

Abriska: Risk Assessment

User Guide

Ultima Risk Management Limited



Subject: Abriska User Guide		Author: Matt Thomas
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<u>Abriska</u>

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1.0 Setting up the risk assessment module

1.1 Risk assessment setup

1.1.1 Risk Variables

1.1.1.1 What are Risk Variables?

Abriska allows the risk methodology it uses to be tailored to an organisations specific requirement, by allowing different risk variables to be used to assess threats. For example, impact, likelihood, probability or proximity. URM will initially setup the product to utilise its own risk assessment methodology which can then be tailored to reflect an organisation specific risk appetite or any existing model.

ariables	Methodology
he followir	g table displays the components that make up risk - each threat will need to have a value decided on for each of these
ariables.	
Base Vari	able
- Likol	ibaad
 Likel 	o Vulnerability
	Probability
• Imp	ACC

Figure 1 - Risk variables

The explanation of the chosen methodology is available from the methodology tab (highlighted red in Figure 1 - Risk variables).

URM's methodology is as follows:

Likelihood – "the chance of something happening". This is made up of two factors:

- 1. Vulnerability This is a measure of how much control an organisation has over a potential threat occurring. If an organisation has strong controls in place to mitigate a threat, then this score will be low. However, if there are potential weaknesses or improvements that could be made then this score could be higher.
- 2. Probability This is a measure of any external factors that are outside of an organisations control. For example, a pandemic may be certain to happen within the next 2 years. The higher the probability, the more certain an event is to happen.

The default method for calculating a likelihood score is to average the two variables below.

Impact – "evaluated consequence of a particular outcome". This is made up from only one factor:

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1. Impact on resources – This is the direct impact inflicted on an organisation as a result of the threat occurring. For example, if a flood would result in destruction of assets then this impact would need to be quantified.

Note: URM can assist an organisation define a suitable risk assessment methodology.

1.1.2 Risk Appetite

1.1.2.1 What is the risk appetite?

BS 25999 defines risk appetite as the:

"total amount of risk that an organisation is prepared to accept, tolerate or be exposed to at any point in time"

Abriska uses a standard Red-Amber-Green (RAG) matrix to represent an organisations tolerance to any specific risks (shown in Figure 2 - Risk appetite). The risk appetite is viewable by clicking on "RA Setup" from the main organisation screen, then selecting "Setup Risk Appetite".



Figure 2 - Risk appetite

1.1.2.2 How to change the risk appetite

Individual cells within the risk matrix can be modified by clicking on the cell which will cause the cell to cycle through the available colours.

1.1.2.3 Adding new colours

Click "Setup Colours" displayed on the appetite matrix screen (shown in Figure 2 - Risk appetite) and a list of configured colours is displayed as shown in Figure 3 - Risk colours. To modify a colour, click on a coloured box (highlighted blue in Figure 3 - Risk colours) and a "colour picker" panel will appear (highlighted red in Figure 3 - Risk colours). Choose a new colour by using the scale and clicking the required colour shade. This will then change the colour of this tab. To delete a colour click the "delete" link associated with that colour.



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Colour id	Colour HEX		Risk Name	Delete
1	#00FF00		Negligible	delete
2	#FFFF00		Low	delete
3	#FFBF00		Medium	delete
4	#FF0000		High	delete
Colour id	Colour HEX		Risk Name	Delete
1	#00FF00		Negligible	delete
2	#FFFF00		Low	delete
3				delete
4		R 255 ‡	H 60 \$	delete
		G 255 ÷	S 100 ‡	

Figure 3 - Risk colours

1.1.3 Organisation Threats

1.1.3.1 What are threats and threat types?

Threat types are collections of threats which are interrelated. A threat is a potential risk that has a given likelihood of causing an impact to an organisation. To ensure a consistent approach, threats are considered at an organisation level, and risk assessments that take place must use this list.

To view organisational threats, click on "RA Setup" from the main organisation homepage, then select "Organisation Threats".

