

# IT Risk Assessment Document

**ABC PVT LTD**

**Corporate Address**

ABC India Pvt Limited

ABC Towers

560037

Bangalore India

## Record of Revisions

*The following is a list of revisions made to this document.*

<b>Rev</b>	<b>Date</b>	<b>Pages Affected</b>	<b>Person Responsible</b>	<b>Signed Off By</b>
1	June 12, 2011	All	Anuj Sharma	Anuj Sharma

## **Introduction**

This document contains Risk Assessment details for the organization ABC Pvt Ltd. This risk assessment helps us to identify events that could adversely affect your organization. It includes potential damage that events could cause, amount of time needed to recover/restore operations, and preventive measures or controls that can mitigate the likelihood of the event's occurrence. This document will have the risk analysis of different Business Units in ABC Pvt Ltd., and act as an input to the risk mitigation process.

Business Unit Details

<b>Business Unit</b>	<b>Applications</b>	<b>People</b>	<b>Risk Assessment Spoke Contact</b>
<b>Production</b>	SAP	100	John Paul Email:- <a href="mailto:john.paul@abc.com">john.paul@abc.com</a> Contact:- 9999999999
<b>Operations</b>	SAP	50	John Paul Email:- <a href="mailto:john.paul@abc.com">john.paul@abc.com</a> Contact:- 9999999999
<b>Human Resources</b>	Employee Account Tracker	10	John Paul Email:- <a href="mailto:john.paul@abc.com">john.paul@abc.com</a> Contact:- 9999999999
<b>Finance</b>	Business By Design	10	John Paul Email:- <a href="mailto:john.paul@abc.com">john.paul@abc.com</a> Contact:- 9999999999
<b>IT</b>	Remedy , MS Exchange	20	John Paul Email:- <a href="mailto:john.paul@abc.com">john.paul@abc.com</a> Contact:- 9999999999

**Risk Analysis Matrix**

**Business Unit:- Production**

**Recommendations:**

*Need for the deployment of an antivirus with anti-spamming features*

*IT Web Access policies to be re-examined and drafted*

*Two Factor Password Authentication recommended*

***Risk Scale: High ( >50 to 100); Medium ( >10 to 50); Low (1 to 10)***

Threat	Likelihood (L) 1.0 High 0.5 Medium 0.1 Low	Impact (I) 10 Low 50 Medium 100 High	Risk = L x I
IT – System Software Crash	.5	100	50
IT – Applications Crash	.5	100	50
IT – Hardware Failure	.5	100	50
IT – Viruses	1	100	100
IT – Hacking, Unauthorized Intrusions	1	100	100
IT – Communications, Connectivity	.1	100	10
IT – Vendor Failure	.1	100	10
IT – Operational (Human) Error	.5	100	50
Utilities – Water	.1	50	5
Utilities – Sewage	.1	50	5
Utilities – Electricity	.1	50	5
Utilities – Gas	.1	50	5
Utilities – Steam	.1	50	5
Utilities – Communications	.1	50	5
Terrorism – Biological	.1	100	10
Terrorism – Chemical	.1	100	10
Terrorism – Radiological	.1	100	10
Terrorism – Nuclear	.1	100	10
Bomb Threat	.1	100	10
Criminal – Theft	.1	100	10
Criminal – Break-ins	.1	100	10
Criminal – Vandalism	.1	100	10
Criminal – Espionage	.1	100	10
Criminal – Hostages	.1	100	10
Work Action, Strike	.1	100	10
Civil Disorder	.1	100	10
Flooding – Internal	.1	100	10
Flooding – External	.1	100	10
Fire – Internal	.1	100	10
Fire – External	.1	100	10
Severe Storms	.1	100	10
Wind Storm	.1	100	10
Earthquake	.1	100	10
Tornado	.1	100	10
Hurricane	.1	50	10
Snow Storm	.1	50	10
Ice Storm	.1	50	10
Hail	.1	50	10
Drought	.1	50	10
Tsunami	.1	50	10

**Risk Analysis Matrix**

**Business Unit :- Operations**

**Recommendations:**

Need for the deployment of an antivirus with anti-spamming features .

IT Web Access policies to be re examined and drafted .

Two Factor Password Authentication recommended ..

