
Risk & Control Management (RCMaaS)

APPLICATION DESCRIPTION

Risk & Control Management Application

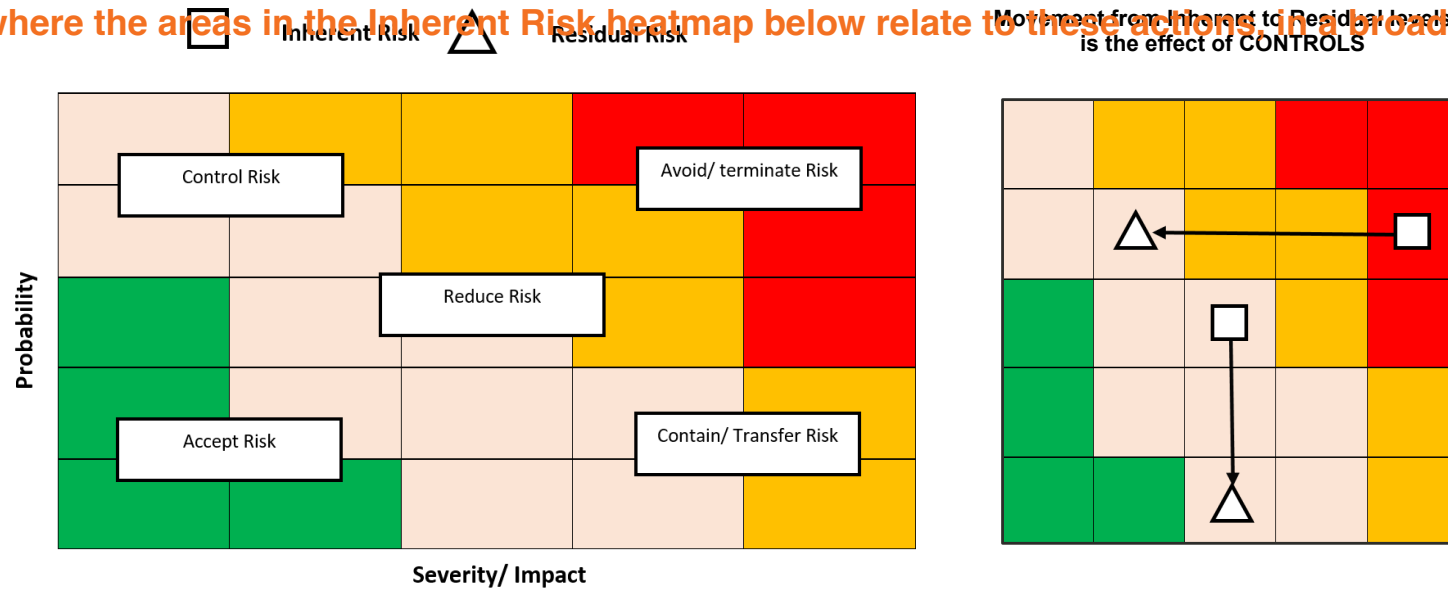
RiskCounts' **Risk & Control Management** application provides complete and standalone capability to conduct control effectiveness testing:

- Risk & Control Management is a major, and often mandatory, exercise by businesses to test the design of internal controls and controls effectiveness
- The focus is to ensure that controls are reducing the inherent risk to the extent that they have been designed for
- RiskCounts provides a comprehensive RCaaS Application, that:
 - allows organizations to conduct their quarterly risk-control reviews
 - offers simple workflow execution on a single platform
 - provides an inbuilt issue-tracking and remediation module; can be easily integrated with other issue and incident management systems that an organization may be using



The Goal – Minimize Residual Risk: ascertain through Risk & Control Management (RCM)

Risk Control focus on response: the traditional “4 T’s” being Take, Transfer, Treat, or Terminate,
where the areas in the Inherent Risk heatmap below relate to these actions, in a broad sense



- Residual Risk is of course “derived” as a fall-out, given the Inherent Risk Ratings and the Control Effectiveness
- Assessment is done through Risk Control Self-Assessment , and additionally informed by Events, Losses, Metrics, and Scenario Analysis.
- In other words, the Residual Risk is just the Inherent Risk discounted by, or adjusted for, the Control Assessment.
- Once scales are established, ALL risk-assessment should use the same calibration, whether Inherent or Residual.