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Threat Reference	Threat Rame
	Business Related
8R1	Loss of Business/ Revenue/ Customers
882	Key Partner ar Contractor Failure
	Grammal/Terrorist Activity
ch	Vandalarp
CT2	Terroram
	Burniero
HUI	Protest
HU2	Industrial Action
HUB	Loss of Key Staff - individuals
	Human.lisalih
HH1	Infrictions Types Disease - Eacherns
HH2	Infectious Type Disease - Fandemic
	Infrastructure Failure
P1	modemante Sandy, of Treated Weter
F2	Eatlant of Utilities
F3	Eallies of Telecommunications
E4	failure at Applications Software
FE	Handware Ealura
17.5	10mg Malerman Costs

Figure 4 - Threat list

1.1.3.2 Adding new threat types

New threat types can be added by clicking on the "New Threat Type" link (highlighted red in Figure 4 - Threat list). Threat types are placeholders to group together threats and therefore only require a name.

1.1.3.3 Deleting threat types

Threat types can only be deleted when there are no threats attached to them. Click on a threat type that needs to be deleted and click "Delete Threat Type" from the left hand sidebar.

Warning: As a threat type can only be deleted when no threats exist, this is a firm delete operation.

1.1.3.4 Adding new threats

New threats can be added by clicking on the "New Threat" link (highlighted blue in Figure 4 - Threat list). As well as name, description and threat type, other attributes exist that need to be defined. Descriptions of each of these attributes are in Table 1 - Threat Attributes.

Threat Attribute Name	Description
Threat Reference	This is an organisation defined reference for the threat, there is not default but it is recommended that a logical naming scheme is used.

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Table 1 - Threat Attributes

The threat entry form is shown within Figure 5 - Threat form.

Threat Inform	ation	
Threat		
Threat Reference*	SH5	
Threat Name*	Internal Fire	
Threat Description		*
Threat Type	Structural Hazards	

Figure 5 - Threat form

1.1.3.5 Threat to resource mapping

Different threats only affect certain types of resources. For each threat that is entered into Abriska, it must be linked to each of the default resource types. This linking is shown within Figure 6 - Threat to resource mapping. To access this list, click on the "Link Threats to Resources" link as highlighted green in Figure 4 - Threat list.

	PC Manufacts	arer Demo Rescu	rces.			
Inveat	funioment	Information	People	Promises	Suppliers	Technology
		ustness Reteted				
BRI,Loss of Business/ Revenue/ Customers	*	*	*	*	1	*
BH2 Key Partner or Contractor Palure	*	×	*	20	1	*
	Crime	nal/Terrottel Activity				
CT1.Vandwism	*	*	*	1	×	1
CT2.Terrorien	*		1	1	*	×
		Human				11 12 11 12
HU1.Protout	*	*	1	22		
HU2 Industrial Action	*	*	1	1	*	*
HUS Loss of Key Staff - individuals		1	1			22

Figure 6 - Threat to resource mapping

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For each of the default resource categories (People, Premises etc.), a tick or cross will be shown against each threat. To edit this mapping, click on the category name at the top (Equipment, Information etc) and a form listing organisation threats will be displayed. Tick the checkboxes next to the required threats and "Submit".

Warning: This will delete the existing mapping and could therefore affect any risk assessment that has already been conducted. This is a firm delete operation.

1.1.3.6 Resource threat linking hierarchy

To allow an additional level of granularity to be added to this relationship, individual resources or resource sub-categories can have a customised threat linking. From the "Resource Threat Linking" page, click on the "Resource Hierarchy View" (highlighted red in Figure 6 - Threat to resource mapping). The resource hierarchy will be displayed (shown in Figure 7 - Customising the threat to resource mapping hierarchy).



Figure 7 - Customising the threat to resource mapping hierarchy

If a resource is modified to have a unique threat mapping, any child resource of that resource will inherit the parent's customised mapping.

