



Audit Automation: Impact of Technology and Digital Transformation on Internal Audit Processes

Naomi Mwai, Director TeamMate Solutions at ASC

IIA KENYA: A Glimpse into the Future-Agility and Impact



Wolters Kluwer



TeamMate®

The Challenge





Question: 1

Rate the importance of effectively using technology

- A. Extremely Important
- B. Very Important
- C. Important
- D. Somewhat Important
- E. Not Important

IIA Survey Focusing on Effective Use of Audit Technology

- Rate the importance of effectively using technology¹:
 - **77.4% of CAEs** – “Important,” “Very Important,” or “Extremely Important”
- Rate your level of performance in effectively using technology¹:
 - **85.7% of CAEs** – “Inadequate,” “Somewhat Adequate,” or “Adequate”

Core Technology Processes

- Technology Strategy & Focus
- **Risk Assessment & Monitoring**
- **Audit Planning & Scheduling**
- **Audit Execution & Documentation**
- **Audit Reporting & Issue Tracking**
- **Data Analysis & Mining**
- **Knowledge Management**
- Training
- Human Resources
- Quality Improvement

Source: Developing an Effective Internal Audit Technology Strategy – IIA Audit Executive Center

Essentials to Digitize Audit Performance



Digital Mindset

Harness the latest technologies to demonstrate confidence in your coverage, improve productivity and being agile to address business changes



Decisive Integration

Connect critical business systems and key stakeholders to eliminate siloed decision-making and improve business performance



Data-Driven Insights

Don't rely on incomplete, fragmented evidence. Implement integrated analytics to uncover hidden risks and obtain objective, comprehensive results

Audit Technology Attributes



Ease of Use

- Simple
- Consistent
- Intuitive



The screenshot displays the TeamMate+ interface. On the left is a navigation menu with icons for Home, Audit Clients, Audit, Notifications, Audit Report, and Reports. The main area shows a table of audit items with columns for Area, State, Due Date, and Review Due Date. Below the table are two charts: a bar chart for 'Total: 4' and a horizontal bar chart for 'My Test Status' with 'Total: 56'.

Area	State	Due Date	Review Due Date
Financial Audit Demo (WK 010)	Not Started		
Financial Audit Demo (WK 010)	In Progress		
Financial Audit Demo (WK 010)	Prepared	3/31/2017	4/7/2017

Milestone	Count
1	1
2	3
3	0

State	Count
Not Started	47
In Progress	1
Prepared	1
Reviewed - Ac...	6



Ease of Deployment

On premise, in
your cloud..



Or securely in one of our TeamCloud
data centers

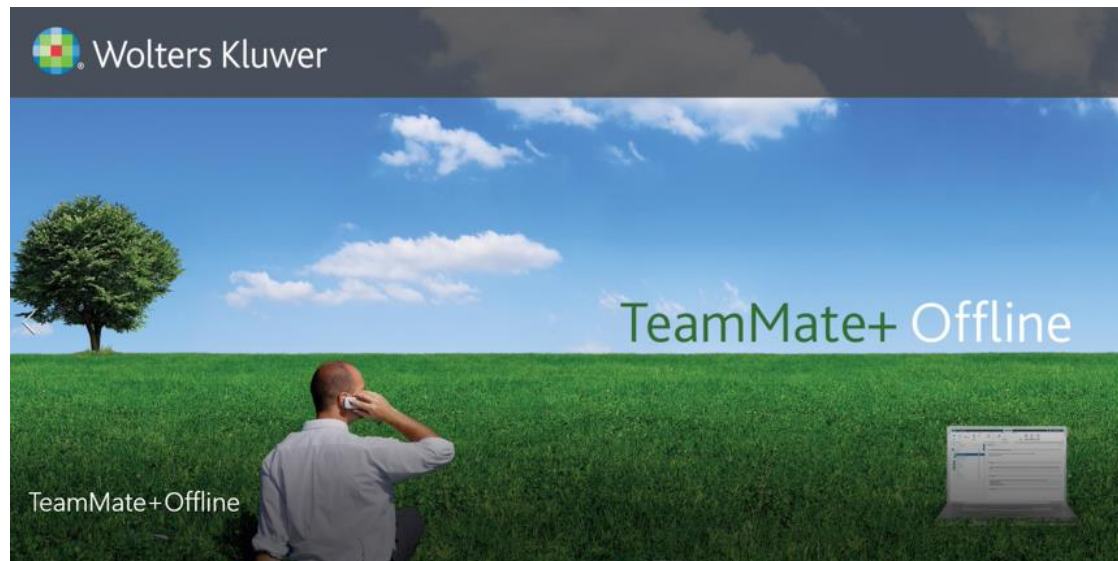
Any web browser, any device





Offline Working

- No connectivity needed
- Same intuitive interface offline as online
- No software installation required





Ease of Configuration

- Configuration without coding, scripting or special IT skills
- Reduce deployment time
- Upgrade seamlessly

The screenshot shows the TeamMate+ configuration interface. The top navigation bar includes 'Dimension', 'Taxonomy', 'Perspectives', 'Settings', and 'Template'. Below the navigation bar are icons for 'Add', 'Delete', 'Move Up', 'Move Down', 'Preview', and 'Excel'. The main table has columns for 'Default Label', 'Label', 'Base Field', 'Active', and 'Issue Tracking for Business'. The table lists various categories and their corresponding labels, with checkboxes for 'Active' and 'Issue Tracking for Business'.

Default Label	Label	Base Field	Active	Issue Tracking for Business
Assessment	Risk Assessment		<input checked="" type="checkbox"/>	
Audit Plan	Audit Plan		<input checked="" type="checkbox"/>	
Project	Audit		<input checked="" type="checkbox"/>	
Audit Report	Audit Report		<input checked="" type="checkbox"/>	
Entity			<input type="checkbox"/>	
Folder	Folder		<input checked="" type="checkbox"/>	
Folder Cabinet			<input type="checkbox"/>	
Objective	Sub-Process		<input checked="" type="checkbox"/>	
Strategic Risk	Strategic Risk		<input checked="" type="checkbox"/>	
Risk	Risk		<input checked="" type="checkbox"/>	
Control	Control		<input checked="" type="checkbox"/>	
Procedure	Test		<input checked="" type="checkbox"/>	
Workpaper	Supporting Documentation		<input checked="" type="checkbox"/>	
Issue	Issue		<input checked="" type="checkbox"/>	
Recommendation	Action		<input checked="" type="checkbox"/>	
Coaching Note	Review Note		<input checked="" type="checkbox"/>	
User			<input type="checkbox"/>	



Integrated Audit Analytics

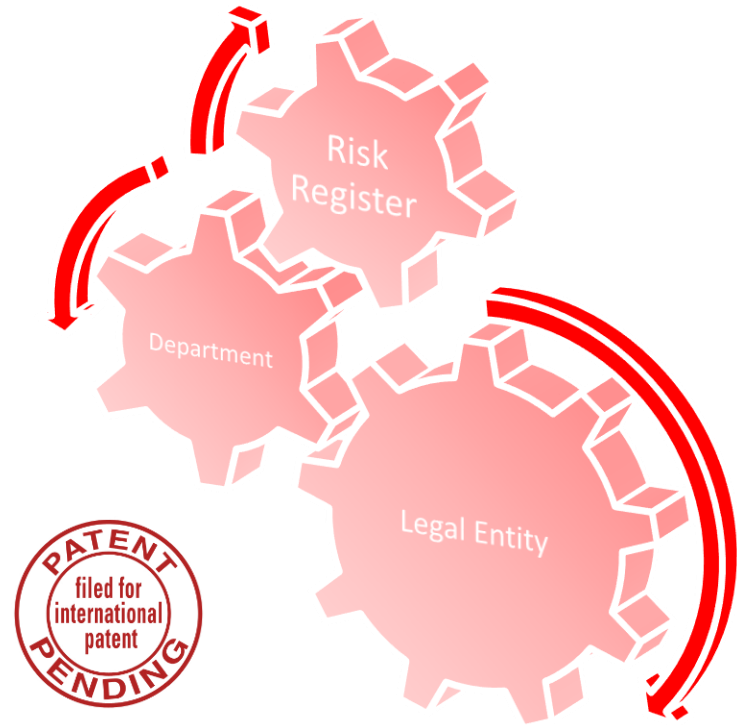
- Equip every member of your audit team with a tool that they can use
- More than 250 tests designed specifically for auditors
- No scripting or coding skills required to create your own tests

