

KEITH A. REGAN COMPTROLLER *KA LUNA HO'OMALU HANA LAULĀ*

CHRISTINE M. SAKUDA CHIEF INFORMATION OFFICER LUNA 'ENEHANA

STATE OF HAWAI'I | KA MOKU'ĀINA O HAWAI'I DEPARTMENT OF ACCOUNTING AND GENERAL SERVICES | KA 'OIHANA LOIHELU A LAWELAWE LAULĀ

OFFICE OF ENTERPRISE TECHNOLOGY SERVICES | KE'ENA HO'OLANA 'ENEHANA

P.O. BOX 119. HONOLULU. HAWAII 96810-0119

October 17, 2024

The Honorable Ronald D. Kouchi President of the Senate and Members of the Senate Thirty-Second State Legislature State Capitol, Room 409 Honolulu, Hawaii 96813

The Honorable Scott K. Saiki Speaker and Members of the House of Representatives Thirty-Second State Legislature State Capitol, Room 431 Honolulu, Hawaii 96813

Aloha Senate President Kouchi, Speaker Saiki, and Members of the Legislature:

Pursuant to HRS section 27-43.6, which requires the Chief Information Officer to submit applicable independent verification and validation (IV&V) reports to the Legislature within ten days of receiving the report, please find attached the report the Office of Enterprise Technology Services received for the State of Hawai'i, Department of Health, BHA Integrated Case Management System Project.

In accordance with HRS section 93-16, this report may be viewed electronically at http://ets.hawaii.gov (see "Reports").

Sincerely.

Christine M. Sakuda Chief Information Officer State of Hawai'i

Attachments (2)



Hawaii BHA Integrated Case Management System Project – Phase 4

IV&V Report for the period of

September 1 – September 30, 2024

Final Submitted: October 16, 2024

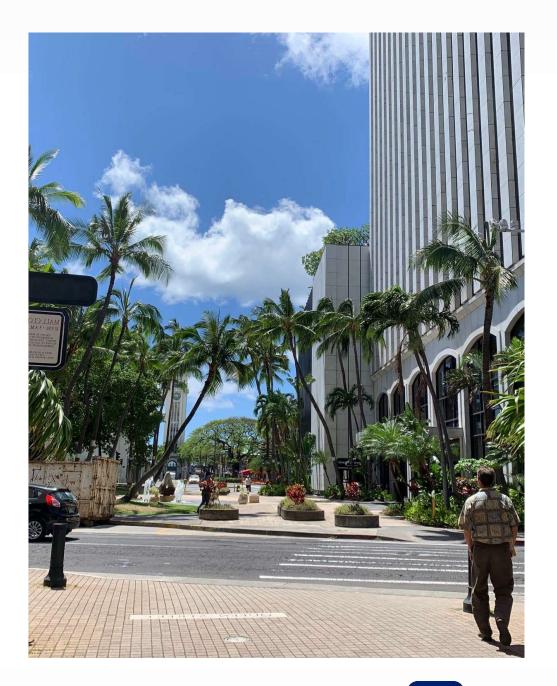


Agenda

Executive Summary IV&V Findings & Recommendations

Appendices

- A Rating Scales
- B Inputs
- C Project Trends





The Go-Live for Release 4.8 has been postponed from October 3, 2024, to October 7, 2024. This delay was caused by a Microsoft (MS) fix related to a previously raised Behavioral Health Services Administration (BHA) ticket, which introduced issues in the Provider Portal during System Integration Testing (SIT), halting manual regression testing. Microsoft rolled back the changes, allowing manual regression testing to resume. As of September 30, 2024, manual regression testing was scheduled to be completed on October 2, 2024, and the new Go-Live date was set for October 7, 2024.

The SI vendor deployed a fix for the Calculator production defect related to deleting service details. The SI has recently began providing the project with the total number of production defects. There are currently a total of 19 defects in the production system including 2 classified as 'high' severity and the remaining 17 as 'medium' severity. IV&V remains concerned about ongoing code quality issues and their continued impact on users due to post-production defects.

During this reporting period, BHA reported Provider Portal and the Calculator system performance problems. Microsoft conducted performance testing in June, however, the Developmental Disabilities Division (DDD) application was excluded due to the extensive size of the test script. Microsoft has reported testing of the DDD application will begin once Child & Adolescent Mental Health Division (CAMHD) and Portal application testing is complete. The performance test should help validate whether the INSPIRE system meets required performance standards and can effectively handle expected loads.

IV&V has closed one project schedule issue (Finding #36) and identified two new findings, both issues: one regarding the project's failure to adhere to the defect management process (Finding #46) and another concerning the absence of a documented governance process for restarting production systems (Finding #47). IV&V is concerned that disregarding the defect management process could lead to, among other things, defects that don't get fully resolved, while the lack of a documented governance process for system restarts may result in extended system downtimes.