***Risk Scale: High ( >50 to 100); Medium ( >10 to 50); Low (1 to 10)***

Threat	Likelihood (P)			Impact (I)	Risk = L x I
	1.0 High	0.5 Medium	0.1 Low		
IT – System Software Crash	.5			100	50
IT – Applications Crash	.5			100	50
IT – Hardware Failure	.5			100	50
IT – Viruses	1			100	100
IT – Hacking, Unauthorized Intrusions	1			100	100
IT – Communications, Connectivity	.1			100	10
IT – Vendor Failure	.1			100	10
IT – Operational (Human) Error	.5			100	50
Utilities – Water	.1			50	5
Utilities – Sewage	.1			50	5
Utilities – Electricity	.1			50	5
Utilities – Gas	.1			50	5
Utilities – Steam	.1			50	5
Utilities – Communications	.1			50	5
Terrorism – Biological	.1			100	10
Terrorism – Chemical	.1			100	10
Terrorism – Radiological	.1			100	10
Terrorism – Nuclear	.1			100	10
Bomb Threat	.1			100	10
Criminal – Theft	.1			100	10
Criminal – Break-ins	.1			100	10
Criminal – Vandalism	.1			100	10
Criminal – Espionage	.1			100	10
Criminal – Hostages	.1			100	10
Work Action, Strike	.1			100	10
Civil Disorder	.1			100	10
Flooding – Internal	.1			100	10
Flooding – External	.1			100	10
Fire – Internal	.1			100	10
Fire – External	.1			100	10
Severe Storms	.1			100	10
Wind Storm	.1			100	10
Earthquake	.1			100	10
Tornado	.1			100	10
Hurricane	.1			50	10
Snow Storm	.1			50	10
Ice Storm	.1			50	10
Hail	.1			50	10
Drought	.1			50	10
Tsunami	.1			50	10

**Risk Analysis Matrix**

**Business Unit :- Finance**

**Recommendations:**

*Need for the deployment of an antivirus with anti-spamming features .*

*IT Web Access policies to be re examined and drafted .*

*Two Factor Password Authentication recommended ..*

***Risk Scale: High ( >50 to 100); Medium ( >10 to 50); Low (1 to 10)***

Threat	Likelihood (L) 1.0 High 0.5 Medium 0.1 Low	Impact (I) 10 Low 50 Medium 100 High	Risk = L x I
IT – System Software Crash	.5	100	50
IT – Applications Crash	.5	100	50
IT – Hardware Failure	.5	100	50
IT – Viruses	1	100	100
IT – Hacking, Unauthorized Intrusions	1	100	100
IT – Communications, Connectivity	.1	100	10
IT – Vendor Failure	.1	100	10
IT – Operational (Human) Error	.5	100	50
Utilities – Water	.1	50	5
Utilities – Sewage	.1	50	5
Utilities – Electricity	.1	50	5
Utilities – Gas	.1	50	5
Utilities – Steam	.1	50	5
Utilities – Communications	.1	50	5
Terrorism – Biological	.1	100	10
Terrorism – Chemical	.1	100	10
Terrorism – Radiological	.1	100	10
Terrorism – Nuclear	.1	100	10
Bomb Threat	.1	100	10
Criminal – Theft	.1	100	10
Criminal – Break-ins	.1	100	10
Criminal – Vandalism	.1	100	10
Criminal – Espionage	.1	100	10
Criminal – Hostages	.1	100	10
Work Action, Strike	.1	100	10
Civil Disorder	.1	100	10
Flooding – Internal	.1	100	10
Flooding – External	.1	100	10
Fire – Internal	.1	100	10
Fire – External	.1	100	10
Severe Storms	.1	100	10
Wind Storm	.1	100	10
Earthquake	.1	100	10
Tornado	.1	100	10
Hurricane	.1	50	10
Snow Storm	.1	50	10
Ice Storm	.1	50	10
Hail	.1	50	10
Drought	.1	50	10
Tsunami	.1	50	10

**Risk Analysis Matrix**

**Business Unit :- Human Resources**

**Recommendations:**

Need for the deployment of an antivirus with anti-spamming features .

IT Web Access policies to be re examined and drafted .

Two Factor Password Authentication recommended ..

***Risk Scale: High ( >50 to 100); Medium ( >10 to 50); Low (1 to 10)***

Threat	Likelihood (L) 1.0 High 0.5 Medium 0.1 Low	Impact (I) 10 Low 50 Medium 100 High	Risk = L x I
IT – System Software Crash	.5	100	50
IT – Applications Crash	.5	100	50
IT – Hardware Failure	.5	100	50
IT – Viruses	1	100	100
IT – Hacking, Unauthorized Intrusions	1	100	100
IT – Communications, Connectivity	.1	100	10
IT – Vendor Failure	.1	100	10
IT – Operational (Human) Error	.5	100	50
Utilities – Water	.1	50	5
Utilities – Sewage	.1	50	5
Utilities – Electricity	.1	50	5
Utilities – Gas	.1	50	5
Utilities – Steam	.1	50	5
Utilities – Communications	.1	50	5
Terrorism – Biological	.1	100	10
Terrorism – Chemical	.1	100	10
Terrorism – Radiological	.1	100	10
Terrorism – Nuclear	.1	100	10
Bomb Threat	.1	100	10
Criminal – Theft	.1	100	10
Criminal – Break-ins	.1	100	10
Criminal – Vandalism	.1	100	10
Criminal – Espionage	.1	100	10
Criminal – Hostages	.1	100	10
Work Action, Strike	.1	100	10
Civil Disorder	.1	100	10
Flooding – Internal	.1	100	10
Flooding – External	.1	100	10
Fire – Internal	.1	100	10
Fire – External	.1	100	10
Severe Storms	.1	100	10
Wind Storm	.1	100	10
Earthquake	.1	100	10
Tornado	.1	100	10
Hurricane	.1	50	10
Snow Storm	.1	50	10
Ice Storm	.1	50	10
Hail	.1	50	10
Drought	.1	50	10
Tsunami	.1	50	10



