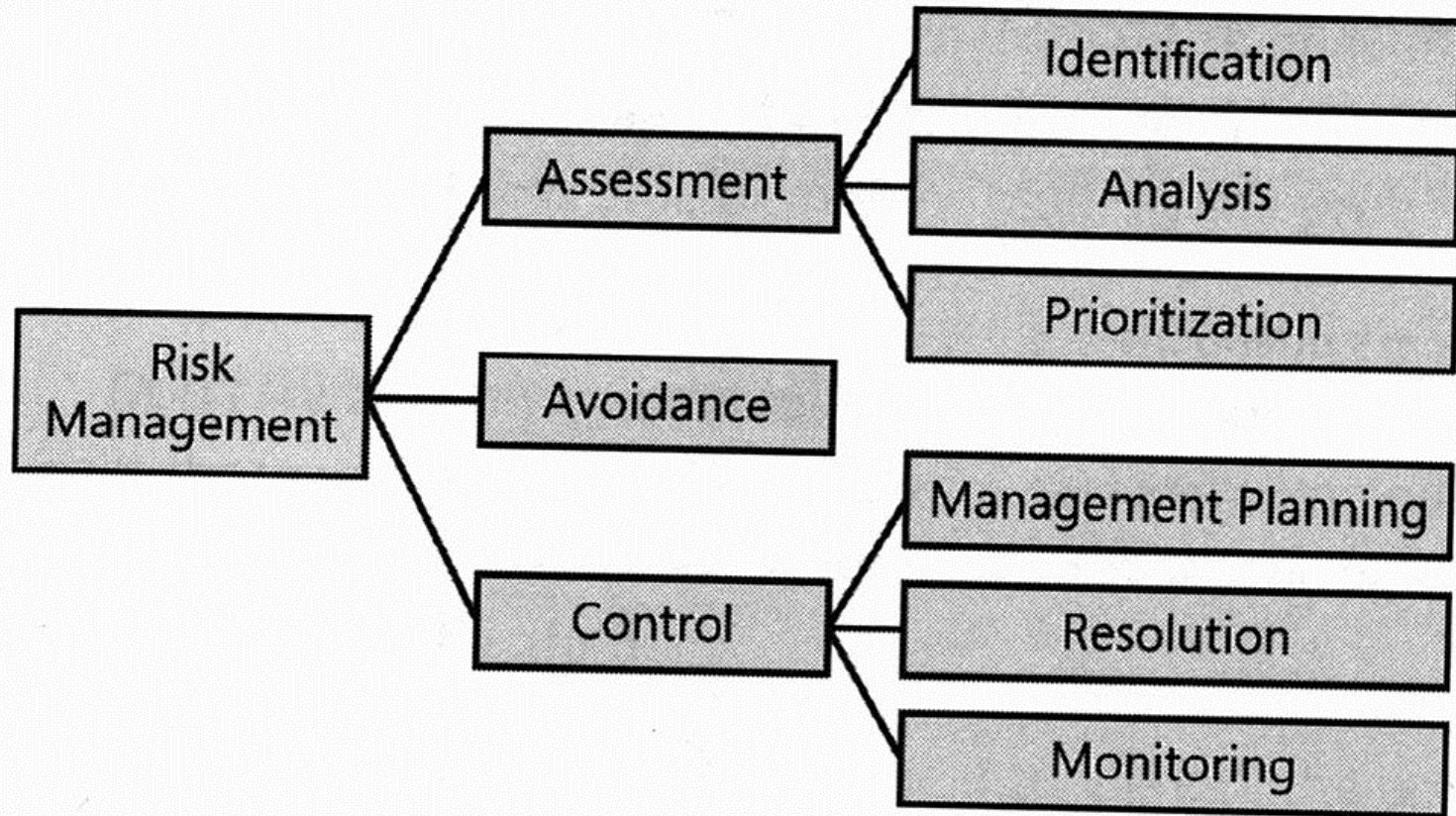


FIGURE 32-1 Elements of risk management.

Risk Report Template

ID:

<sequence number>

Submitter:

<individual who brought this risk to the team's attention>

Date Opened:

<date the risk was identified>

Date Closed:

<date the risk was closed out>

Risk Statement:

<statement of the risk in the form "condition-consequence">

Scope of Impact:

<project teams, business areas, and functional areas the risk could affect>

Probability:

<the likelihood of the risk becoming a problem>

Impact:

<numerical rating of the potential damage if the risk does become a problem>

Exposure:

<probability multiplied by impact>

Risk Management Plan:

<one or more approaches to control, avoid, minimize, or otherwise mitigate the risk>

Contingency Plan:

<course of action to follow if the risk management plan is not effective>

Owner:

<individual responsible for resolving the risk>

Date Due:

<date by which the mitigation actions are to be implemented>

Sample Risk Item

ID: 1	Submitter: Yuhong Li	
Date Opened: 8/22/13	Date Closed: (open)	
Risk Statement: If we have insufficient user involvement in requirements elicitation, then we might need to perform extensive user interface rework after beta testing.		
Scope of Impact: Could affect entire system, including any customizations done on integrated COTS components.		
Probability: 0.6	Impact: 7	Exposure: 4.2
Risk Management Plan: <ol style="list-style-type: none">1. Specify usability requirements during early elicitation activities.2. Hold facilitated workshops with product champions to develop the requirements.3. Develop a throwaway mock-up prototype of core functionality with input from product champions.4. Have members of several user classes evaluate the prototype.		
Contingency Plan: Bring in an expert usability consultant to ensure that the UI conforms to established best practices for human-computer interface design.		
Owner: Reina Cabatana	Date Due: 2/13/14	

FIGURE 32-3 Sample risk item from the Chemical Tracking System.