Fast Healthcare Interoperability Resources (FHIR) development and testing are still ongoing. BHA has observed some of the FHIR functionality during testing. However, the project has not yet implemented regular Sprint Demos as part of Sprint Reviews. IV&V remains concerned that the absence of regular Sprint Reviews and Demos poses several potential risks to the project, including delayed stakeholder feedback, design misunderstandings, poor system designs, and unnecessary rework.

Although MedQuest is working with BHA to provide claims data for the AER Analytics project, the September 15, 2024, deadline for receiving historical and automated monthly claims data has passed. This delay may impact the planned Go-Live date in January 2025.



July	Aug	Sep	Category	IV&V Observations
Y	Y	Y	Sprint Planning	FHIR development and testing is ongoing. IV&V recommends the project establish regular Sprint Reviews and that BHA create a RACI matrix, to ensure Sprint Reviews and product backlog reviews include all appropriate stakeholders. IV&V will continue to discuss how best to use and integrate the RACI matrix in project work for Sprint Reviews and product backlog reviews. CAMHD has indicated that they conduct dedicated product backlog meetings monthly. IV&V recommends that BHA leverage the CAMHD process to review product backlogs.



July	Aug	Sep	Category	IV&V Observations	
G	G	G	User Story (US) Validation	There are no active findings in the User Story (US) Validation category, which remains Green (low criticality) for the September reporting period. IV&V will continue to monitor the US development and validation process in upcoming reporting periods.	
				Microsoft updated object properties in the Dynamics application, which broke the automated regression testing scripts, requiring manual regression testing. A Microsoft fix caused issues in the Provider Portal, halting testing. Microsoft later rolled back the changes, allowing manual regression testing to resume. As of September 30, 2024, manual regression testing was scheduled to be completed on October 2, 2024, and the new Go-Live date was set for October 7, 2024.	
Y	Y	Y	Test Practice Validation	IV&V continues to recommend the development and use of a RACI matrix to identify stakeholders who need to be involved in testing. BHA and IV&V reviewed the RACI matrix, with IV&V providing feedback. BHA is refining the matrix to clearly define roles and involve the right stakeholders for successful project outcomes. The SI vendor tracks test coverage manually using Excel, missing out on Azure DevOps capabilities for tracking test coverage and requirements traceability.	
				Performance testing was originally conducted from June 4 to June 12, 2024. However, the Developmental Disabilities Division (DDD) application was excluded from the testing scope due to the extensive size of its test script. Microsoft has reported that testing of the DDD application will begin once CAMHD and Portal application testing is completed.	
	The development of the improvements will commence once a SharePoint re		The development of the improvements will commence once a SharePoint resource is available.		
Release / Deployment Planning The SI vendor deployed a fix for the Calculator defect reservice details, with no other deployments in September		The SI vendor deployed a fix for the Calculator defect related to the deletion of service details, with no other deployments in September 2024. The R4.8 Go-Live was rescheduled from Thursday, 10/3/2024, to Monday, 10/7/2024, and IV&V will monitor the quality of the deployment.			

July	Aug	Sep	Category	IV&V Observations	
G	G	G	On-The-Job- Training (OJT) and Knowledge Transfer (KT) Sessions	This category remains Green (low criticality) for the September reporting period with no active findings.	
G	G	G	Targeted KT	This category remains Green (low criticality) for the September reporting period.	
G	G	G	Project Performance Metrics	There are no project performance metrics to report for the September reporting period. IV&V will keep this category's criticality rating Green (low criticality) and will continue to monitor.	
G	G	G	Organizational Maturity Assessment (OMA)	This category remains Green (low criticality) for the September reporting period. There are no outstanding findings in this category, and IV&V will continue to monitor.	



July	Aug	Sep	Category	IV&V Observations	
<	×	Y		The SI vendor has fixed the Calculator production defect related to deleting service details. As of 9/30/2024, there are a total of 19 defects in the production system including 2 classified as 'high' severity and the remaining 17 as 'medium' severity. IV&V will assess how the project defines and applies severity and priority classifications, providing recommendations aligned with best practices. At BHA's request, IV&V is also reviewing the draft SLA and will offer recommendations based on industry standards. The SI vendor added a column to the daily scrum file to indicate the environment where each defect was found. IV&V remains concerned about code quality issues impacting the project and user frustration with post-production defects.	
	1			Project Management The AER Analytics project is currently in the Data Prepare of development and is progressing as expected.	The AER Analytics project is currently in the Data Preparation and Modeling stages of development and is progressing as expected.
				Although MedQuest is collaborating with BHA to provide claims data, the 9/15/2024 deadline for receiving historical and automated monthly claims data has passed, potentially affecting the planned January 2025 Go-Live. IV&V is concerned that there are delays in the data delivery resulting in negative impacts or delays to schedule.	
				Some communication challenges remain between stakeholders on project aspects such as defect tracking and reporting and tracking and monitoring costs related to Big Rock functionalities. IV&V recommends that project teams maintain collaboration and information sharing across stakeholder groups to ensure a shared understanding in key project areas.	