**Risk Analysis Matrix**

**Business Unit :- Finance**

**Recommendations:**

Need for the deployment of an antivirus with anti-spamming features .

IT Web access policies to be re examined and drafted .

Two factor password authentication recommended ..

***Risk Scale: High ( >50 to 100); Medium ( >10 to 50); Low (1 to 10)***

Threat	Likelihood (L) 1.0 High 0.5 Medium 0.1 Low	Impact (I) 10 Low 50 Medium 100 High	Risk = L x I
IT – System Software Crash	.5	100	50
IT – Applications Crash	.5	100	50
IT – Hardware Failure	.5	100	50
IT – Viruses	1	100	100
IT – Hacking, Unauthorized Intrusions	1	100	100
IT – Communications, Connectivity	.1	100	10
IT – Vendor Failure	.1	100	10
IT – Operational (Human) Error	.5	100	50
Utilities – Water	.1	50	5
Utilities – Sewage	.1	50	5
Utilities – Electricity	.1	50	5
Utilities – Gas	.1	50	5
Utilities – Steam	.1	50	5
Utilities – Communications	.1	50	5
Terrorism – Biological	.1	100	10
Terrorism – Chemical	.1	100	10
Terrorism – Radiological	.1	100	10
Terrorism – Nuclear	.1	100	10
Bomb Threat	.1	100	10
Criminal – Theft	.1	100	10
Criminal – Break-ins	.1	100	10
Criminal – Vandalism	.1	100	10
Criminal – Espionage	.1	100	10
Criminal – Hostages	.1	100	10
Work Action, Strike	.1	100	10
Civil Disorder	.1	100	10
Flooding – Internal	.1	100	10
Flooding – External	.1	100	10
Fire – Internal	.1	100	10
Fire – External	.1	100	10
Severe Storms	.1	100	10
Wind Storm	.1	100	10
Earthquake	.1	100	10
Tornado	.1	100	10
Hurricane	.1	50	10
Snow Storm	.1	50	10
Ice Storm	.1	50	10
Hail	.1	50	10
Drought	.1	50	10
Tsunami	.1	50	10

**Risk Analysis Matrix**

**Business Unit :- IT**

**Recommendations:**

Need for the deployment of an antivirus with anti-spamming features .

IT Web Access policies to be re examined and drafted .

Two Factor Password Authentication recommended ..

***Risk Scale: High ( >50 to 100); Medium ( >10 to 50); Low (1 to 10)***

Threat	Likelihood (L) 1.0 High 0.5 Medium 0.1 Low	Impact (I) 10 Low 50 Medium 100 High	Risk = L x I
IT – System Software Crash	.5	100	50
IT – Applications Crash	.5	100	50
IT – Hardware Failure	.5	100	50
IT – Viruses	1	100	100
IT – Hacking, Unauthorized Intrusions	1	100	100
IT – Communications, Connectivity	.1	100	10
IT – Vendor Failure	.1	100	10
IT – Operational (Human) Error	.5	100	50
Utilities – Water	.1	50	5
Utilities – Sewage	.1	50	5
Utilities – Electricity	.1	50	5
Utilities – Gas	.1	50	5
Utilities – Steam	.1	50	5
Utilities – Communications	.1	50	5
Terrorism – Biological	.1	100	10
Terrorism – Chemical	.1	100	10
Terrorism – Radiological	.1	100	10
Terrorism – Nuclear	.1	100	10
Bomb Threat	.1	100	10
Criminal – Theft	.1	100	10
Criminal – Break-ins	.1	100	10
Criminal – Vandalism	.1	100	10
Criminal – Espionage	.1	100	10
Criminal – Hostages	.1	100	10
Work Action, Strike	.1	100	10
Civil Disorder	.1	100	10
Flooding – Internal	.1	100	10
Flooding – External	.1	100	10
Fire – Internal	.1	100	10
Fire – External	.1	100	10
Severe Storms	.1	100	10
Wind Storm	.1	100	10
Earthquake	.1	100	10
Tornado	.1	100	10
Hurricane	.1	50	10
Snow Storm	.1	50	10
Ice Storm	.1	50	10
Hail	.1	50	10
Drought	.1	50	10
Tsunami	.1	50	10