The screenshot displays the Microsoft Excel interface with the TeamMate Analytics ribbon active. The ribbon includes tabs for Test Library, Import Wizard, Manipulate Fields, Sheet Checker, Expert Analyzer, Column Visualize, Manipulate Worksheets, Summarize, Extract, Numeric Analysis, Formula Sample, Options, Help, and Open Workbooks. Below the ribbon, the Expert Analyzer Workflow Designer window is open, showing a workflow for 'General Ledger Journals'. The workflow consists of two rows of steps: 1) Data file -> Journal Debits Calculation -> Journals summary -> Missing journals -> Non balancing journals -> Journal lines over an amount -> Total journal debits over an amount -> Journals posted on days of the week -> Journals post on specific da; 2) Data file -> Data manipulation -> Normalize fields -> Transaction scoring. The background shows an Excel spreadsheet with columns for months (MTH) and a Grand Total row.



Multi-Dimensional Audit Universe

- Model complex organizational structures
- Provide stakeholders with insights on coverage





Comprehensive Reporting Solution



My Dashboard

- Homepage dashboards
- Provides actionable insights on first login



TeamInsights Reports

- Comprehensive suite of reports and dashboards
- Provides trending analysis and report scheduling



Reporting API

- Connect TeamMate to your preferred reporting tools
- Create unique reports and dashboards
- Report on department specific KPI's
- Combine TeamMate data with other data sources



MS Office and Adobe Acrobat Integration



- Harness the power Microsoft Office and Adobe when working in TeamMate+ with our patented technology:

- Cross reference
- Audit Findings
- Review Notes

AutoSave @ 10:00 AM | | duplicates.xlsx - Last Saved 7/4/2019

File Home Insert Draw Page Layout Formulas Data Review View Add-ins Help Power Pivot

Issue Review Note Copy Link Paste Link Delete Link Hide Links Check Out

Add Actions Check in / Out

K14

	B	C	D	E	F	G	H	I	J	K	L
1	Supplier Name	Purchase Order Number	Payment Date	Amount							
2	Margaret Darwinia	PO203291	6/28/1948	584.04	▲ Improper segregation of duties in the Account Reconciliation Process						
3	Jaiden Laundry	PO330268	10/15/1966	70.26							
4	Bryson Burdock	PO488560	11/26/2002	91.06	● Sample size						
5	Deandre Inglorio	PO489483	2/5/2003	-2.95							
6	Deandre Inglorio	PO489484	2/5/2003	-15.62							
7	Angelina Curry	PO489399	1/31/2003	-1415.18							
8	Ramon Shill	PO489534	2/9/2003	-2.88							
9	Grady Lace Ltd	PO489790	2/25/2003	-15333.3							
10	Cruz Bassett Ltd	PO490211	3/9/2003	21.5							
11	Cruz Bassett Ltd	PO490659	4/6/2003	17							
12	Esther Barnett Ltd	PO490944	4/25/2003	317.38							
13	Esther Barnett Ltd	PO490957	4/26/2003	234.65							
14	Esther Barnett Ltd	<Blank>	5/7/2003	-3285.6							
15	Esther Barnett Ltd	<Blank>	5/8/2003	-4550.64	● Invoice test						
16	Cruz Bassett Ltd	PO491047	5/10/2003	48.04							
17	Cruz Bassett Ltd	PO491048	5/10/2003	24.68							
18	Cruz Bassett Ltd	PO491049	5/10/2003	20.58							
19	Cruz Bassett Ltd	PO491050	5/10/2003	17.43							
20	Esther Barnett Ltd	PO491297	5/23/2003	10085.74							



TeamCloud

TeamMate Hosting Solutions

Hosting

- 99.99% lifetime uptime
- Data Center Locations
 - Dallas, Texas
 - London, England
 - Sydney, Australia
 - Toronto, Canada
 - Washington, DC
 - Germany

CONTENT

Knowledge Base Content

Over 15,000 Audit Steps

Standards

COBIT

PCI DSS

ISO 27002

IIA QAIP (future)

GTAG: Big Data

Government

HIPAA

FISCAM

NIST 800-53

NIST 800-171

Business Cycles

Expenditures

Financial Reporting

Human Resources

Inventory

Payroll

Production

Revenue

AuditNet.org

ACUA

Other

Audit Administration

Fraud Considerations

I.T.

Medical Insurance Industry

Mobile Device Security

Safety Checklists

Social Media



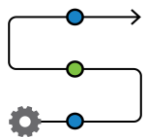
Open Ecosystem

Assurance Systems



Risks and Controls
Audit Findings

Audit,
Schedule and
Resources



ERP Systems

KPI and KRI
Data

TeamMate+

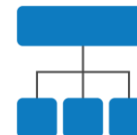
Business Intelligence Tools

Reporting
Data



SSO

User
Accounts



Identity Providers / AD



Question: 2

Rate your level of performance in effectively using technology

- A. Extremely Effective
- B. Somewhat Effective
- C. Adequate
- D. Somewhat Adequate
- E. Inadequate

Impact of Audit Automation

Automated Audit Workflow

Planning

- Risk based audit planning
- Risk and control data from third-party systems
- Reference historical audit data
- Develop audit plans mapped to resource capacity

Audit Fieldwork

- 100% sample testing
- Integration with Word, Excel and PDF
- Team-based workflow

Audit Wrap Up

- Quality checks
- Audit programs automatically stored in library for re-use



Audit Planning

- Project templates and content libraries
- Document request
- Copy audit files for cyclical or recurring engagements