Risk & Control Management (RCM) roles designation

There are four (4) key independent roles defined in RCM

Administrator

- Set up Risks
- Set up Policies
- Set up Control Categories
- Set up Control Procedures
- Set up Inherent Risk ratings

Risk Manager

- Set up Assessment Units (AUs) within organization
- Assign Risks and Assessors to AUs
- Initiate Self Assessment
- Finalize Risk Ratings based on inputs from AUs
- Collate and finalize all open Remediations & To-Dos: confirm ownership, dates and priority
- Reporting on rolled-up basis

Assessor

- Respond to simple 2-part questionnaire for each Control Category assigned for review.

Assessment Unit Coordinator

- Review Assessor scores for each Control Category
- Based on Assessor inputs, assign overall score for each Risk.
- Provide Remediation suggestions and drafts

Set-up of Risk and Control Taxonomy and linking to policies

Define Risks

- Set up Risks and Risk descriptions in the library

The screenshot shows the RiskCounts Admin interface. The top navigation bar includes 'Dashboard' and 'Admin'. The 'Admin' section is active, and the 'RISKS' tab is selected. A dropdown menu shows 'SET UP RISKS/POLICY/CONTROL CATEGORY'. The main table lists risks with columns for 'Risk', 'Risk Description/Overview', and 'Inherent Risk'.

Risk	Risk Description/Overview	Inherent Risk
Business Disruption & Damage	Risk of loss associated with natural and man-made Disasters and Disruptions, threatening safety and/or infrastructure and/or physical assets. Example: - Natural disaster or manmade disruptions affecting maintenance of business service - Impact of earthquake, fire, flood etc. in physical damage and/or business discontinuity - BCP program not maintained, tested, deployed - Disaster Recovery issues - Damage to Physical Assets from sources such as disasters, terrorism, vandalism	(4,3)
Client Suitability & Disclosure	Product or service recommended, marketed or transacted is unsuitable or inappropriate for a client's business needs or is improperly disclosed, considering all factors including financial status and sophistication of the client. Example: - Inadequate or improper advice, product information, or performance - Unsuitable client or inappropriate product - Violation of fiduciary responsibilities towards client - Failure to protect confidential client information or to comply with privacy laws or regulations - Failure to meet / satisfy contractual obligations, or disputes related to contractual issues - Failure in client transparency needs	(3,3)
Competition	The risk that increased competition, price compression, and new technologies may result in an adverse effect on business operations and financial results	(2,3)
Concentration of Clients & Business	The risk of AxiChange's reliance on a limited number of large clients and revenue streams and on its inability to identify non-profitable regions / clients / products or sectors	(3,3)
Credit Risk	Risk of loss resulting from a Counterparty's failure to repay a placement, loan, or unsecured balances, or meet contractual payment obligations	(3,2)
Customer Onboarding & Management	Issues and errors in Customer onboarding, and ongoing servicing & management. Examples: - Fundamental errors in onboarding process - Mismanagement of any KYC requirements - Documentation failure - over-tracked or missing documentation	(3,3)

Define Policies

- Set up Policies and Policy descriptions in the library
- Attach respective policy document

The screenshot shows the RiskCounts Admin interface. The top navigation bar includes 'Dashboard' and 'Admin'. The 'Admin' section is active, and the 'RISK POLICIES' tab is selected. A dropdown menu shows 'SET UP RISKS/POLICY/CONTROL CATEGORY'. The main table lists risk policies with columns for 'Risk Policy', 'Risk Policy Description/Overview', and 'Policy Document'.