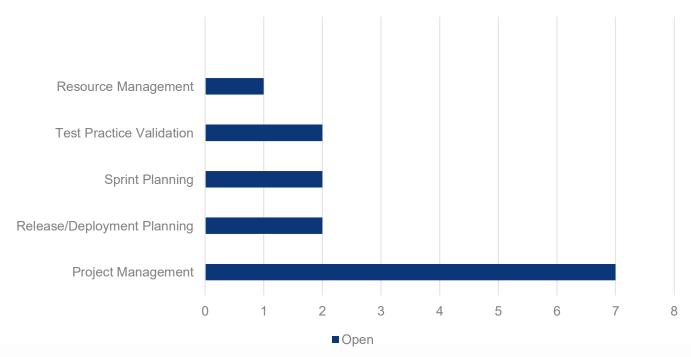


July	Aug	Sep	Category	IV&V Observations	
Y	Y	Y	Project Management (cont'd)	IV&V has provided options for BHA to track costs for large functionalities like the Provider Portal, and FHIR, along with tracking User Story Point (USP) allocation across categories. IV&V is concerned that overutilizing USPs for large functionality could lead to removing or reducing planned features, potentially impacting system effectiveness, user engagement, and expectations.	
Y	BHA has included a request for an IT Band B System Analyst position Biennium Budget for the next Legislative Session to strengthen Help D resources. IV&V remains concerned that the ongoing resource shortage of new additions to the DDD team over the past five months will continu		BHA has included a request for an IT Band B System Analyst position in the Biennium Budget for the next Legislative Session to strengthen Help Desk resources. IV&V remains concerned that the ongoing resource shortage and the lack of new additions to the DDD team over the past five months will continue to adversely affect the project. IV&V will continue to explore roles and tasks with BHA and make recommendations for staffing coverage.		



As of the September 2024 reporting period, three (3) new findings were opened, i.e., (2) Medium issues and one (1) Preliminary Concern, and eleven (11) open findings were updated – seven (7) Medium Issues, two (2) Medium Risks, one (1) Low Issue, and one(1) Preliminary Concern spread across the Release/Deployment Planning, Test Practice Validation, Sprint Planning, Project Management, and Resource Management assessment areas are currently open.







Assessment Categories

Throughout this project, IV&V verifies and validates activities performed in the following process areas:

- Sprint Planning
- User Story Validation
- Test Practice Validation
- Release / Deployment Planning
- On-the-Job Training (OJT) and Knowledge Transition (KT) Sessions
- Targeted Knowledge Transition (KT)
- Project Performance Metrics
- Organizational Maturity Assessment
- Project Management
- Resource Management



Sprint Planning

#	Key Findings	Criticality Rating		
31	Medium Risk: A lack of regular Sprint Reviews and Sprint Demos will likely lead to misalignments between delivered work and stakeholder needs. Finding Update: FHIR development and testing is currently on-going; BHA has seen some of the FHIR functionality during testing. The project is yet to have regular demos as part of Sprint Reviews. IV&V's recommendation continues to be that the project work to establish a regular cadence for Sprint Reviews.	M		
Recon	nmendations	Status		
(R4.2 a	ding to Agile Best Practices, IV&V recommends including Sprint Reviews and Demos in future releases and onwards). At the end of each sprint, conduct a sprint review meeting to demonstrate the completed o stakeholders and gather feedback. Use this feedback to refine and reprioritize the product backlog. For month sprint, IV&V recommends having more than one (1) demo during the sprint.	In Progress		
	e a stakeholder register to identify all stakeholders. List their identification, assessment, and classification. w the register regularly to plan appropriate stakeholder engagement.	In Progress		
	ter active participation from users and stakeholders during both Sprint Reviews and Sprint Demos. Shasize the value of iterative feedback to guide development and ensure that user needs are consistently			



Sprint Planning (cont'd)

Recommendations	Status
Establish standardized communication protocols for both Sprint Reviews and Sprint Demos. Encourage teams to deliver concise and informative progress reports, including achievements, challenges, and plans. This will enhance stakeholder engagement and project transparency.	In Progress
Institute a structured documentation process for Sprint Reviews and Sprint Demos. Document key decisions, action items, and insights from each session to ensure accountability and to support ongoing process improvement.	In Progress



Sprint Planning (cont'd)

#	Key Findings	Criticality Rating
	Medium Risk: The absence of separate dedicated product backlog review meetings can pose several challenges for a project team.	
41	Finding Update : IV&V continues to recommend the development and use of a RACI matrix to identify stakeholders who need to be involved in Sprint Reviews and product backlog reviews. BHA and IV&V reviewed the RACI matrix, with IV&V providing feedback. BHA continues to refine and develop the RACI matrix to clearly define the roles and involve the right stakeholders for successful project outcomes. IV&V will continue to discuss ways to use the RACI matrix in project work for product	M
	backlog reviews. CAMHD has indicated that they conduct dedicated product backlog meetings monthly. IV&V recommends that BHA leverage the CAMHD process to review product backlogs.	