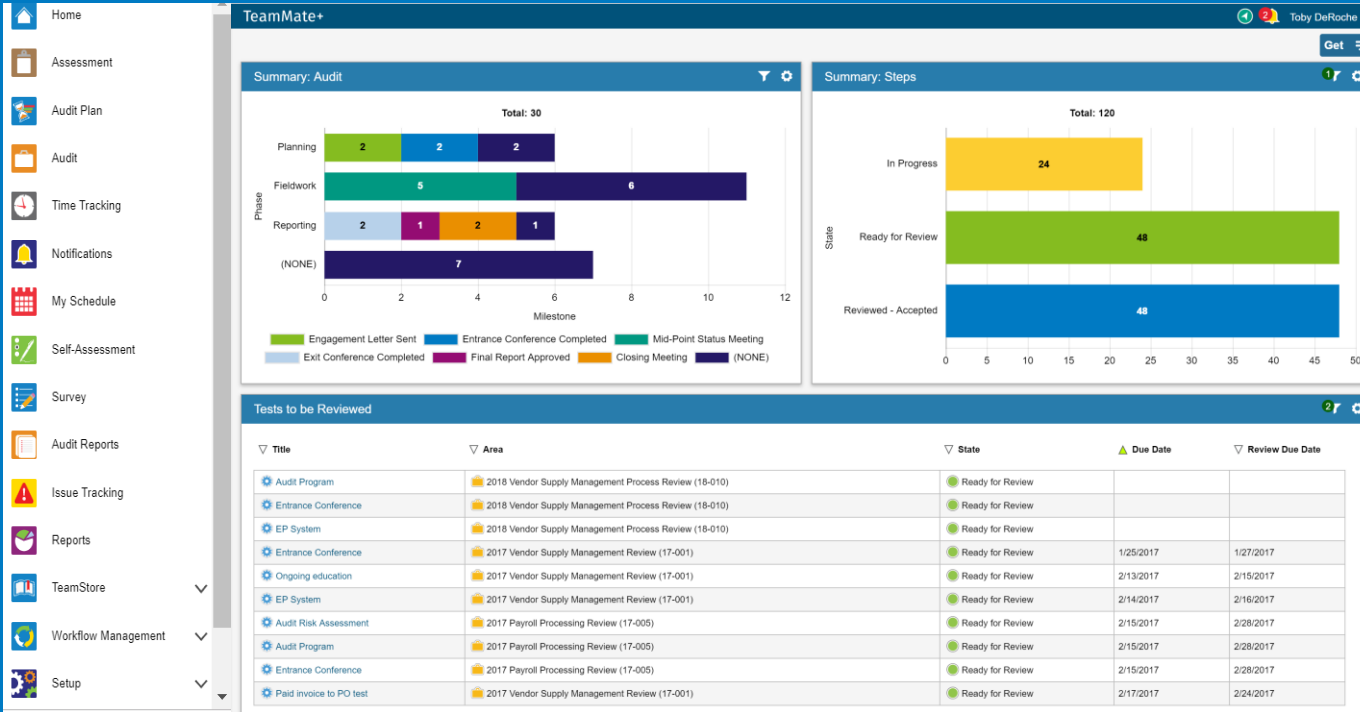
Audit Reporting

- Auto-generate audit reports
- Report distribution workflow
- Auditee portal for response tracking

Follow-Up

- Collaborate with auditees
- Share issues with other systems
- Store insights for future use

Dashboard Page



Workflow Rules

TeamMate+ Felicia Best

Risk Assessment Insert Edit Document Request Admin **Workflow Rules** Self-Assessment

Exit Delete Rule Required Field

EXIT EDIT INSERT

Default Label	Workflow	Multiple Review...	Rules	Required
Audit Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	
Risk	<input type="checkbox"/>	<input type="checkbox"/>		
Control	<input type="checkbox"/>	<input type="checkbox"/>		
Audit Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2	
Must be Prepared before Reviewed				
Must be Prepared and Reviewed by Different Users				
Supporting Workpapers	<input type="checkbox"/>	<input type="checkbox"/>	1	
Issue	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	1
Recommendation	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Coaching Note	<input type="checkbox"/>		1	
Time Tracking	<input type="checkbox"/>			
Audit Assignment Phase Sign Off	<input checked="" type="checkbox"/>		2	
Folder	<input checked="" type="checkbox"/>	<input type="checkbox"/>		

Rules

- Issue on Failed Audit Test
- Can only be marked Prepared when Phase is Active
- Can only be marked Reviewed when Phase is Active

Continuous Risk Assessment

Continuous Risk Assessment

The screenshot displays the TeamMate+ interface for a risk assessment. The main table is titled '2019 Internal Audit Risk Assessment (Open)'. The table has the following columns: Title, Organizational Hierarchy, Accounts, Impact, Likelihood, Inherent, Control Environment, Management Insight, Residual, and Risk Comments. The data rows are as follows:

Title	Organizational Hierarchy	Accounts	Impact	Likelihood	Inherent	Control Environment	Management Insight	Residual	Risk Comments
Atlantic Incorporated					7.26			6.84	
Finance					6.36			5.86	
Corporate Accounting					6.20			5.60	
Accounts Receivable					7.20			6.80	
Financial Risk	Accounts Receiv...	1000-Cash, 103...			8.00			7.00	Edit/View
Operational Risk	Accounts Receiv...	1000-Cash, 103...			6.00			6.00	Edit/View
Strategic Risk	Accounts Receiv...	1030-Accounts ...			8.00			7.00	Edit/View
Information Technology Risk	Accounts Receiv...	1000-Cash, 103...			7.00			6.50	Edit/View
Compliance Risk	Accounts Receiv...	1030-Accounts ...			7.00			6.50	Edit/View

- Clear documentation of Risk Registers
- Create Risked-Based Audit Plan
- Risk Self-Assessments
- Roll Forward w/Post Audit Scores

Other Areas of Efficiency in Continuous Risk Assessments

- Leverage the **organizational hierarchy (view on risks)** from other compliance functions in the organization
- Ensure **coverage across** other risk management disciplines
- **Creation of dashboards** and reporting on top risks and audit issues identified
- Creation of **heat maps of key risks** affecting the overall business or areas of the organization with the highest risk scores

Continuous Risk Assessment Benefits

A better way to Identify and assess risks

- Make **decisions based on real time** insights
- Provide **greater coverage** without increasing audit resources
- **Improve the accuracy** of your audit plan
- Improved collaboration across risk functions
- Prioritize audits that will provide significant value

Risk Assessment

TeamMate+ Filter 63 Anthony Wanyoike

Assessment

Home Open Properties Assessment Delete Finalize Roll Forward Excel

HOME EDIT ADD ADMIN EXPORT

Search

Assessment Title	Description	State	Start Date	End Date
ISO Assessment		Open		
2018 ERM Assessment	ERM Assessment	Open	1/1/2018	12/1/2018
2018 Internal Controls Assessment	Assessment for Internal Controls over Financial Reporting (ICFR)	Open	1/1/2018	12/31/2018
Nigeria Airtel Risk Assessment		Open	8/1/2019	8/31/2019
2018 Audit Risk Assessment	Annual risk assessment for the audit plan	Open	1/1/2018	12/31/2019
2019 Audit Risk Assessment	Annual risk assessment for the audit plan	Open	1/1/2019	12/31/2019
2019 ERM Assessment	2018 ERM Assessment	Open	1/1/2019	12/31/2019
2019 Internal Control Assessment	Assessment for Internal Controls over Financial Reporting (ICFR)	Open	1/1/2019	12/31/2019
2019 Audit Risk Assessment	2019 Audit Risk Assessment	Open	1/1/2019	12/31/2019
2018 National Treasury Risk Assessment	2018 National Treasury Risk Assessment	Open	1/1/2019	12/31/2019
2020 National Treasury Risk Assessment	2020 National Treasury Risk Assessment	Open	1/1/2019	12/31/2019

Page 1 of 1 Total: 11

Risk Assessment – Scoring

The screenshot displays the 'Scoring Settings' interface in TeamMate+. The top navigation bar shows 'TeamMate+' and the user 'Anthony Wanyoike'. The main content area is divided into several sections:

- Scoring Formulas:** A dropdown menu is currently expanded to show 'Scoring Formulas'.
- Supported Operators:** Lists arithmetic operators (+, -, *, /, ^, %) and logical operators (=, !=, ||, &&, >, <, >=, <=).
- Supported Functions:** Lists mathematical functions like sqrt, sin, cos, tan, atan, acos, asin, acotan, exp, ln, log, sinh, cosh, tanh, abs, cell, floor, fac, sfac, round, fpart.
- Risk Scoring:** Contains two formula input fields: 'Risk Inherent Formula' with the value '(X+Y)/2' and 'Risk Residual Formula' with the value 'a'. An 'Add' button is located below these fields.
- Entity Scoring:** Contains two aggregation dropdown menus (both set to 'Average') and two formula input fields: 'Entity Inherent Formula' and 'Entity Residual Formula'. An 'Add' button is located below these fields.
- Scoring Bands:** Two tables are shown, one for Risk Scoring and one for Entity Scoring. Each table has columns for 'Range', 'Color', and 'Delete'.