1.1.3.7 Threat to control mapping

If a risk assessment is being used in conjunction with the control maturity assessment, each threat needs to be linked through to one or more controls. This mapping indicates that the chosen control helps to mitigate a threat by reducing its vulnerability. If no controls are linked to a threat, an error will be highlighted in red.

1.1.3.8 Threat attributes

If the impact variable is setup to calculate risk against the organisation attributes (i.e. Confidentiality, Integrity and Availability). The default values can be assigned at an organisation level. If values are assigned at this level, these will become default for each entity risk assessment unless specified at a division level.

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2.0 Conducting a risk assessment

The risk assessment focuses on the risks that are associated with a resource, and then links these risks to an activity that uses these resources. This allows a risk to be raised against a single resource but for it to map onto all of the activities that use it, this reduces the repeating of information.

Multiple risk assessments can be created and managed within Abriska. To allow groups of resources to be included within risk assessments, the concept of an "Entity" is used. An "Entity" is a risk assessment conducted against one or more groups of assets. For example, this could be all resources which from a single site, or all resources which are used by an activity, or just all resources that a are part of a single contact.



Figure 8 - List of entities

To view the organisations risk assessments, click on "Entities" from the organisation homepage. To modify the name, description, or to assign this entity to a contact, click on the entity name (highlighted red in Figure 8 - List of entities) then click "Setup Entity".

2.1 Entity Risk Assessment Flow

Abriska guides the users through an organisation defined workflow that meets the requirements of BS 25999. The default workflow is shown in Figure 9 - Activity flowchart.

Threat Identification Identify Vulnerabilities Impact, Likelihood and Duration	Link Res
Identify Vulnerabilities Impact, Likelihood and Duration	Threat Ide
Impact, Likelihood and Duration	Identify Vul
	Impact, Likelihoo

Figure 9 - Activity flowchart

The links available on the sidebar will increase depending on the work stage. All of the buttons that are available are shown within Figure 10 - Expanded entity sidebar.

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Figure 10 - Expanded entity sidebar

2.2 Identify resources

Resources need to be allocated to each entity to perform a risk assessment. Resources can be allocated to more than one entity to allow central resources to be included throughout organisation risk assessments.

To select resources for an entity, click "View Resources" after clicking the entity name (highlighted red in Figure 8 - List of entities). All available resources will be displayed with a filter to allow resources to be filtered by division. Select those that need to be included within this risk assessment by clicking the checkbox next to each resource name (highlighted red in Figure 11-Identifying resources).

London - Resource Setup
From the list below select the resources that will be included in this risk assessment.
Tick All Un-tick All
Filter Resources by Division
Collapse All Expand All
Equipment
🗹 Build List
🗹 CRM Data
Information
People
The second secon
The second secon

Figure 11- Identifying resources

Note: If resources are added after the risk assessment has been started, Abriska will require that each threat that is related to the newly added resources is reviewed.

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2.3 Threat identification

To enforce a level of consistency across each risk assessment that is conducted using Abriska, the same organisation threats list is considered each time. If one of the organisation threats is not applicable to a risk assessment (either it is outside of the scope of the assets/resources within the review or it is not a realistic threat) it can be excluded from the entity. To exclude a threat a justification must be provided.

If a threat is outside those that are linked to a resource associated with this entity, a default justification will be entered into these threats. If a threat is added that is not linked to any of the resources (see section 1.1.3.5 Threat to resource mapping), the threat will be highlighted red, as will the flowchart stage.

London - Threat Setup Not all threats may be applicable to each entity. To remove it either un-check it here and press submit or click on the indivdual threat to edit it. You must include a justification for why, of any threat that is excluded from the risk assessment. Tick All Un-tick All Ref Threat Name Attached Justification Business Related BR1 1 Loss of Business/ Revenue/ Customers N/A BR2 1 N/A Key Partner or Contractor Failure Criminal/Terrorist Activity CT1 Vandalism V N/A CT2 Terrorism 1 N/A Human HU1 Protest 1 N/A HU2 1 N/A Industrial Action HUS Loss of Key Staff - individuals NIZA

Figure 12 - Justify non-applicable threats

Note: If additional threats are added at any point, they will appear in this threat list and the risk assessment will be marked as not complete. The reason for this is newly identified organisational threats may need to be considered for this risk assessment.