Recommendations	Status
Separate dedicated product backlog review meetings (during Sprints) would allow clarifying any ambiguities or uncertainties, re-prioritization, estimation and refinement of backlog items. This would allow the project team to avoid situations where decisions about including items mid-Sprint would have to be taken.	Open
IV&V recommends scheduling separate dedicated product backlog review meetings (during Sprints) where all relevant stakeholders are invited to review the product backlog and scheduled at the appropriate time(s) such that there is sufficient time to plan the design, development, and implementation (DDI) of the next release(s).	Open



Test Practice Validation

#	Key Findings	Criticality Rating
	Medium Issue: As a result of automated regression testing not being comprehensively performed, production releases are breaking existing functionality in the production environment.	
2	Finding Update: Microsoft updated object properties in the Microsoft Dynamics application. According to Tricentis' research, the regression test scripts will need to be re-recorded to enable automated regression testing. As a result, the R4.8 regression testing, which began on 9/23/2024, is being conducted manually. Additionally, in a separate incident, a Microsoft fix related to a previously raised BHA ticket caused issues in the Provider Portal within the System Integration Testing (SIT) environment, halting manual regression testing. BHA escalated the outstanding MS ticket to Severity A, leading Microsoft to roll back the changes and allow manual regression testing to resume. As of September 30, 2024, manual regression testing was scheduled to be completed on October 2, 2024, and the new Go-Live date was set for October 7, 2024.	M

Recommendations	Status
Having board(s) in Azure DevOps or a document on SharePoint that provides information about the status of regression testing automation, to facilitate visibility and transparency to BHA project personnel and stakeholders.	In Progress
Schedule priorities should be reevaluated by distributing the work according to the resource bandwidth. This will ensure that the schedule is not impacted and that the work is done efficiently between regression testing and Golden Record (GR) tasks.	In Progress
Pursue and complete additional formal training in Azure DevOps and Tricentis for test automation as soon as possible and complete efforts to automate the two primary regression test scripts.	In Progress
Determine if current regression testing timeframes are adequate, and if not, add more time to the pre-production regression test efforts for all release deployments.	In Progress

Test Practice Validation (cont'd)

#	Key Findings	Criticality Rating
40	Medium Issue: Improvements to the testing process are needed to ensure adequate CAMHD participation and comprehensive testing of functionality prior to production deployment. Finding Update: BHA and IV&V reviewed the RACI matrix, with IV&V providing feedback. BHA continues to refine and develop the RACI matrix to define the roles clearly and involve the right stakeholders for successful project outcomes. The SI vendor currently tracks test coverage manually using Excel worksheets, missing out on the capabilities of Azure DevOps for tracking test coverage and requirements traceability.	M
Recor	nmendations	Status
	nas requested an overview of the testing process, with a focus on process such as tracking test coverage quirements traceability.	In Progress
risks a	ceholder Register helps identify and understand all project stakeholders, ensuring their needs are met and are managed through effective communication. A RACI clarifies roles and responsibilities, improving pration, decision-making, and resource management, which are all critical for the success of IT projects.	In Progress
Identif	Identify stakeholders (output is Stakeholder Register) and develop a RACI matrix for testing.	
Revie	w the overall testing process and implement any needed improvements identified.	Open



Release / Deployment Planning

#	Key Findings	Criticality Rating
43	Medium Issue: The execution time for the process for updating DDD SharePoint folders is unsatisfactory. Finding Update: The development of the improvements will commence once a SharePoint resource is available.	M
Rec	ommendations	Status
IV&\	/ recommends doing an impact analysis, e.g., downstream impact.	Open
enco	/ recommends that DDD puts on hold any development utilizing Power Automate for the performance issue buntered in production (marked "TBD" in finding #14 related to "SharePoint Bulk Flows still running") related User Stores, e.g., "Changes to DDD folders," and defects.	Open
IV&\	/ recommends evaluating other feasible options, e.g., leveraging SharePoint tools and best practices.	Open
A pr	oject issue should be opened to identify and manage the resolution of this issue.	Open



Release / Deployment Planning (cont'd)

#	Key Findings	Criticality Rating
	Low Issue: Due to ongoing deployment processes and technical execution issues, the project may continue to encounter defects and challenges, such as when releases are in production or in meeting projected timelines for production and non-production deployments.	
39	Finding Update: The SI vendor deployed a fix for the Calculator production defect related to the deletion of service details, with no other deployments in September 2024. The R4.8 Go-Live was rescheduled from Thursday, 10/3/2024, to Monday, 10/7/2024. As of September 30, 2024, manual regression testing was scheduled to be completed on October 2, 2024, and the new Go-Live date was set for October 7, 2024. IV&V will monitor the quality of the deployment.	