Range	Color	Delete
Negative infinity through 4.00	Green	X
4.00 through 7.00	Yellow	X
7.00 Through positive infinity	Red	X

Dashboard Reporting

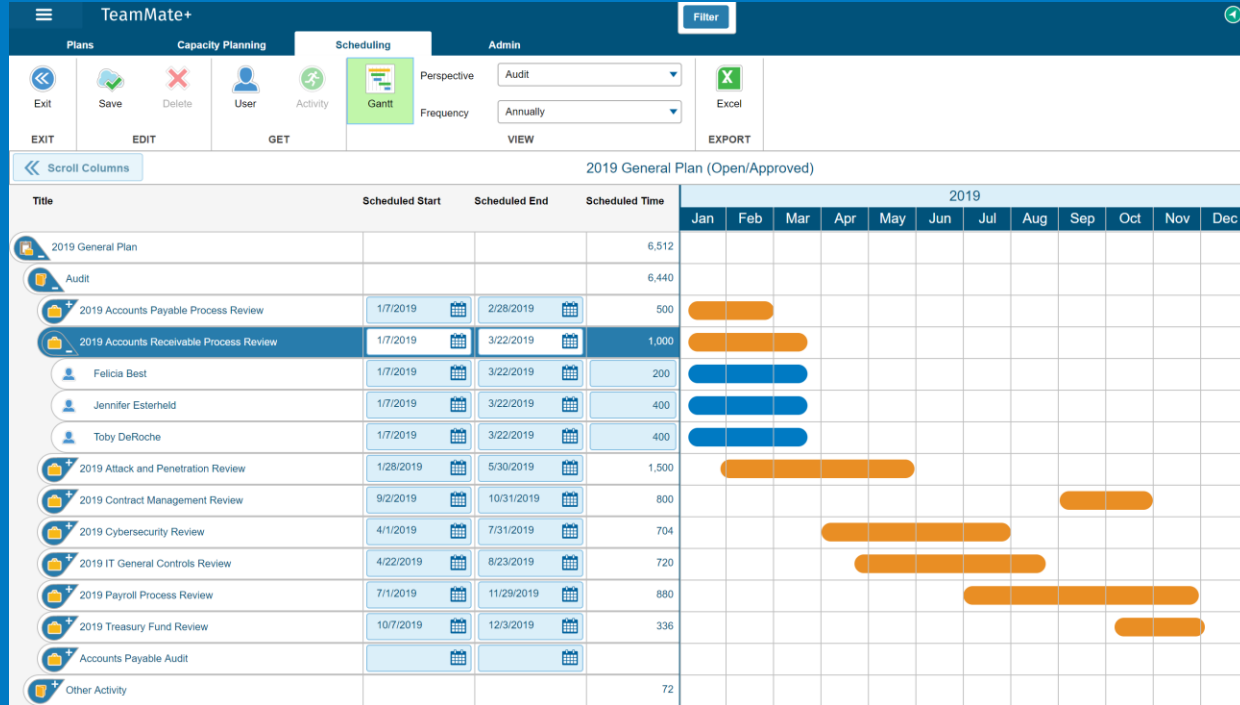


Audit Planning

Areas of Efficiency in Audit Planning / Scheduling

- **Flow through of the risk assessment to audit plan / schedule**
 - Understand project qualifications required
- **Alignment of personal skill** inventory to project needs/requirements
- Transparent personnel scheduling
- Informed about **upcoming schedules and related staffing needs**
- Compliance with IIA Standard 2200 – Engagement Planning
 - Staffing & Scheduling of appropriate levels of staff
- Ensures sufficient **utilization of staff**

Audit Planning/ Scheduling



Audit Execution

Top IIA QAR Finding -Timely Review of Work

Solution using technology:

Using an **audit management system** with **summary viewers** can **help you quickly** find what you are looking for and need to review:

- Filter on items reviewed/**reviewed by** a certain person
- Filter on items prepared/**prepared by** a certain person
- Filter on items edited after review
- Filter on high **priority/risk issues**
- Filter on any user-defined criteria

Audit Execution – Other Opportunities

- Electronic workpapers **improves productivity and efficiency** of the entire workflow process
- Incorporate your audit methodology into a **consistent and standard format**
- **Incorporate standard templates** for use in every audit or specific testing steps
- Creates **efficiency in the documentation and review** of work papers and audit steps – linkage of items
- **Less time documenting and more time auditing the key risk areas**
- **Improves quality of review**, audit program, and work papers

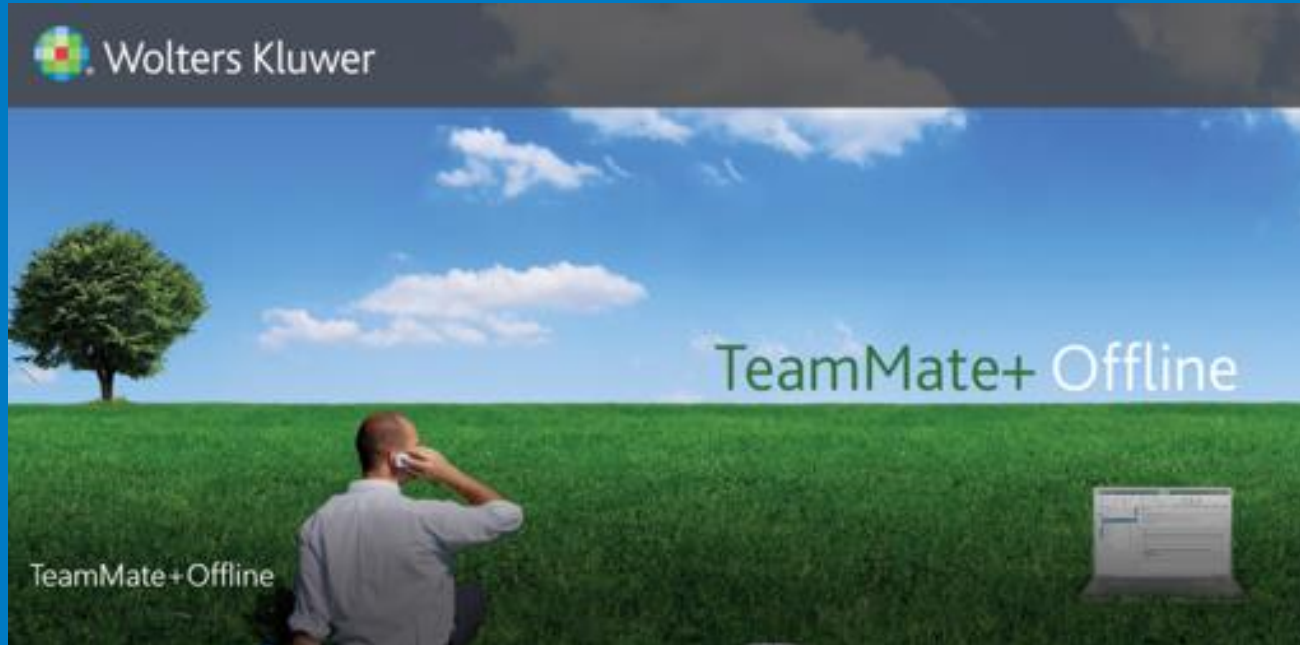


Question 3

How does your department review audit work?