Risk Policy	Risk Policy Description/Overview	Policy Document
Anti-Harassment Policy		Test Policy Document.docx
BSA AML OFAC Compliance Manual		Test Policy Document.docx
Change Management Policy		Test Policy Document.docx
Compliance Policy		Test Policy Document.docx
DR & BC Policy		Test Policy Document.docx
ERM Policy		Test Policy Document.docx
Employee Handbook		Test Policy Document.docx
Ethics Hotline Policy		Test Policy Document.docx
Fraud Policy		Test Policy Document.docx
HR Policy		Test Policy Document.docx
Information Security		Test Policy Document.docx
Mobile Device Policy		Test Policy Document.docx
Operations Manual		Test Policy Document.docx
Records & Information Retention Policy		Test Policy Document.docx
Security and Privacy Authorizing Policy		Test Policy Document.docx
Travel and Expense Policy		Test Policy Document.docx
Vendor Management Policy		Test Policy Document.docx
Whistle Blower Policy		Test Policy Document.docx

Inherent Risk set-up and assessment

Define Control Categories

- Set up Control Categories and Procedures in the library
- Tag associated Risks
- Tag Associated Policies

RiskCounts
Self Assessment (RCSA)

ADMIN

Select Actions: SET UP RISKS/POLICY/CONTROL CATEGORY

CONTROL CATEGORY & CONTROL PROCEDURES

+ ADD CONTROL CATEGORY

Edit	Delete	Control Category	Control Procedure	Tagged Risks	Tagged Policies
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Acceptable Use	<ul style="list-style-type: none"> Acceptable & Unacceptable Use of electronic resources known to all staff Employees confirm they understand and abide by all applicable policies dealing with security, confidentiality, and privacy Staff trained in and conscious of Anti-Virus conduct Employees responsible for all content (text, audio, images) sent over the internet All information, when created or acquired, is classified and properly managed consistent with Auditchange policies, standards, and procedures Users made aware of information security threats and concerns, their responsibilities and liabilities, and equipped to support Auditchange security requirements in the course of their normal work 	<ul style="list-style-type: none"> Information & Data Security External Theft and Fraud Legal Regulatory & Compliance 	<ul style="list-style-type: none"> Employee Handbook Information Security Mobile Device Policy
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Access Control	<ul style="list-style-type: none"> Access to Systems (firm or clients) & Networks is granted upon an employee joining the firm and reviewed annually with documentation All access is revoked in the event of an employee termination (voluntary or involuntary) or internal transfer It is the responsibility of the Employee and Supervisor, with ISO and IIT to keep access-entitlements updated on an as need basis Systems activity is monitored to identify policy violations and anomalous behavior, to protect Auditchange and its client information Operational access control is also exercised over Vendors and Partners Only accounts that have been set-up for bank accounts, supplier accounts, ACH payment details, Accounting system integration, address entries are allowed to be made operational 	<ul style="list-style-type: none"> Internal Theft and Fraud Information & Data Security External Theft and Fraud Legal Customer Onboarding & Management 	<ul style="list-style-type: none"> Fraud Policy Information Security
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Asset Inventory	<ul style="list-style-type: none"> The BCP includes documented detail of all Assets including computer, technology, and related office equipment and tangible and intangible assets Electronic copies of client information are held, as allowed by confidentiality agreements, in offsite/insured cloud services Microsoft Azure cloud services is used for Data Storage with redundant storage at multiple physical locations and data centers 	<ul style="list-style-type: none"> Business Disruption & Damage Safety of Work Environment Systems Issues & Failures 	

Assign Inherent Risk ratings

- Assign an Inherent Risk rating for each Risk, based on Severity and Likelihood of events
- Severity & Likelihood scales provided alongside are based on Financial loss definitions specific to each organization

RiskCounts
Self Assessment (RCSA)

ADMIN

Select Actions: SET INHERENT RISK RATING

RISK

INHERENT RISK RATING FOR BUSINESS DISRUPTION & DAMAGE

LIKELIHOOD SCALE: 5 RAYS OF RISK MATRIX

Severity	Very Low	Low	Medium	High	Very High
Very High	5				
High	4				
Medium	3				
Low	2				
Very Low	1				