2.4 Identify vulnerabilities

A vulnerability is:

"A weakness in a resource or group of resources that can be exploited by one or more threats"

Individual vulnerabilities need to be identified that might increase the organisation's exposure to certain threats,

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Return to Entity	Lon	idon - Vuli	nerability Setu	р			
Modify the Vulnerability Assessment	Addition vulner to iden Below	onal vulnerabilities ability library. Exis ntify additional vul is a list of curren	s can be identified by clicki sting vulnerabilities can be inerabilities. t vulnerabilities.	ng on the add vu viewed but no n	inerability button on the ew ones can be added p	left, or explore a cress 'Modily th	example vulnerabilities within th e Vulnerability Assessment'
		Vulnerability e	Vulnerability Name 0	Attached to + Threats	Vulnerability Type + Defined	Attached to + Resources	Current Max Risk Score
	٠	Vulnerability Reference	Vulnerability Name Ø	Attached to + Threats	Vulnerability Type + Defined	Attached to Resources +	Current Max Risk Score 🛛 🛛
	•	Vulnerability Reference v1 v2	Vulnerability Name	Attached to + Threats +	Vulnerability Type + Defined /	Attached to Resources +	Current Max Risk Score 0

Figure 13 - Vulnerability list

2.4.1 Adding vulnerabilities

Vulnerabilities can only be modified when the vulnerability assessment is unlocked. To do this, click "Modify the Vulnerability Assessment" (highlighted red in Figure 13 - Vulnerability list). Additional vulnerabilities can now be added by clicking the "Add vulnerability" link. Vulnerabilities can also be added from the Abriska "Vulnerability Library" which contains template examples of vulnerabilities. Once all of the vulnerabilities have been added, to progress onto the next stage of the risk assessment, click "Complete Vulnerability Assessment" (highlighted blue in Figure 14 - Vulnerability list – alternative buttons).

Return to Entity
Add Vulnerability
Vulnerability Library
Complete Vulnerability Assessment
View Resolved Vulnerabilities

Figure 14 - Vulnerability list – alternative buttons

When initially adding a vulnerability, only the name and description fields are required. The reference will be automatically generated by Abriska depending on the next available reference number. Once a vulnerability is added, it needs to be classified in terms of vulnerability type, what resources it is linked to, and which threats it affects. Each of these attributes is covered in the following sections.

Note: After a new vulnerability is added, each threat that is linked to it must be reviewed.

2.4.2 Vulnerability type

Each vulnerability could affect an organisation's resources in a different way. It could be a combination of the factors described in Table 2 - Vulnerability type attributes.

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Vulnerability Type	Description
Increase likelihood	The resources that are affected by this vulnerability are more likely to be affected by the threats that this vulnerability is linked to. For example, if an organisation's HQ is located on a flood plain then there is a higher chance of flooding.
Increase impact	Due to this vulnerability, the impact on the organisation would be greater. For example, if a single point of knowledge exists within a worker, there would be an increase impact of the threat loss of key staff.
Increase duration	Due to this vulnerability the time to recover the related resources after an incident is increased. For example, if specialised/unique equipment is used within a process then if this fails there will be added increased time to recover.

Table 2 - Vulnerability type attributes

Types are entered against each vulnerability under the "Types" tab (shown in Figure 15 - Vulnerability types).

Jnsupported Hardware - Setup							
this vulnera	bility no longer	affects this e	ntity - click	'Resolve Vulnerability	'. You will be requ	uired to justify why th	e vulnerability is no longe
Details	Resources	Threats	Types				
Vulner	Vulnerability Types						
Each vuln	ierability could a	do any of the	follow, all c	can be selected althou	gh at least one m	oust be selected to co	ntinue.
Increas	ed Impact In	creased Pro	hability Ir	creased Duration			
Increas			Dobincy II				

Figure 15 - Vulnerability types

2.4.3 Linking vulnerability to resources

Each vulnerability needs to be linked to at least one resource. This is achieved via a hierarchy of assets that are linked to this entity.