- A. Real-time utilizing key summary viewers
- B. At the end of the audit in an audit management system
- C. When audit work is posted to a file share/Sharepoint site
- D. When work is emailed to me for review
- E. Other

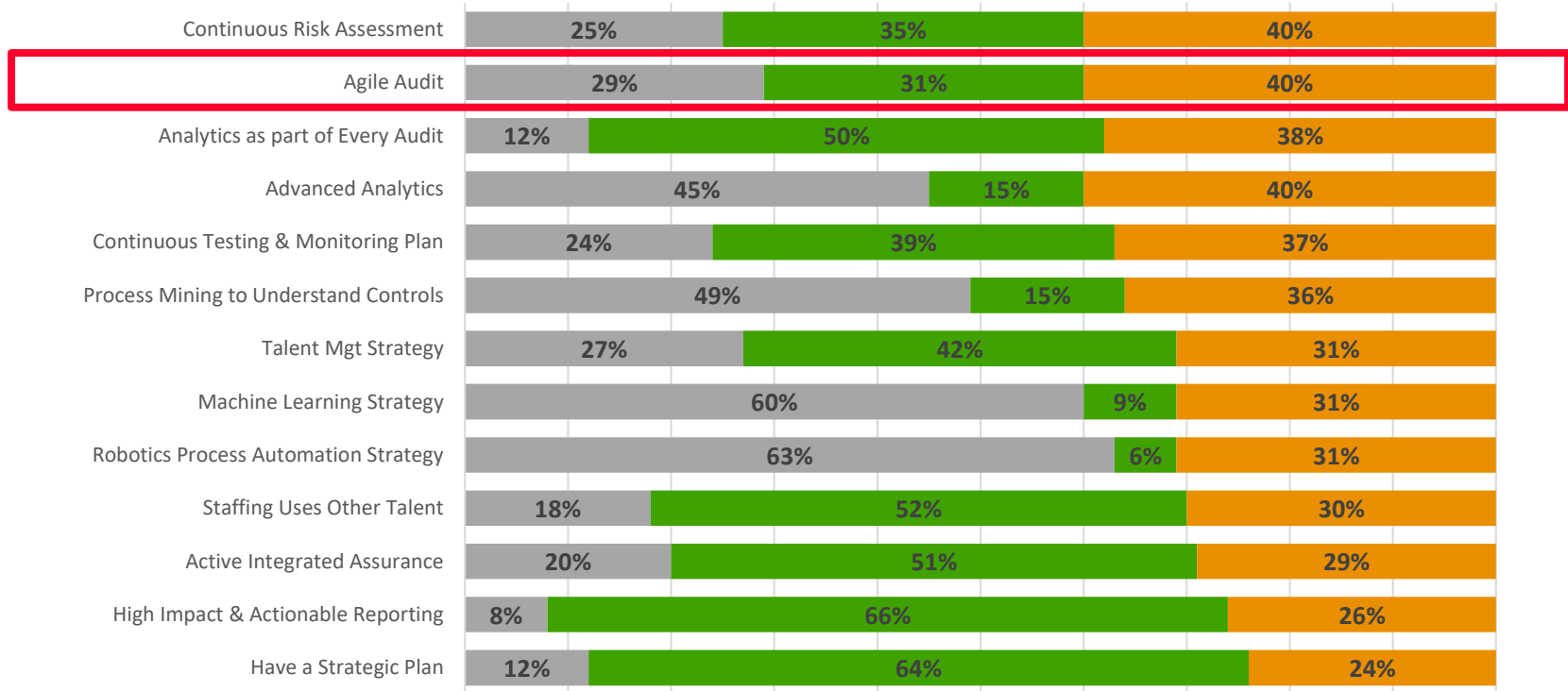
Offline Working



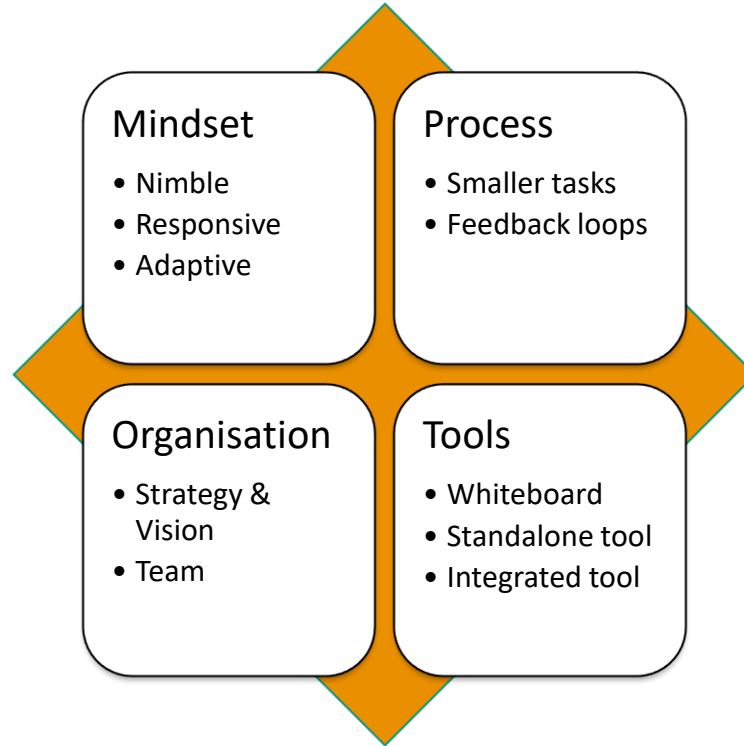
Agile Audit



Time to Change



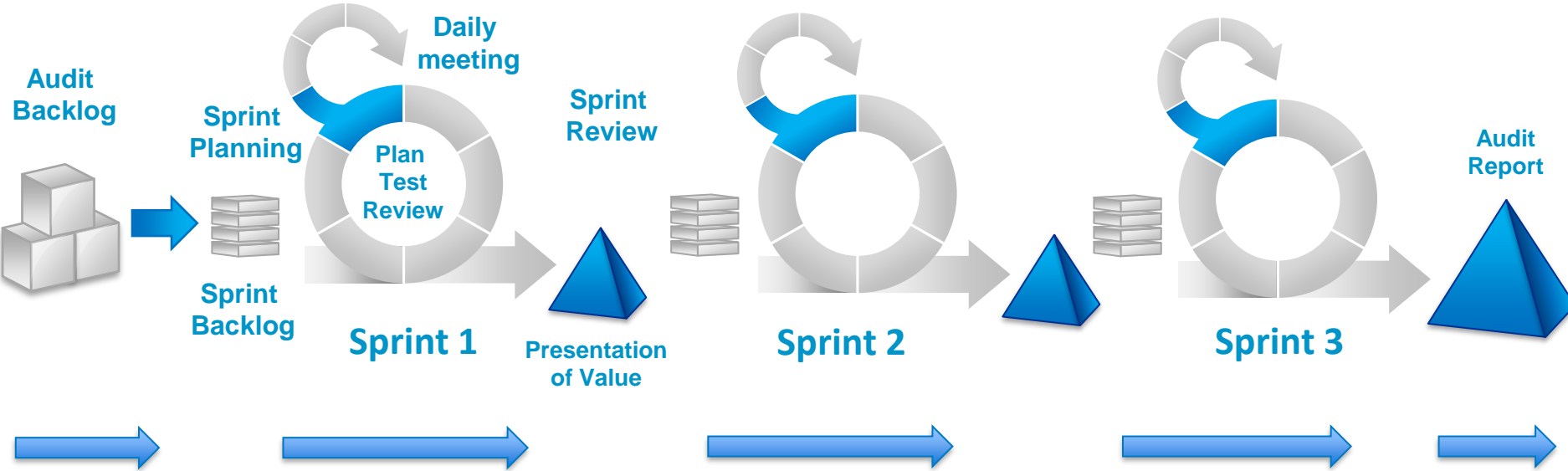
Being Agile



Audit Planning



Agile Audit Approach to Audit Execution



Benefits of Agile Auditing

 Increased efficiency

 Reduced time to deliver value

 Improved quality of work

 Optimisation of effort

 Knowledge sharing

 Innovation

Knowledge/Content Management



Polling Question: 3

What types of knowledge does your department maintain?