Severity Scale: 5 RAYS OF RISK MATRIX

Rating	Severity	Severity Description
5	Very High	<ul style="list-style-type: none"> Financial loss of USD 10,000,000 or more Long term or significant negative media coverage, loss of status or market share Major hearings, prosecution, fines, litigation including class action, incarceration Significant injuries or fatalities to employees, customers or vendors Multiple severe incidents occur
4	High	<ul style="list-style-type: none"> Financial loss of USD 5,000,000 up to USD 10,000,000 Long term major negative media significant loss of market share and reputation Reports to regulators requiring major project for corrective action Care required for employees or third parties, such as customers or vendors Senior managers leave, high turnover of experience, no longer premier employer
3	Medium	<ul style="list-style-type: none"> Financial loss of USD 1,000,000 up to USD 5,000,000 Short-term but impactful negative media coverage Report of breach to regulator with immediate correction to be implemented Medical treatment required for employees, customers or vendors Widespread staff morale problems and high turnover
2	Low	<ul style="list-style-type: none"> Financial loss of USD 100,000 up to USD 1,000,000 Incidental damage Reportable incident to regulator, no rising follow up No or minor injuries to employees or third parties, such as customers or vendors General staff morale problems and increase turnover
1	Very Low	<ul style="list-style-type: none"> Financial loss of USD 100,000 Local media attention, if at all, quickly reversed Not immediately reportable to regulator No injuries to employees or third parties, such as customers or vendors Isolated staff dissatisfaction can be managed locally

Inherent Risk: 4.3 **SAVE**

Risk Management explanation of Inherent Risk for BUSINESS DISRUPTION & DAMAGE

Risk of loss associated with natural and man-made Disasters and Disruptions, threatening safety and/or infrastructure and/or physical assets. Examples:

- Natural disaster or man-made disruptions affecting maintenance of business service
- Impact of earthquake, fire, flood etc. to physical damage and/or business discontinuity
- BCP program not maintained, tested, deployed
- Disaster Recovery issue
- Damage to Physical Assets from sources such as disasters, terrorism, vandalism

Control Assessment

Assessment

- Assessors respond to a 2-part questionnaire as part of review
- Attach documentary evidence as specified by the firm

RiskCounts

RCSA Q4 2021

RCSA Q4 - 2021 (02/19/2020 - 03/30/2020)

SUBMIT TO RCSA COORDINATOR

CONTROL CATEGORY:

ACCESS CONTROL TAGGED RISKS: CUSTOMER ONBOARDING & MANAGEMENT, EXTERNAL THEFT AND FRAUD, INFORMATION & DATA SECURITY, INTERNAL THEFT AND FRAUD, LEGAL
ASSOCIATED POLICIES: FRAUD POLICY, INFORMATION SECURITY

CONTROL PROCEDURES: Key controls for - Access Control are listed below. Please respond to the questions in the Risk Control Effectiveness box below.

- Access to Systems (firm or client) & Networks is granted upon an employee joining the firm, and reviewed annually with documentation
- All access is revoked in the event of an employee termination (voluntary or involuntary) or internal transfer
- It is the responsibility of the Employee and Supervisor, with ISO and HR to keep access-entitlements updated on an as need basis
- Systems activity is monitored to identify policy violations and anomalous behavior, to protect AvidXchange and its client information
- Operational access control is also exercised over Vendors and Partners
- Only accounts that have been set-up for Bank accounts, supplier accounts, ACH payment details, Accounting system integration, address entries are allowed to be made operational

CONTROL CATEGORY EFFECTIVENESS: Based on the Control Procedures Listed above for this Section of the Access Control, please rate the effectiveness of CONTROL PROCEDURES based on what you have seen or experienced at "Access Control" level.

Question 1 Has there been a Failure/ Risk issue this Quarter No Comments

Question 2 Rate the design and effectiveness of this control. Pick a score from 0 to 10, with 10 being the best (% Click here to include documentation / reference on Controls Testing performed) 2

SAVE SUBMIT TO RCSA COORDINATOR

CONTROL CATEGORY EFFECTIVENESS: Based on the Control Procedures Listed above for this Section of the Access Control, please rate the effectiveness of CONTROL PROCEDURES based on what you have seen or experienced at "Access Control" level.

Question 1 Has there been a Failure/ Risk issue this Quarter No Comments

Question 2 Rate the design and effectiveness of this control. Pick a score from 0 to 10, with 10 being the best (% Click here to include documentation / reference on Controls Testing performed) 2

SAVE SUBMIT TO RCSA COORDINATOR

Comments may include details about any documentation/discussions with Risk Leadership. This section may also include details on whether it was a failed/missing control or a one-off exception.