Recommendations	Status
The project should consider automating deployments for resource savings, increased efficiency, consistency, faster time to market, improved collaboration and reliability, scalability, version control integration, and rollback capability.	Open
Ensure there are adequate and qualified resources to support the current deployment processes. This may require support from RSM resources to provide assistance and knowledge transfer for some more complex deployment components.	Open
As appropriate, consult with RSM on best practices that BHA could employ to support deployment.	Open



Release / Deployment Planning (cont'd)

Recommendations	Status
Request the assistance of the RSM Solution Architect in reviewing and correcting issues associated with the consistency of configurations across environments, ensuring that the test environment is capable of testing ALL functions of any given release without the need for using multiple test environments.	Open
Request assistance from the RSM Solution Architect in reviewing deployment scripts to double-check for accuracy and completeness before commencing deployment activities.	Open
The Project Team should consider evaluating potential changes to improve/enhance existing processes and communications to address current release/deployment shortfalls.	Open
IV&V recommends performing a Root Cause Analysis (RCA) in collaboration with RSM for the continued concerns surrounding environment differences.	Open
IV&V recommends updating the Project's Configuration Management Plan to address the current needs of the Project. This should include specific checklists geared at ensuring repeatable promotional processes by DOH.	Open
Look at implementing 'hard' code freeze dates as well as test environment deployment dates to ensure that testing and deployment activities are not rushed.	Open
Ensure an operational and fully functional test environment is available to effectively conduct end-to-end regression testing prior to deploying a release to production.	Open
Develop a plan to institutionalize the execution of smoke testing for promotions to non-production and production environments. This will help to ensure that all components needed to test have been properly deployed prior to the actual execution of test activities.	Open



Project Management

#	Key Findings	Criticality Rating
44	Closed Preliminary Concern: Delays in the posting of administrative claims are negatively affecting reimbursements. Finding Update: To address the delayed claims postings, there has been improved coordination and communication with all involved parties. Based on the improved process, this Preliminary Concern was closed in the July 2024 reporting period.	N/A
Rec	ommendations	Status
ВНА	should continue research of this issue with MedQuest and PCG to identify any needed corrections.	Closed
ВНА	to present any needed corrections to CMS.	Closed

#	Key Findings	Criticality Rating
	Medium Issue: Due to multiple quality concerns, the project may continue to face impactful system defects.	
14	Finding Update: The SI vendor deployed a fix for the Calculator defect related to deleting service details. Based on IV&V's recommendation that the SI vendor provide the total number of defects in production and report these numbers regularly to BHA, as of 9/30/2024, the SI vendor reported a total of 19 defects in the production system including 2 classified as 'high' severity and the remaining 17 as 'medium' severity. IV&V will assess how the project defines and applies severity and priority classifications, providing recommendations aligned with best practices. At BHA's request, IV&V is also reviewing the draft Service Level Agreement (SLA) and will offer recommendations based on industry standards.	M
	Based on IV&V's recommendation, on 9/24/2024, the SI vendor added a column to the daily scrum file to indicate the environment where each defect was found. IV&V remains concerned that code quality issues continue to impact the project, and users continue to be impacted by post-production defects.	
Recon	nmendations	Status
	vendor add a "Found In" column to the daily scrum file to indicate the environment where each defect entified.	In Progress
The SI	vendor provides the total number of defects in production and reports these numbers regularly to BHA.	In Progress
Evalua	ate existing project staff skills and experience levels to ensure they meet BHA support requirements.	In Progress
Perfor	m CAMHD revenue neutrality fiscal balance testing on a quarterly basis to ensure revenues are as red.	In Progress

#	Key Findings	Criticality Rating
	Medium Issue: Performance bottlenecks with the INSPIRE production environment may result in low productivity and poor user experience.	
33	Finding Update: Performance testing was originally conducted from June 4 to June 12, 2024. However, the Developmental Disabilities Division (DDD) application was excluded from the testing scope due to the extensive size of its test script. The performance testing will include the DDD application as well. Microsoft reported that it is still testing the CAMHD and Portal applications. Once those tests are complete, testing of the DDD application will begin.	M