- Risks and Controls
- Audit Programs
- Standard Templates
- Common Issues
- Report Templates

Areas of Efficiency in Knowledge Management

- **Leverage existing content** to conduct reviews
- Maintain a collective knowledge base for future projects/auditors
- **Create relationships between objectives, risks, controls and test steps**
 - Linked risks/controls/test steps automatically flow from risk assessment to audit workpapers
 - “Head Start” in the overall audit planning process
- **Knowledge base** with content from audit management solutions
 - Perform a variety of audits with readily available programs – COBIT, HIPAA, Social Media, Business Process, FISCAM, etc.
- **Easily send new content to the knowledge base**
- Capture **Subject Matter Expert** content for future use

TeamStore – Content Management

The screenshot displays the TeamMate+ software interface. The top navigation bar includes 'TeamMate+', a 'Filter' button, and a user profile for 'Felicia Best'. Below this is a secondary navigation bar with tabs for 'Audit Assignment', 'Insert', 'Edit', 'Document Request', 'Admin', 'Audit Profile Information', and 'Audit Schedule'. A central toolbar contains icons for 'Exit', 'Folder Template', 'Objective', 'Strategic Risk', 'Risk', 'Control', 'Audit Test', and 'Supporting Workpapers'. The main workspace is a table titled '17-002 - Accounts Receivable Review (Open)'. The table has columns for 'Title', 'Progress', 'Document', 'Risk Description', 'Control Description', 'Record of Work Done', and 'Record of work Done'. The 'Segregation of shipping and billing functions' row is highlighted in blue. To the right, a sidebar menu titled 'TeamStore' lists various categories like 'Unapproved Standard Cabinet', 'General Cabinet', 'Finance', 'Accounting', 'General', 'Assets', and 'Inventory Management'. A search bar is located at the top of the sidebar.

Title	Progress	Document	Risk Description	Control Description	Record of Work Done	Record of work Done
Accounts Receivable Review						
Accounts Receivable	4 of 17					
Financial Risk						
Failure to bill customers				Edit/View		
Segregation of shipping and billing functions				Edit/View		
Segregation of duties					Edit/View	Fail
Reconciliation of shipping documents to invoices				Edit/View		
Monthly statements to customers				Edit/View		
Errors in updating GL accounts				Edit/View		
Bad debt writeoff accounts are not accurately maintai...				Edit/View		
Operational Risk						
Strategic Risk						
Information Technology Risk						

Time Tracking

TeamMate+ Felicja Best

Time Tracking | Approvals

Home Save Submit Un-Submit

HOME EDIT ACTIONS

Timesheet
[Previous Timesheet](#) 10/27/2019 [Next Timesheet](#)

Resource: Felicia Best Open Timesheets: 43 Workflow State: ▲ In Progress Due Date: 11/4/2019 Weekly Total Hours: 35.00

Time Category: Title:

Title	Su 27	Mo 28	Tu 29	We 30	Th 31	Fr 1	Sa 2	Weekly Total
2016 Corporate Accounting Audit (16-CORP-02)	X 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Corporate Accounting	X 0.00	0.00	0.00	6.00	0.00	8.00	0.00	14.00
Finance (2018 Fin -01)	X 8.00	8.00	0.00	0.00	5.00	0.00	0.00	21.00
2016 Corporate Accounting Audit (16-CORP-02) - Scheduled	X 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016 Corporate Accounting Audit (16-CORP-02) - Fieldwork	X 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	8.00	8.00	0.00	6.00	5.00	8.00	0.00	35.00

Approver Notes

Follow Up/Issue Tracking



Question: 4

How does your department currently track audit issues?

- A. Audit Management System
- B. Access Database
- C. Excel
- D. Other
- E. We do not track issues



Question: 5

How is your department notified by the business owner that an issue is remediated?

- A. Owners respond in an Audit Management System
- B. Owners send an email to department
- C. Audit department calls or emails the owner
- D. Other
- E. We do not track issue remediation

Issue Tracking

The screenshot displays the TeamMate+ interface for issue tracking. The top navigation bar includes a menu icon, the text "TeamMate+", a "Filter" button, and a user profile for "Toby DeRoche". Below the navigation bar, there are several functional buttons: Home, Save, Move Up, Move Down, Delete, Form View, Recomm..., Attachment, Dimension (set to "Organizational Hierarchy"), Perspective (set to "Issue Management"), Export, and Search. The main content area is divided into a left sidebar and a right main panel. The sidebar, titled "Tracking", contains a search bar and a list of issues, each with a status icon (warning or error) and a dropdown arrow. The main panel shows a detailed view of an issue titled "Establish an Agency-wide plan for achieving compliance with FedRAMP". This view includes sections for "Recommendation" and "Action Plan". The "Recommendation" section contains the text: "The Office of the Chief Information Officer, in coordination with appropriate officials, should establish a measurable plan for achieving compliance with FedRAMP." The "Action Plan" section contains the text: "The OCIO agreed with audit's finding and recommendation. Specifically, the OCIO will establish a measurable plan for achieving compliance with FedRAMP. The plan will contain compliance guidelines, provisions for oversight and achieving compliance. Furthermore, each Program Office will establish plans to coordinate with the overall Agency plan. The plan will be reviewed each quarter with expected completion date May 2017." At the bottom of the main panel, there are buttons for "Add Attachment" and "Post".

Notifications

TeamMate+ Felicia Best

Notifications Subscriptions

Home Open Mark As Read Mark As Unread Delete

HOME ACTIONS ADMIN

Type	State	Title	Due Date	Sent
<input type="checkbox"/>		Click on this link to open the Survey Legal Client Feedback		2/5/2019 10:35:27 PM
<input type="checkbox"/>		11/18/2018 Timesheet is due	11/28/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		8/12/2018 Timesheet is past due	8/20/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		8/19/2018 Timesheet is past due	8/27/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		8/26/2018 Timesheet is past due	9/3/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		9/2/2018 Timesheet is past due	9/10/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		9/9/2018 Timesheet is past due	9/17/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		9/16/2018 Timesheet is past due	9/24/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		9/23/2018 Timesheet is past due	10/1/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		9/30/2018 Timesheet is past due	10/8/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		10/7/2018 Timesheet is past due	10/15/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		10/14/2018 Timesheet is past due	10/22/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		10/21/2018 Timesheet is past due	10/29/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		10/28/2018 Timesheet is past due	11/5/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		11/4/2018 Timesheet is past due	11/12/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		11/11/2018 Timesheet is past due	11/19/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		5/6/2018 Timesheet is past due	5/14/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		5/13/2018 Timesheet is past due	5/21/2018	11/23/2018 7:32:57 AM
<input type="checkbox"/>		5/20/2018 Timesheet is past due	5/28/2018	11/23/2018 7:32:57 AM



Question: 6

Do you include findings from external parties in your tracking process?

- A. Yes
- B. No
- C. I don't know

Leverage Technology – Issue Tracking

- **2018 and 2019 Top IIA QAR Findings include:**
 - Findings from 3rd party reviews/audits should be included in the follow up process

Topic above can be managed and achieved using technology.