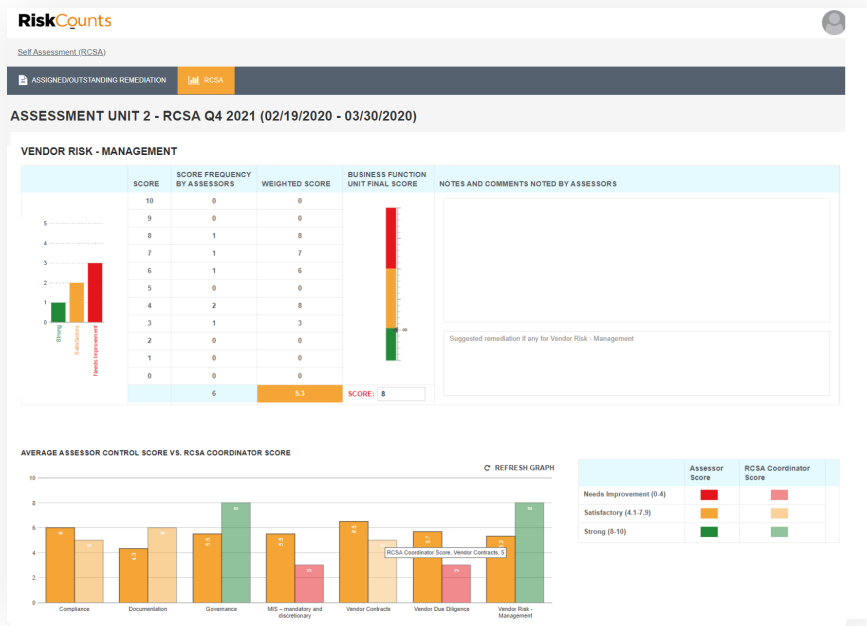
Review of assessments and Issue Management

Consolidation

- Review and consolidate Assessor scores into an overall score for each Risk
- Provide Remediation drafts for each Control Category

Remediation Resolution

- Review, Resolve and Update assigned Remediations for Control Categories



RiskCounts

Self Assessment (RCSA)

ASSIGNED/ OUTSTANDING REMEDIATIONS

Control Category	Final Proposed Remediation	Assigned Remediation Unit	Assigned Co-owner Remediation Unit	Priority	Due Date for Completion	BFU Status
CHANGE MANAGEMENT Associated Risks: Customer Onboarding & Management, Product & Execution Falls Associated Policies: Change Management Policy	Q3 Remediation suggested by AU3 for PRODUCT & EXECUTION FAILS for CHANGE MANAGEMENT	Remediation Unit 1	Remediation Unit 3	Mandatory	02/18/2020	In Progress
PASSWORDS Associated Risks: Employee Management & Relations, Discrimination & Harassment, Safety of Work Environment Associated Policies: Employee Handbook, Compliance Policy	Q2 2021	Remediation Unit 3	Remediation Unit 1	Mandatory	02/17/2020	Assigned
RECONCILIATIONS OF INVOICES Associated Risks: Client Suitability & Disclosure, Customer Onboarding & Management, Product & Execution Falls Associated Policies: Operations Manual	Q3 Remediation suggested by AU1 for CLIENT SUITABILITY & DISCLOSURE for RECONCILIATIONS OF INVOICES	Remediation Unit 1	Remediation Unit 3	Discretionary	02/26/2020	Assigned
BCP TESTING Associated Risks: Business Disruption & Damage, Safety of Work Environment Associated Policies:	Q2 2021 AU3	Remediation Unit 2	Remediation Unit 3	Discretionary	02/26/2020	Assigned
COMPLIANCE Associated Risks: Internal Theft and Fraud, Monitoring & Reporting, Information & Data Security, Regulatory & Compliance Associated Policies: Information Security, Employee Handbook, BSA AML, OFAC Compliance Manual, Records & Information Retention Policy, Compliance Policy	AU1 Q1 2021 Suggesting remediation for EFT - Compliance	Remediation Unit 3	Remediation Unit 2	Mandatory	02/26/2020	Assigned

Consolidated Risk view (Inherent & Residual Risk)

Consolidate Risk Ratings

- Initiate Self Assessment
- Manage RCM process
- Consolidate Risk scores from Assessment Units into Risk Rating to arrive at Residual Risk Rating.



