

## Risk Mitigation Monitoring and Management Activity

1. Determine the risks the need to be considered when developing the ATM system. Consider each the categories below.
  - Project risks
    - threaten the project plan
  - Technical risks
    - threaten product quality (performance, functionality, maintenance) and the timeliness of the schedule
  - Business risks
    - threaten the viability of the software (market risks, strategic risks, management risks, budget risks)

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2. Determine the consequences of each risk (performance, cost, support, schedule) and classify them using the tables below.

CATEGORY \ COMPONENTS		PERFORMANCE	SUPPORT	COST	SCHEDULE
CATASTROPHIC	1	Failure to meet would result in mission failure		Failure results in increased costs and schedule delays with expected values in excess of \$500K	
	2	Significant degradation to non-achievement of technical performance	Non-responsive or unsupportable software	Significant, financial shortages, budget overrun likely	Unachievable delivery date
CRITICAL	1	Failure to meet the requirement would degrade system performance to a point where mission success is questionable		Failure results in operational delays and/or increased costs with expected value of \$100K to \$500k	
	2	Some reduction in technical performance	Minor delays in software modifications	Some shortage of financial resources, possible overruns	Possible slippage in delivery date

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CATEGORY \ COMPONENTS		PERFORMANCE	SUPPORT	COST	SCHEDULE
MARGINAL	1	Failure to meet the requirement would result in degradation of secondary mission		Costs, impacts, and/or recoverable schedule slips with expected value of \$1K to \$100K	
	2	Minimal to small reduction in technical performance	Responsive software support	Sufficient financial resources	Realistic, achievable schedule
NEGLIGIBLE	1	Failure to meet the requirement would create inconvenience or nonoperational impact		Error results in minor cost and/or schedule impact with expected value of less than \$1K	
	2	No reduction in technical performance	Easily supportable software	Possible budget underrun	Early achievable date



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4. Determine the probability for each risk and add the probabilities to the risk table.

Likelihood level	Score
Very low	0-20
Low	21-40
Medium	41-60
High	61-80
Very high	81-100

5. Determine which risks need further refinement using the table below and mark them in the table.

Magnitude of impact	Impact definition	Score	Rating
High impact / High probability	<b>Very high</b> They are the biggest risks that entrepreneurs should pay attention.	5	A
High impact / Medium probability Medium impact / High probability	<b>High</b> These risks have either a high probability of occurrence, or a significant impact	4	B
Medium impact / Medium probability	<b>Medium</b> There is a medium chance that the risks appear noticeable impact.	3	C
Medium impact / Low probability Low impact / Medium probability	<b>Low</b> These risks can occur in some situations and have a low to medium impact.	2	D
Low impact / Low probability	<b>Insignificant</b> There are risks with low probability of occurrence and low impact. Can therefore be neglected.	1	E

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6. Complete a Risk Information Sheet (RIS) for your most significant risks.

Risk Information Sheet			
<b>Risk ID:</b>	<b>Date:</b>	<b>Probability:</b>	<b>Impact:</b>
<b>Description:</b>			
<b>Refinement/context:</b>			
<b>Mitigation/monitoring:</b>			
<b>Management/contingency/trigger:</b>			
<b>Current status:</b>			
<b>Originator:</b>			<b>Assigned:</b>