Source: IIA Top QAR Finding and Hot Topics for 2019

Reporting

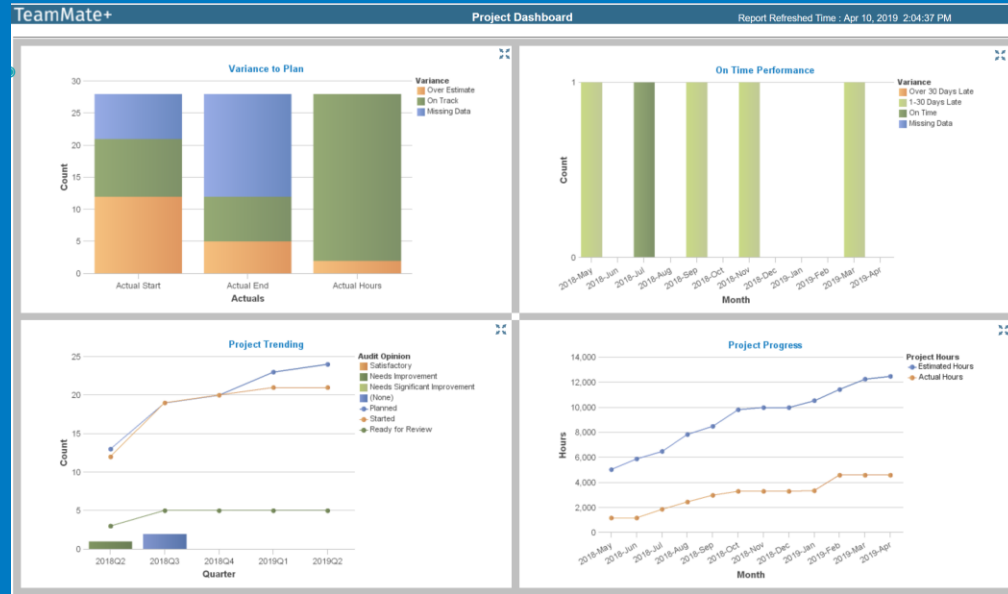
Issues And Recommendations

Report run at: Apr 10, 2019 2:06:21 PM

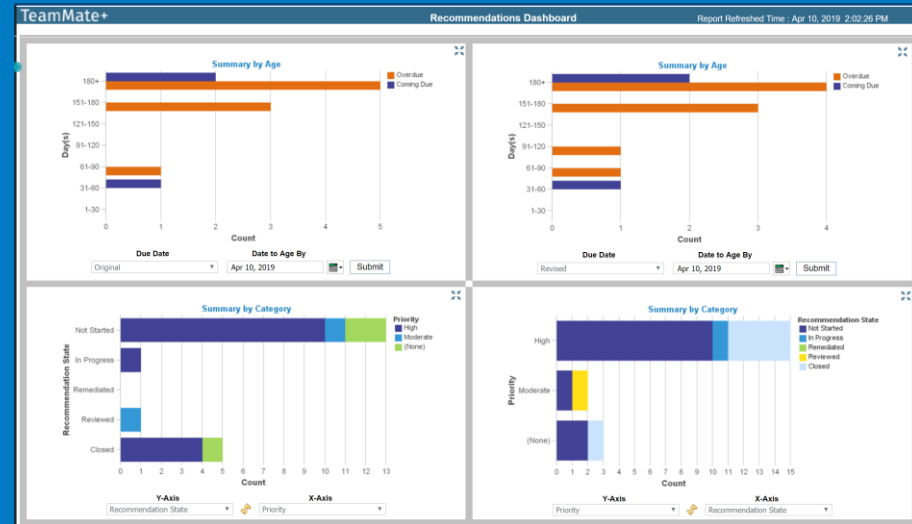
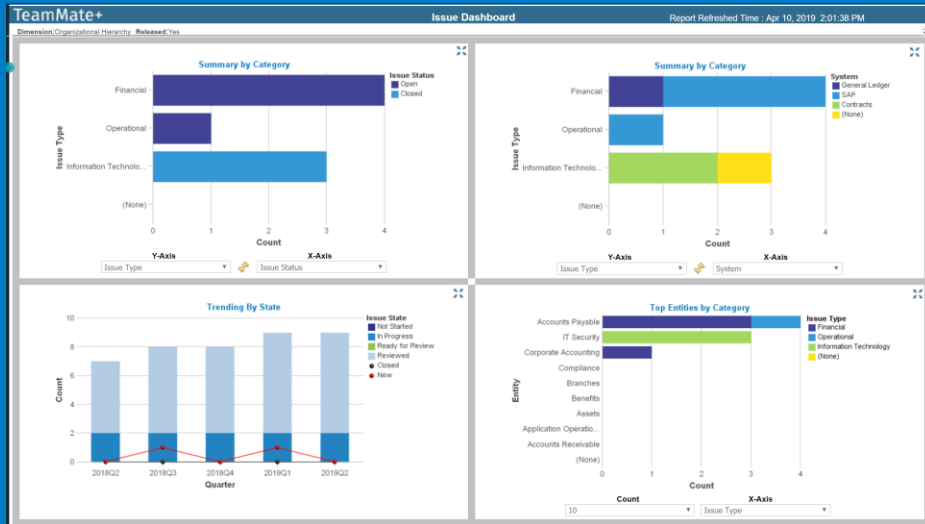
Filters +

Issue Title	Issue Type	Issue State	Root Cause	Rating	Recommendation Title	Due Date	Business Contact	Days Overdue
Approval was not obtained for vendor invoice payments	Operational	Ready for Review	Management Review	Significant	Approval should be obtained	Oct 31, 2018	Stephanie Hendry	116
Approval was not obtained for vendor invoice payments	Operational	Ready for Review	Management Review	Significant	Approval should be obtained	May 31, 2019	Stephanie Hendry	
Cloud Service Providers and Contracts not Compliant with FedRAMP	Information Technology	Closed-Verified	Non-compliance	Critical	Establish FedRAMP Compliance Guidelines and Oversight Plan	May 30, 2017	Ken Petersen	
Control for purchase discounts	Financial	Reviewed-Accepted	Non-compliance	Significant	Control needs to be in place for purchase discounts	Oct 26, 2018	Stephanie Hendry	119
Control for purchase discounts	Financial	Reviewed-Accepted	Non-compliance	Significant	Control needs to be in place for purchase discounts	Oct 26, 2019	Stephanie Hendry	
External Risk	Operational	Not Started		Significant	Update Policy	Mar 25, 2016	Colleen Knuff	794
Invoices are being paid without appropriate approval	Operational	Reviewed-Accepted	Management Review	Significant	Department Supervisors should approve all invoices prior to payment	May 31, 2016	Stephanie Hendry	747
IT Security Policy Review	Information Technology	Closed-Verified	Non-compliance	Significant	Approve IT Security Policy	Mar 4, 2016	Colleen Knuff	
Merchandise was not received prior to payment to the vendor	Financial	In Progress	Non-compliance	Critical	Merchandise should be received prior to payment	Oct 31, 2018	Stephanie Hendry	116
Merchandise was not received prior to payment to the vendor	Financial	In Progress	Non-compliance	Critical	Merchandise should be received prior to payment	Oct 31, 2019	Stephanie Hendry	
New		Not Started			New		Colin Borrowman, Joey Richardson, Randy Cowell, Business Contacts	
No controls in place to mitigate strategic organizational risks	Financial	Reviewed-Accepted	Non-compliance	Critical	Create and implement entity-wide controls to address and mitigate strategic risk	Apr 30, 2016	Matt Sullivan, Tony Maiello	
No evidence of consolidation account review		Ready for Review			Document evidence of review of consolidation accounts.	Jun 30, 2016	Andy Broughton	725
No Payment Request	Financial	In Progress		Significant	Add a review role	Jan 31, 2019	Robinson DeJesus, Stephanie Hendry	50
No Payment Request	Financial	In Progress		Significant	System should require Payment Request	Dec 28, 2017	Robinson DeJesus, Stephanie Hendry	335
No social media committee has been formed	Operational	Not Started	Management Review	Important	Senior Management should require social media committee participation	Dec 15, 2016	Ken Petersen	805
Overall Analysis of Cloud Services Contracts	Information Technology	Closed-Not Verified	Non-compliance	Critical	Establish an Agency-wide plan for achieving compliance with FedRAMP.	May 16, 2017	Ken Petersen	
Proper segregation of duties	Operational	Closed-Verified	Segregation of Duties	Important	Segregate user access		Stephanie Hendry	
Proper segregation of duties	Operational	Closed-Verified	Segregation of Duties	Important	Segregate user access		Stephanie Hendry	
Purchase discounts not taken	Operational	Ready for Review	Non-compliance	Critical	Purchase discounts should be taken	Jun 30, 2016	Stephanie Hendry	725