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Resources Which resources does this vulnerability relate to: Collapse All) Expand All	
Which resources does this vulnerability relate to: Collapse All 1 Expand All	
Collapse All) Expand All	
Collapse All Expand All	
P Continement	
- Equipment	
TASERDERY FOOD	
III) Build List	
CRM Data	
- Difformation	

Figure 16 - Linking vulnerability to resources

Resources are linked to each vulnerability via the "Resources" tab (shown in Figure 16 - Linking vulnerability to resources).

2.4.4 Linking vulnerability to threats

Each vulnerability needs to be linked to at least one threat. This is achieved by selecting from those threats that are applicable to this entity.

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Threats From the lists below select thoses threats that would be affected by this vulnerability. Business Related BR1:Loss of Business/ Revenue/ Customers BR2:Key Partner or Contractor Failure Criminal/Terrorist Activity CT1:Vandalism CT2:Terrorism Human Human HU2:Industrial Action	Threats From the lists below select thoses threats that would be affected by this vulnerability. Business Related Business Related BR1:Loss of Business/ Revenue/ Customers BR2:Key Partner or Contractor Failure Criminal/Terrorist Activity CT1:Vandalism CT2:Terrorism Human HU1:Protest Human Health HU2:Industrial Action Human Health	Details	Resources.	Threats	Types		
From the lists below select thoses threats that would be affected by this vulnerability. Business Related BR1:Loss of Business/ Revenue/ Customers BR2:Key Partner or Contractor Failure Criminal/Terrorist Activity CT1:Vandalism CT2:Terrorism Human Human HU2:Industrial Action	From the lists below select thoses threats that would be affected by this vulnerability. Business Related BR1:Loss of Business/ Revenue/ Customers BR2:Key Partner or Contractor Failure Criminal/Terrorist Activity CCT1:Vandalism CCT2:Terrorism Human HU1:Protest HU2:Industriel Action Hu73:Loss of Key Staff - individuals	Threa	ts				
From the lists below select thoses threats that would be affected by this vulnerability. Business Related BR1:Loss of Business/ Revenue/ Customers BR2:Key Partner or Contractor Failure Criminal/Terrorist Activity CT1:Vandalism CT2:Terrorism Human HUMAN HU1:Protest HU2:Industrial Action	From the lists below select thoses threats that would be affected by this vulnerability. Business Related BR1:Loss of Business/ Revenue/ Customers BR2:Key Partner or Contractor Failure Criminal/Terrorist Activity CT1:Vandalism CT2:Terrorism Human HU1:Protest HU2:Industrial Action HU3:Loss of Key Staff - individuals Human Health						
