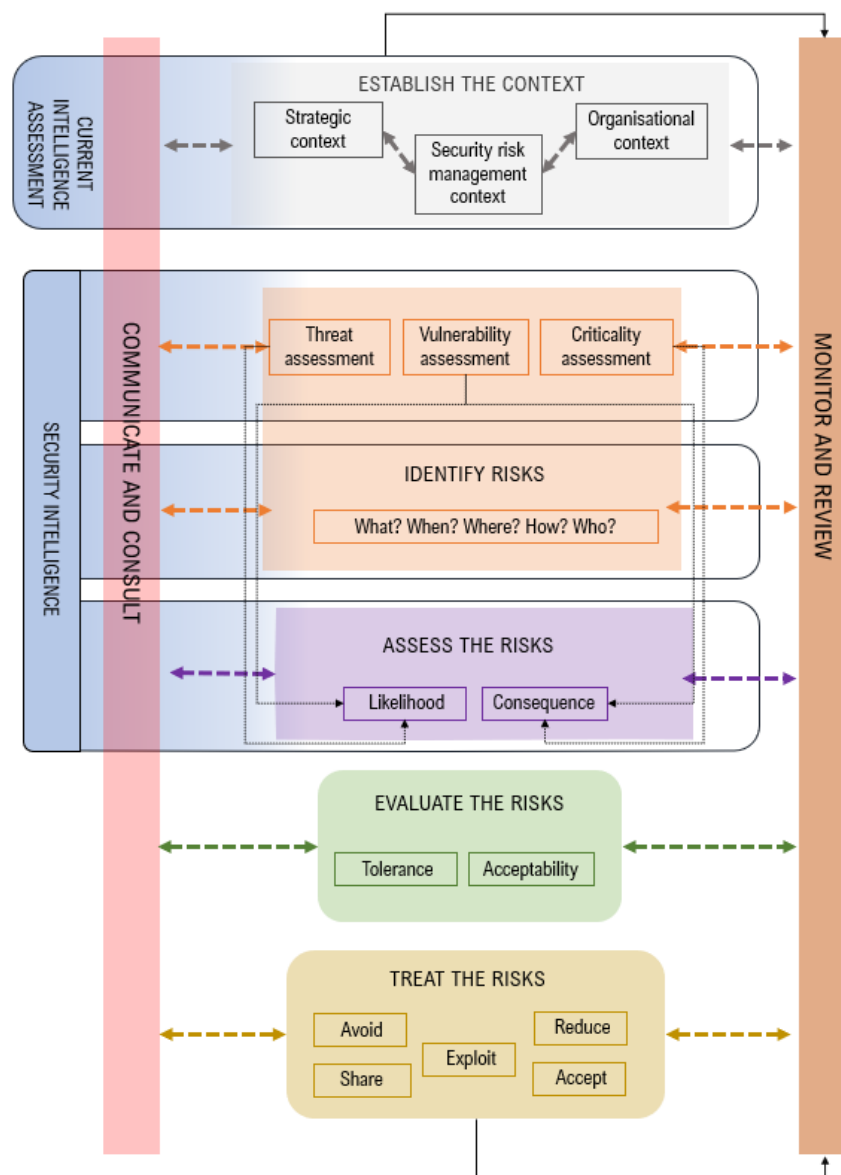


## THREAT AND RISK ASSESSMENT PROCESS

Threat and risk assessments will typically involve the following: (the process is not limited to the following and is dependent on specific requests)

THREAT RISK ASSESSMENT PROCESS		
STEP	ACTION	DESCRIPTION
1	Initial Assessment	Establish the strategic, operational and risk context
2	Asset Characterisation	Asset ranking and critical point identification
3	Threat Characterisation	Threat source identification and ranking, threat source characteristics and threat source scenario selection
4	Consequence Assessment	Scenario critical point, risk scenario consequence and consequence-based prioritisation
5	Vulnerability Assessment	Key aspect and performance vulnerability, performance-based vulnerability assessment, vulnerability to risk scenarios
6	Threat Likelihood Assessment	Specific threat capability, target attractiveness as well as threat likelihood and prioritisation
7	Risk Assessment	Completion of risk assessment



# RISK MATRIX

A risk assessment matrix is used to evaluate and prioritise risks based on the severity of their impact and likelihood:

			Consequence					
			Minor Skills Impact	Minor impact to capability	Unavailability of core skills affecting services	Unavailability of critical skills or personnel	Protracted unavailability of critical skills/people	
			Protracted unavailability of critical skills/people	Injury requiring treatment by medical practitioner	Minor injury/hospitalisation	Single death and/or multiple injuries	Multiple deaths	
			Compromise of information otherwise available in the public domain	Minor compromise of information sensitive to internal or sub-unit interests	Compromise of information sensitive to this organisation's operations	Compromised information sensitive to organisational interests	Compromise of information with significant ongoing impact	
			Minor damages or vandalism to asset	Minor damage or loss <5% of total assets	Damage or loss of <20% of total assets	Extensive damage or loss <50% of total assets	Destruction or complete loss of <50% of assets	
			Local mention only. Quickly forgotten. Freedom to operate unaffected. Self-improvement review required	Scrutiny by executives, internal committees or internal audits to prevent escalation. Short term local media concern. Some impact on local level activities	Persistent national concern. Scrutiny required by external agencies. Long-term "brand" impact	Persistent, intense, national public, political and media scrutiny. Long term "brand" impact. Major operations severely restricted	International concern, governmental inquiry or sustained adverse national/international media. "Brand" scientifically affects organisational abilities.	
			1% of project or organisational annual budget	2-5% of project or organisational annual budget	5-10% of project or organisational annual budget	>10% of project or organisational annual budget	>30% of project or organisational annual budget	
			Minimal impact on noncore business operations. The impact can be dealt with by routine operations	Some impact on business areas in terms of delays and system quality but can be dealt with at operational level	Impact on the organisation resulting in reduced performance, such as targets are not met. Organisations existence is not threatened, but could be subjected to significant review of change ways of operations	Breakdown of key activities leading to reduction in performance (e.g. service delays, revenue loss, client dissatisfaction, and legislative breaches). Survival of the project/activity/organisation is threatened.	Critical failure(s) preventing core activities from being performed. The impact threatens the survival of the project or organisation itself	
		Qualitative Likelihood	Quantitative likelihood	Insignificant	Negligible	Moderate	Major	Extensive
Likelihood	Is expected to occur in most circumstances	Has occurred on a annual basis in this organisation in the past, or circumstances are in train that will cause it to happen	Almost Certain	6	7	8	9	10
	Will probably occur in most circumstances	Has occurred in the last few years in the organisation or has occurred recently in other similar organisations or circumstances has occurred that will cause this to happen	Likely	5	6	7	8	9
	Might occur at some time	Has occurred at least once in the history of the organisation, or is considered as having 5% change of occurring in the next few years.	Possible	4	5	6	7	8
	Could occur at some time	Has never occurred in this organisation but has occurred infrequently in similar organisations or is considered to have a 1% change of occurring in the next few years	Unlikely	3	4	5	6	7
	May occur only in exceptional circumstances	Is possible but has not occurred to date in any similar organisation and is considered to have less than 1% chance of occurring in the short term.	Rare	2	3	4	5	6

<b>Very High</b>	<b>Immediate action required by by the executive with detailed planning, allocation of resources and regular monitoring</b>
<b>High</b>	<b>High Risk, senior management attention needed</b>
<b>Medium</b>	<b>Management responsibility must be specified</b>
<b>Low</b>	<b>Monitor and manage by routine procedures</b>
<b>Very Low</b>	<b>Managed by routine procedures</b>

END