Risk Assessment Scoring

The risk rating is based on a 5 x 5 matrix with five levels of risk (i.e. very low, low, medium, high, and very high). The matrix presents examples of risk likelihood rankings, and risk consequence rankings for issues relating to health and safety, environment, quality, delivery, cost, programme. They should all be customized to match your organization's individual risk thresholds. Each risk should be evaluated and scored, using the risk register, in accordance with the defined risk parameters identified below. The goal is to identify the 'high' and 'very high' priority risks and focus risk mitigation resources on them as the risk management programme evolves over time.

Likelihood Criteria

Score	Likelihood	Percentage	Probability
1	Very Low	<0.1%	1 in 1,000
2	Minor	1%	1 in 100
3	Medium	1-49%	Less likely than 50/50
4	High	50-94%	More likely than not
5	Very High	>95%	Almost certain

Impact Criteria

Score	Impact	Health & Safety	Environment	Quality	Delivery Schedule	Capital Cost	Programme
1	Very Low	Non-reportable accident or injury.	No measurable environmental impact or harm. No corrective action required.	Non-compliance with standard or procedure that can be managed. Requires minor rework to bring into full conformity	Minimal, or no impact	Minimal, or no cost	Minimal, or no impact
2	Minor	Reportable minor injury. Multiple non reportable minor injuries.	Environmental impact confined to site. No significant harm but corrective action required.	Developed component or system may not receive approval through assurance process. Requires significant rework to bring into full conformity.	Minor impact. Internal schedule slip. Still able to meet original schedule and quantity.	Cost increase of < 5%	1-4 weeks
3	Medium	Major injury/illness. Multiple reportable minor injuries.	3rd Party impact. Short term environmental impact but no significant harm.	Failure of manufacture or construction of approved component or system to meet design or specification. Extensive rework or remake. Cannot be reworked to meet conformity requirements. Requires customer concession.	Requires minor schedule (< 30 days) or quantity concession from customer.	Cost increase of > 5%	2 months
4	High	Single Fatalities. Multiple major injuries.	Significant harm to environment that is repairable. Breach of legislation.	Failure of a major component or system leading to rejection. Multiple scrapped parts. Multiple parts require repair to restore to acceptable condition. Requires customer approval.	Requires major schedule (> 30 days) or quantity concession from customer. Minor impact to Customer production schedule, customer required milestones.	Cost increase of > 10%	3 months
5	Very High	Single or multiple fatalities	Significant harm to environment that is permanent or has long term effects.	Catastrophic failure of a major component or system to function in either temporary or permanent condition. All parts scrapped. Unable to produce conforming parts. Unable to obtain required materials or services.	Unable to deliver parts. Major impact to customer production or program schedule.	Cost increase of > 20%	More than 3 months

Risk Assessment Scoring

Score	Exposure	Management Control Action (MCA)
1 to 4	Very Low	No mitigation, no action is required, the risk is ALARP. Monitor to ensure that the risk remains tolerable at this level.
5 to 8	Minor	Maintain assurance that the risk remains tolerable at this level. Monitor and manage using routine procedures, unlikely to need specific application of resources (managers and key staff).
9 to 12	Medium	Tolerable if the cost of reduction would exceed the improvement gained. Mitigate through management by specific reviews and monitoring of procedures (Managers) but regular monitoring should occur.
13 to 16	High	Tolerable only if risk reduction is impractical or if cost is disproportionate to the improvement gained. Mitigate by implementing controls to reduce the risk to ALARP. Where this cannot happen, continual monitoring should occur.
17 to 25	Very High	Intolerable, the risk cannot be justified, except in extraordinary circumstances. Mitigate by ceasing all related activities.

SAMPLE

Risk & Opportunity Register — Dashboard

Auto-generated summary from the Risk & Opportunity Register sheet. The Dashboard sheet provides a single-page summary of the entire register, including total entries, risk/opportunity split, status counts (Open, In Treatment, Monitoring, Closed), exposure breakdown for both pre-control and post-control scores, risk movement summary (Reduced/Unchanged/Increased), and average pre/post scores. Use this sheet as a management review input.

Total Entries	Risks	Opportunities	Open	In Treatment	Closed
27	18	9	5	9	8

Pre-Control Exposure

Very High	4
High	3
Medium	6
Minor	6
Very Low	8

Post-Control (Residual) Exposure

Very High	0
High	0
Medium	2
Minor	5
Very Low	20

Risks by Process

Quality Assurance	1
Business Planning	3
Sales & Marketing	3
Operational Planning	3
Business Review	2
Improvement	1
Orders & Quotes	2
Design	2
Manufacturing	1
Inspection & Testing	2
Packing & Shipping	1
Customer Service	2
HR & Training	2
I.T. & Doc Control	1
Facilities	1

Average Pre-Control Score

9.5

Average Post-Control Score

3.7

Average Reduction

5.8

Highest Residual Score

12

Internal vs External

Internal	15
External	12

Risk Movement After Controls

Reduced ↓	27
Unchanged →	0
Increased ↑	0

Status Breakdown

	Risks	Opps
Open	4	1
In Treatment	6	3
Monitoring	2	3
Closed	6	2

Review Status

Reviews overdue	**19**
Reviews due in 30 da	**4**

SAMPLE