Business Related BR1:Loss of Business/ Revenue/ Customers BR2:Key Partner or Contractor Failure Criminal/Terrorist Activity CT1:Vandalism CT2:Terrorism Human Human HU1:Protest HU2:Industrial Action	Business Related BR1:Loss of Business/ Revenue/ Customers BR2:Key Partner or Contractor Failure Criminal/Terrorist Activity CT1:Vandalism CT2:Terrorism Human HU1:Protest HU2:Industrial Action HU3:Loss of Key Staff - Individuals Human Health	From the	e lists below sele	ect thoses thr	eats that woul	be affected by this vulnerability.	
BR1:Loss of Business/ Revenue/ Customers BR2:Key Partner or Contractor Failure Criminal/Terrorist Activity CT1:Vandalism CT2:Terrorism Human Human HUM2:Industrial Action	BR1:Loss of Business/ Revenue/ Customers BR2:Key Partner or Contractor Failure Criminal/Terrorist Activity CT1:Vandalism CT2:Terrorism Human HU1:Protest HU2:Industrial Action HU3:Loss of Key Staff - Individuals Human Health		Busine	ess Related			
BR2:Key Partner or Contractor Failure Criminal/Terrorist Activity CT1:Vandalism CT2:Terrorism Human Human Human HU:HU1:Protest HU2:Industrial Action	BR2:Key Partner or Contractor Failure Criminal/Terrorist Activity CT1:Vandalism CT2:Terrorism Human HU1:Protest HU2:Industrial Action HU3:Loss of Key Staff - Individuals Human Health	8R1	Loss of Busines	s/ Revenue/ (Customers		
Criminal/Terrorist Activity	Criminal/Terrorist Activity CT1:Vandalism CT2:Terrorism Human HU1:Protest HU2:Industrial Action HU3:Loss of Key Staff - individuals Human Health	BR2	Key Partner or	Contractor Fa	ailure		
El CT1:Vandelism El CT2:Terrorism Human El HU1:Protest El HU2:Industrial Action	CT1:Vandalism CT2:Terrorism Human HU1:Protest HU2:Industrial Action HU3:Loss of Key Staff - individuals Human Health		Criminal/T	errorist Activ	rity		
ECT2:Terrorism Human HUI:Protest	ECT2:Terrorism Human HUI:Protest HU2:Industrial Action HU3:Loss of Key Staff - individuals Human Health	El CT1	:Vandalism				
Human III HU1:Protest III HU2:Industrial Action	Human HUI:Protest HU2:Industrial Action HU3:Loss of Key Staff - individuals Hu3:Loss of Key Staff - individuals	Illera	:Terrorism				
III HUI:Protest	HUI:Protest HU2:Industrial Action HU3:Loss of Key Staff - Individuals Human Health	11012	1.1	luman			
III HU2: Industrial Action	HU2:Industrial Action HU3:Loss of Key Staff - Individuals Human Health	11012					
	HU3:Loss of Key Staff - Individuals	Шнл	:Protest				
	a removation of the second		Protest Industrial Action Loss of Key Sta	n ff - individual:	s		
Humon Health		Шнил Шниг Шниг Шниг Шниг	Protest Industrial Action Loss of Key Sta Hum Infectious Type	n ff - Individual an Health Disease - Ep	is Nidemiic		