Recommendations	Status
IV&V recommends: BHA execute a performance test during the development of R4.6 (planned completion 5/20/2024), identifying test cases and scenarios that include both DDD and CAMHD functionality, transactions/functionality that are performance intensive, e.g., calculator functionality	In Progress
Conduct load and performance testing for each release that has significant new features/functionality, e.g., Calculator-related transactions.	Open
Create a plan for comprehensive performance testing and address any performance bottlenecks.	Open
Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform.	Open
Execute test scripts that measure the run-time for execution of long-running transactions. E.g., Calculator functionality/transactions and monitoring results over time.	Open



#	Key Findings	Criticality Rating
	Medium Issue: Lack of a comprehensive project schedule could lead to missed tasks, project delays, and cost overruns.	
36	Finding Update: The AER Analytics project is currently in the Data Preparation and Modeling stages, managed according to a defined project schedule. This schedule facilitates early identification and resolution of issues, such as delays in claims data, and allows for proactive planning and mitigation strategies. As a result, it reduces the likelihood of project delays and enhances transparency among stakeholders by offering clear visibility into project progress, thereby supporting informed decision-making. For these reasons, IV&V is closing this issue for the September 2024 reporting period.	N/A
Rec	ommendations	Status
	recommends that stakeholders discuss and agree on efficient processes for maintaining the project dule for an agile project.	Closed
	blish a clear project schedule management plan that outlines roles, responsibilities, and accountability for dule adherence.	Closed
	te and baseline a comprehensive project schedule for Phase 4 and future project phases in MS Project, rtsheet, or a similar tool, containing tasks for both SI vendor and State, task dependencies, and resourcing.	Closed
Imple	ement regular schedule reviews and updates to ensure alignment with project objectives and milestones.	Closed



#	Key Findings	Criticality Rating
42	Medium Issue: Effective governance and communication is lacking are lacking on the project. Finding update: There remain some communication challenges between stakeholders on project aspects such as defect tracking and reporting, and tracking and monitoring costs related to Big Rock functionalities. IV&V recommends project teams maintain collaboration and information sharing across stakeholder groups to ensure shared understanding in key project areas.	M
Rec	ommendations	Status
esca	Ite a Governance Structure: Implement a governance structure that defines decision-making processes, lation procedures, and accountability mechanisms. Clarify how decisions will be made, who has authority, how issues will be resolved.	Open
and	elop a Stakeholder Registry, RACI Matrix, and Stakeholder Engagement Plan: Identify key stakeholders develop a plan to engage them throughout the project lifecycle. Tailor communication strategies to address needs and preferences of different stakeholders, ensuring their active involvement and support.	Open
invo	rly Define Roles and Responsibilities: Clearly outlining the roles and responsibilities of each stakeholder ved in the project, would ensure that everyone understands their duties and how they contribute to the ect's success.	Open



Recommendations	Status
Encourage Open Communication and Feedback: Foster a culture of open communication and feedback where stakeholders feel comfortable sharing their thoughts, concerns, and suggestions. Encourage constructive dialogue and actively seek input to improve decision-making and problem-solving. Keep stakeholders informed about project progress, milestones, and key developments through regular updates and progress reports. Highlight achievements, challenges, and any changes to the project plan or scope.	Open
Resolve Conflicts Promptly: Address conflicts and disagreements among stakeholders promptly and professionally. Encourage dialogue, active listening, and compromise to find mutually acceptable solutions that support project goals.	Open
Manage Expectations: Manage stakeholders' expectations by setting realistic timelines, budgets, and deliverables. Foster a culture of transparency about project constraints and risks and	Open
Evaluate and Adapt: Continuously evaluate the effectiveness of governance and communication processes and adjust as needed. Solicit stakeholders' feedback to identify areas for improvement and continuously refine your approach.	Open



#	Key Findings	Criticality Rating
45	Preliminary Concern: The current process does not allow BHA to track actual costs versus budgeted costs for large functionalities such as Provider Portal and Maui Wildfire Communication. By incorporating a clear process that would allow BHA to monitor costs of large functionality, BHA could maintain better financial records, and it would allow BHA to track actual versus budgeted costs. Finding update: IV&V has provided options allowing BHA to track the costs of large functionalities such as Provider Portal, Maui Wildfire Communication, and FHIR for BHA's consideration. These options also enable tracking the allocation of a release' fixed number of User Story Points (USPs) across various categories or buckets by utilizing tags in Azure DevOps (ADO). IV&V is concerned that the overuse of USPs for implementing large-scale functionalities, such as FHIR, leads to removing or reducing planned features, potentially diminishing system effectiveness, reducing user engagement, and frustrating long-awaited feature expectations.	N/A