Dashboards



Issue and Recommendation Dashboards

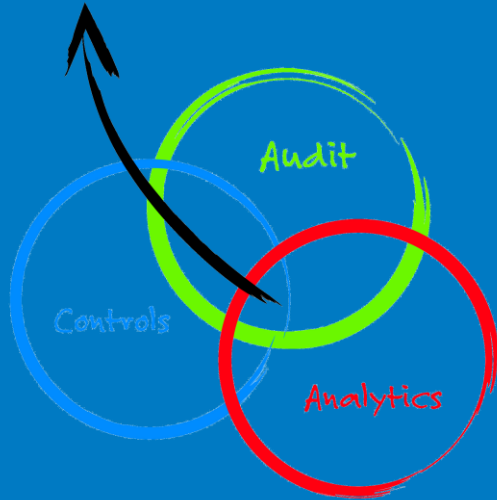


Data Analytics

Introduction to Data Analytics

Data Analytics - Attended

TeamMate®
Ecosystem for Audit



Attended
TeamMate Analytics

Data Analytics Tools and Features

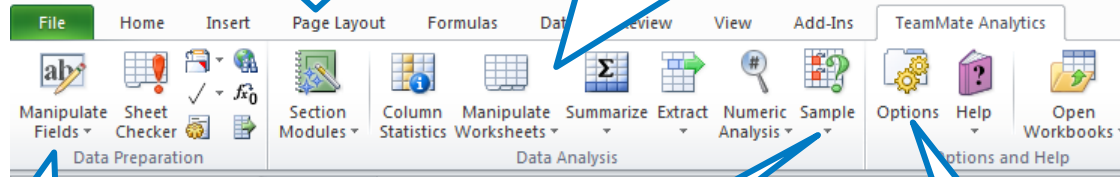
Section Modules

Revolutionary account-area focused modules that allow you to perform up to 17 tests at once on a single report

Data Analysis

The core tools that allow you to test in many different ways, including Benford's testing, summarization, gaps, duplicates, outliers and many more...

Plus, context-sensitive help, a comprehensive user manual and forum access



Toolbar

Data cleansing and excel productivity tools to make day-to-day working in excel easier and more efficient

Sampling

4 sampling routines including Monetary Unit Sampling (MUS) and random sampling

Engagement Setup

Store engagement details for recall and produce lead schedules

Section Modules

Perform up to 17 different test on a single data file in seconds!

The screenshot shows the 'Journal Listing Analysis' tool interface. It features a title bar with a question mark and a close button. Below the title bar is a welcome message: 'Welcome to the Journal Listing Analysis tool. Please select which analysis you wish to perform, and define your inputs where required'. The interface is divided into several sections, each with a green header and a light green background. The sections are: 1. 'Duplicate journals' with radio buttons for 'Pivot' and 'Report', and a 'Missing journals' section with a 'Mask' field containing 'CCCNMNNN' and a 'Non balancing journals' checkbox. 2. 'Over amount' with an 'Amount' field set to '60000', a 'Journal line' dropdown set to 'Total journal debits', and radio buttons for 'Pivot' and 'Report'. 3. 'Journals posted on' with checkboxes for days of the week (Saturday, Sunday, Monday, Tuesday, Wednesday, Thursday, Friday) and radio buttons for 'Pivot' and 'Report'. 4. 'Journals posted on specific dates' with a 'Dates defined' button and radio buttons for 'Pivot' and 'Report'. 5. 'Journals posted at specific times' with 'Start time' and 'End time' dropdowns (e.g., 19:00 to 07:00) and radio buttons for 'Pivot' and 'Report'. 6. 'Rounded amounts' with radio buttons for '1,000', '10,000', '100,000', and '1,000,000' and radio buttons for 'Pivot' and 'Report'. 7. 'Specific comments' with a 'Comments defined' button and a 'Multiple user, same journal' checkbox. 8. 'Summaries' with a grid of checkboxes for various summary types: 'Summary by user', 'Summary by period', 'Summary by source', 'Summary by user and account', 'Summary by period and user', 'Summary by period and account', and 'Summary by source and account'. At the bottom, there are buttons for 'Prepare Sheet (define ranges)', 'Add column statistics', 'OK', and 'Cancel'.

Separate Modules:

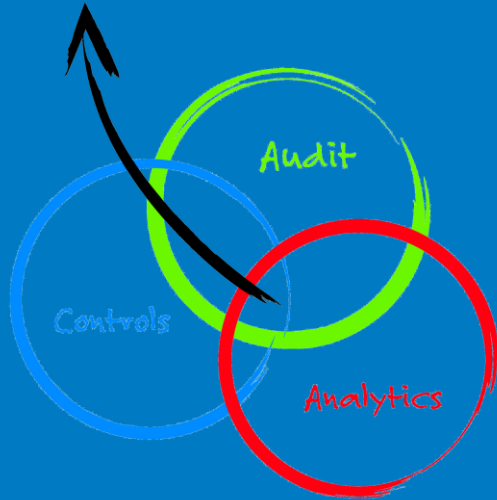
- Trade Payables (x2)
- Trade Receivables (x2)
- Inventory
- Non-Current Assets
- Journals
- Expenses

Analysis includes:

- Duplicate Items
- Missing Items
- Week day analysis
- Specific date analysis
- Comment analysis
- Time analysis
- Summarization
- Number analysis
- And much more...

RPA - UnAttended

TeamMate®
Ecosystem for Audit

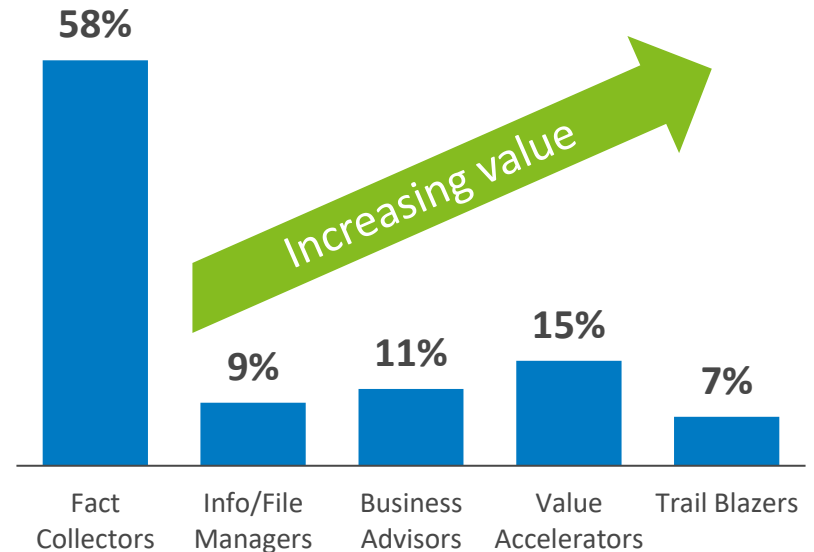


Unattended
RPA – Enterprise Continuous Monitoring

The Importance of Data Analytics

- Feed continuous risk assessment
- Continuous Monitoring
- Improves Resource Planning
- Provide greater value to the organization
- Increase level of assurance with 100% coverage
- Enhance credibility with stakeholders
- Increase speed and agility
- Enable remote testing
- Enhance Productivity

Touchstone maturity model - Data Analytics



***Please visit of TeamMate desk
outside for more info***

Contact details:

For more information visit:

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TeamMate Africa Partner: <http://www.azmasoft.com>

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Contacts in East Africa: admin@azmasoft.com / +254 20 2525802

Thank you!

The TeamMate Touchstone
industry audit study is live.



Wolters Kluwer

Share your insights.



https://www.surveymonkey.com/r/TM_Touchstone_Email



Visit www.TeamMateSolutions.com
for the latest in Internal Audit thought leadership and more.