Figure 17 - Linking vulnerability to threats

Resources are linked to each vulnerability under the "Resources" tab (shown in Figure 17 - Linking vulnerability to threats).

2.5 Impact, likelihood and duration

For every threat that is applicable to the entity, each of the risk variable and the duration (if applicable) need to be evaluated. From the main entity screen shown in Figure 8 - List of entities, click on the "Impact and Likelihood" link and screen in Figure 18 - Threat List will be displayed.

Chreat Reference	Threat Name	Likelihood	impact	24 have been answered 0 are incomplete
	Business Helated			Parata and a series
391	Loss of Business' Revenue/ Custamers	1	1	
182	Sev Partner, or, Cantrauter Failure	1	1	
	Criminal Terrociat Act	ivity		
573	Vandalam	1	1	
772	Terrorisati	1	1	
	Human			
iut .	Protent	1	1	
4/2	industrial Action	1	1	
10	Loss of Key Staff - Indvitatio	1	1	

Figure 18 - Threat List

Each threat must be evaluated singularly by clicking on the threat name which will display the threat risk form shown in Figure 19 - Individual threat showing specific tabs.

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15: Internal Fire			
ct each of the tabs below that contains a	red indicator.		
Elikelihood Impact Resour	ces Vulnerabilities		
Related Resources			
The following resources are related to th	iis threat. Click on each res	ource to see the specif	ic values for this resource.
	Likelihood		Impact
Resource Name	Likelihood Vulnerability	Probability	Impact Impact on Resources
Resource Name Premises	Likelihood Vulnerability	Probability	Impact Impact on Resources
Resource Name Premises HQ	Likelihood Vulnerability 3	Probability	Impact Impact on Resources 4
Resource Name Premises HQ London Sales Office	Likelihood Vulnerability 3 3	Probability 1 1	Impact Impact on Resources 4 4 4
Resource Name Premises HQ London Sales Office Technology	Likelihood Vulnerability 3 3	Probability 1 1	Impact Impact on Resources 4 4 4
Resource Name Premises HQ London Sales Office Technology Network Infrastructure	Likelihood Vulnerability 3 3 3	Probability 1 1 1 1 1	Impact Impact on Resources 4 4 4 4 4
Resource Name Premises HQ London Sales Office Technology Network Infrastructure Desktop PCs	Likelihood Vulnerability 3 3 3 3 3 3 3	Probability	Impact Impact on Resources 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

Figure 19 - Individual threat showing specific tabs

Each of the resources that are linked to this threat will be displayed on the "Resources" tab (shown in Figure 19 - Individual threat showing specific tabs). For each of the risk variables specified in 1.1.1 Risk Variables, a tab will appear that allows each of the variables to be quantified. A red indicator on the tab shows that the section is unanswered which changes to green once this is answered.

For each of the variables selected, identify the value that best fits with this threat. When considering the likelihood and impact of the threat, take into account the vulnerabilities that are also attached to that threat.

	of the ta	bs below that contains a	red indicator,
• Uke	ihood	Impact Resource	tes Vulverabilities
	Ninerabili	by Probability	
- 10.00	transferrers Bally State		
be app	setup to H roximate Sevi Varia	ble History	Level Desc
be app	setup to n roximate lew Varia	ble History Level Name Ram	Level Desc 1 is 20.000 chance over the mest five years
be app 1	setup to ri rosemate lew Varia	erect the knowledge of t timescales. ble Huttory Level Name Ram Unikely	Level Desc
be app 1 2 3	setup to H rosimate lew Varia	ble Huttory Levet Name Ram Unlasty Psaable	Level Desc 1 in 200 charce over the next five years 1 in 200 charce over the next five years 1 in 200 charce over the next five years
be app	leve Varia	ble History Levet Name Rare Unikely Probable Probable	Level Desc 1 in 2000 chance over the next five years 1 is 2000 chance over the next five years 1 is 2000 chance over the next five years 1 is 2000 chance over the next five years 1 is 2000 chance over the next five years

Figure 20 - Entity threat variable

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Note: A history of all answers which have been provided or changed are available by clicking the "View Variable History" button.

2.6 Quantifying a vulnerability

If the threat that is being reviewed has any vulnerabilities related to it, an additional tab will display - "Vulnerabilities". This tab will show all of the vulnerabilities within an expanding list shown in Figure 21 - Quantifying. This allows an organisation to alter how a particular threat relates to a certain resource.

As an example, suppose Figure 21 - Quantifying . Rather than rate all of the resources within the entity as being a single point of failure, the value can be overwritten for the resources affected by this vulnerability.

• 18	elihood • Impact R	esources Vulnerabilities
Re	ated Vulnerabiliti	es
The f	following vulnerabilities should	be considered when assessing the level of risk. If any of these vulnerabilities don't fit with this
three	it they can be removed from t	he main vulnerability screen.
	v1: SPOF	
	Description:	Single Point of Faliure
	Vulnerability	Yes 🖱 No 🗣
	Probability	Yes 🖱 No 👁
	Impact on Resource	es Yes 🔊 No 🍽
	Related Resourc	19
	HQ	

Figure 21 - Quantifying vulnerability

2.7 Addressing a vulnerability

When a specific vulnerability is addressed by an organisation, it could be that a control has been put in place to mitigate the effect of a vulnerability, or because working practices have been changed. Select a vulnerability that has been addressed and click "End Date Vulnerability". This allows a justification to be provided and the vulnerability will no longer be visible within the vulnerability list.

Note: After a vulnerability is addressed, each threat that is linked to it must be reviewed. This is because risk of that threat is now lower.

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