#	Key Findings	Criticality Rating
46	Medium Issue: Defect management process is not being followed. The project is not adhering to the defect tracking process outlined on page 8 of the BHA-ITS QA Test Plan Phase 1 Iteration 2 document, resulting in the failure to log all production defects. IV&V will work with BHA to create a plan to address the recommendations.	M
Rec	ommendations	Status
1. F 2. E 3. I 4. S 5. E 6. E 7. F	A recommends to: Reinforce the process by conducting regular training for all team members on the defect management process, emphasizing its importance in quality assurance. Establish clear guidelines: set specific guidelines for defect logging, including necessary details like severity, eproduction steps, and expected versus actual results. Designate a defect management lead or champion responsible for overseeing adherence to the process. Schedule regular meetings to review defect statuses, discuss challenges, and reinforce the importance of organic defects promptly. Establish accountability measures for defect management, such as incorporating defect resolution metrics into performance evaluations. Encourage Open Communication: promote collaboration between development, QA, and product teams to enhance understanding and commitment to defect resolution. Regularly assess compliance with the defect management process and adjust strategies as necessary. Implementing these recommendations, you can improve adherence to the defect management process and ance the overall quality and success of the IT project.	Open



#	Key Findings	Criticality Rating
47	Medium Issue: Documented governance process for restarting production systems. The lack of a documented governance process for restarting production systems can lead to several serious consequences such as increased downtime, compliance violations and data loss or corruption. IV&V will work with BHA to create a plan to address the recommendations.	M
Rec	ommendations	Status
cons 1. I 2. (2 3. I 4. (1 5. I 6. / 7. (1 8. (1 9. I 10. I	ddress the lack of a governance process for restarting production systems, IV&V recommends BHA sider the following recommendations: Establish Clear Policies and Procedures: Develop comprehensive documentation that outlines the policies or production restarts, including criteria for initiating a restart and roles involved. Create a Governance Committee to oversee and approve production restarts. Integrate the restart process into a broader change management framework. Conduct Risk Assessments: Perform risk assessments prior to restarts to identify potential impacts and mitigation strategies. Define Communication Protocols: Establish protocols for notifying all stakeholders about upcoming restarts, including timelines and expected impacts. Automate Restart Procedures where possible. Fraining and Awareness: Develop training programs for staff involved in the restart process to ensure they understand policies, procedures, and tools. Compliance and Audit Trails: Ensure that all restart actions are documented, creating a clear audit trail that can be reviewed later and regularly review compliance with established policies and procedures, and adjust them as necessary. Monitor and review to track the performance of production systems post-restart: Establish key performance indicators (KPIs) to monitor the performance of production systems after a restart. Document Lessons Learned after each restart: Conduct a review after each restart to document what went well and what could be improved.	Open

#	Key Findings	Criticality Rating
48	Preliminary Concern: Delays in the data delivery may result in negative impacts or delays to schedule. IV&V is concerned that there are delays in the data delivery resulting in negative impacts or delays to the project schedule.	M



Resource Management

#	Key Findings	Criticality Rating
34	Medium Issue: A shortage of BHA project resources could lead to reduced productivity and project delays. Finding Update: BHA is in the process of acquiring new staff to strengthen Help Desk resources. IV&V remains concerned that the ongoing resource shortage and the lack of new additions to the DDD team over the past five months will continue to adversely affect the project.	M

Recommendations	Status
BHA should explore options for offloading project team members' daily responsibilities to other staff.	In Progress
BHA should work quickly to backfill vacated project team member positions.	In Progress
BHA should identify tasks and duties that they can ask the SI to assume, as permitted by the contract, which are presently being handled by BHA members.	In Progress
BHA should explore the use of contractors to fill open project positions.	In Progress

IV&V Findings & Recommendations Project Performance Metrics

Metric	Description	IV&V Observations	IV&V Updates			
	Review and validate the velocity data as		Velocity	Metric Tre		
Velocity	project September: A fix for the Calculator production defect related to deleting service details. There	Planned velocity		•		
	on pace to hit the total target number of US/USP	were no other deployments in September 2024.	R4.8	111	TBD	TBD

Phase 4 Releases Cumulative Variance

	Release	Planned velocity	Actual velocity	Cumulative variance
	R4.1	309	114	-195
	R4.2	85	174	-106
	R4.3	85	124	-67
)	Golden Record Mid- Sprint Deployment (MSD)	0	68	1
	R4.4	240	225	-14
	R4.5	95	76	-33
	R4.6	84	103	-14
	R4.7	111	50	-75
	R4.8	111	TBD	TBD



Project Performance Metrics (cont'd.)

Metric	Description		IV&V Updates
Defect Metrics	 Understand and track the following: Defects by category (bug fixes) USPs assigned to defects in a release vs. USPs assigned to planned US in a release 	September - Other than a fix for the Calculator production defect related to deleting service details, there were no other deployments in September 2024.	NA

Note*: This defect percentage does not include defects under warranty that are assigned zero (0) User Story Points.

Appendix A: IV&V Rating Scales

Appendix AIV&V Rating Scales

This appendix provides the details of each finding and recommendation identified by IV&V. Project stakeholders are encouraged to review the findings and recommendations log details as needed.