Remediation Management

- Review suggested Remediations
- Assign & Manage Remediations within the application

RiskCounts

Self Assessment (RCSA)

DASHBOARD RCSA REMEDIATIONS

[CLIENT NAME] - [REGION NAME] REMEDIATION SUMMARY

[Client Name] [Region Name] RCSA Q4 2021 (02/19/2020 - 03/30/2020)

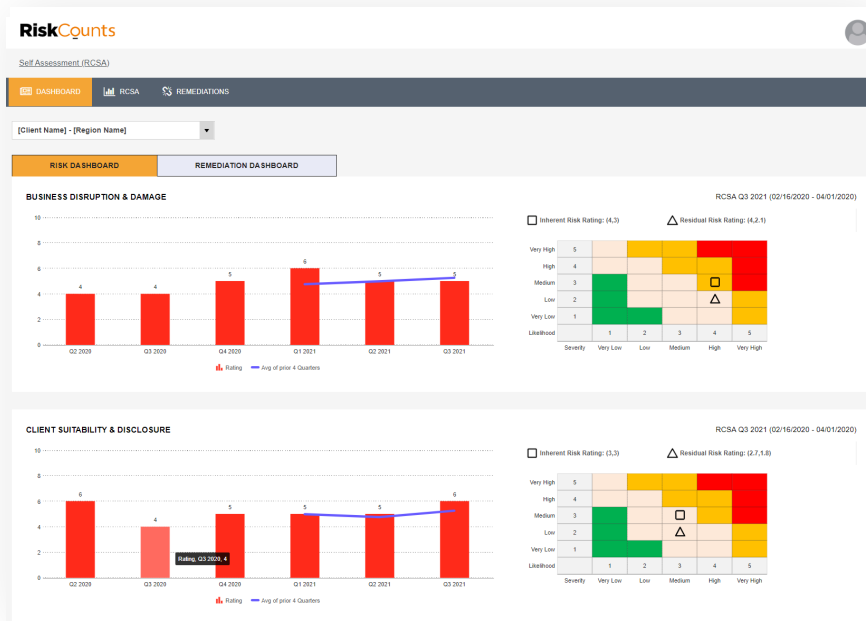
ADD NEW REMEDIATION TASK

Control Category	Suggested Remediations	Risk Manager Inputs	Ownership	Co-owner Remediation Unit	Priority	Set Date of Completion
ACCESS CONTROL Associated Risk: Internal Theft and Fraud Associated Policies: Information Security, Fraud Policy	+ AUS Q4 2021 Remediation suggestion for...	B I 5	Select Remediation Unit	Select Remediation Unit	Assign priority	MM/DD/YYYY
ASSET INVENTORY Associated Risk: Safety of Work Environment Associated Policies:	+ AUS Q4 2021 Remediation suggestion for...	B I 5	Select Remediation Unit	Select Remediation Unit	Assign priority	MM/DD/YYYY
CALL TREE Associated Risk: Safety of Work Environment Associated Policies:	+ AUS Q4 2021 Remediation suggestion for...	B I 5	Select Remediation Unit	Select Remediation Unit	Assign priority	MM/DD/YYYY
CLEAN DESK POLICY Associated Risk: Internal Theft and Fraud Associated Policies: Information Security, Employee Handbook	+ AUS Q4 2021 Remediation suggestion for...	B I 5	Select Remediation Unit	Select Remediation Unit	Assign priority	MM/DD/YYYY
HARDWARE & SOFTWARE Associated Risk: Information & Data Security	+ AUS Q4 2021 Remediation suggestion for...	B I 5	Select Remediation Unit	Select Remediation Unit	Assign priority	MM/DD/YYYY

Management Dashboard

Risk Dashboard

- Displays Rating trends for each Risk within organization
- Displays Inherent Risk rating and Residual Risk Rating on Heatmap for the latest RCM



Remediation Dashboard

- Displays chart for outstanding vs closed remediation for previous quarter
- Assigned remediations for last 4 quarters
- Response status of Assessors for ongoing Self Assessment