- See Findings and Recommendations Log (provided under separate cover)
- IV&V Assessment Category Rating Definitions

The assessment category is under control and the current scope can be delivered within the current schedule.

The assessment category's risks and issues have been identified, and mitigation activities are effective. The overall impact of risk and issues is minimal.

The assessment category is proceeding according to plan (< 30 days late).

The assessment category is under control but also actively addressing resource, schedule or scope challenges that have arisen. There is a clear plan to get back on track.

The assessment category's risk and/or issues have been identified, and further mitigation is required to facilitate forward progress. The known impact of potential risks and known issues are likely to jeopardize the assessment category. Schedule issues are emerging (> 30 days but < 60 days late).

Project leadership attention is required to ensure the assessment category is under control.

The assessment category is not under control as there are serious problems with resources, schedule, or scope. A plan to get back on track is needed.

The assessment category's risks and issues pose significant challenges and require immediate mitigation and/or escalation. The project's ability to complete critical tasks and/or meet the project's objectives is compromised and is preventing the project from progressing forward.

Significant schedule issues exist (> 60 days late). Milestone and task completion dates will need to be re-planned. Executive management and/or project sponsorship attention is required to bring the assessment category under control.



Y

Appendix A

Finding Criticality Ratings

Criticality Rating	Definition
H	A high rating is assigned if there is a possibility of substantial impact to product quality, scope, cost, or schedule. A major disruption is likely, and the consequences would be unacceptable. A different approach is required. Mitigation strategies should be evaluated and acted upon immediately.
M	A medium rating is assigned if there is a possibility of moderate impact to product quality, scope, cost, or schedule. Some disruption is likely, and a different approach may be required. Mitigation strategies should be implemented as soon as feasible.
L	A low rating is assigned if there is a possibility of slight impact to product quality, scope, cost, or schedule. Minimal disruption is likely, and some oversight is most likely needed to ensure that the risk remains low. Mitigation strategies should be considered for implementation when possible.

Appendix B: Inputs

Appendix B

Inputs

This appendix identifies the artifacts and activities that serve as the basis for the IV&V observations.

Meetings attended during the August 2024 reporting period:

- 1. Daily Scrum Meetings
- 2. Daily Design Meetings
- 3. Twice Weekly RSM Issues Meeting
- 4. Weekly BHA-ITS Program Status Meeting
- 5. Bi-Weekly Check-in: CAMHD
- 6. Bi-Weekly Check-in: DDD
- 7. BHA (CAMHD & DDD) IV&V Joint Meeting
- 8. IV&V Draft IV&V Status Review Meeting with DOH
- IV&V Draft IV&V Status Review Meeting with RSM and DOH
- 10. DOH BHA IT Solution Project Steering Committee
- 11. US# Testing & Request Items
- 12. AER Analytics Bi-weekly Meeting

Eclipse IV&V® Base Standards and Checklists



Artifacts reviewed during the August 2024 reporting period:

- 1. Daily Scrum Notes
- 2. Twice Weekly Issues Meeting Notes
- Weekly BHA-ITS Program Status Report
- 4. Release 4.7 Relase Notes

Appendix C: Project Trends

Appendix C Project Trends

Process Area	December	January	February	March	April	May	June	July	August	September
User Story	December	January	rebruary	IVIAICII	April	iviay	Julie	July	August	September
Validation Test Practice										
Validation Sprint										
Planning Release /										
Deployment Planning										
OJT and KT Sessions										
Targeted KT										
Project Performance Metrics										
Organizational Maturity Metrics										
General Project Management										
Resource Management										
Total Open Findings	10	11	12	11	12	13	13	12	12	14
Issue - high	2	5	12	0	0	0	0	0	0	0
Issue - medium	4	4	12	8	8	8	8	8	8	10
Issue - low	0	0	12	0	1	1	1	1	1	1
Risk - high	1	0	12	0	0	0	0	0	0	0
Risk - medium	1	1	12	2	2	2	2	2	2	2
Risk - low	0	0	12	0	0	0	0	0	0	0
Preliminary Concern	2	1	12	1	1	2	2	1	1	2





Solutions that Matter

cc re	As a result of regression testing not being consistently performed, production	R3.3 introduced a defect that deprecated features in											
cc re			Thorough vetting and validation of regression test cases are	Having board(s) in Azure DevOps or a document on SharePoint that	9/30/24 - Microsoft updated object properties in the	Test Practice	Issue	Medium (pen	12	2/31/2019	Gautam	
re		production specific to Integrated Support and Life Trajectory	necessary to prevent defects when a release is pushed live.	provides information about the status of regression testing automation, to	Microsoft Dynamics application. According to Tricentis'	Validation						Gulvady	
	eleases are breaking existing functionality	functionality. DDD has informed IV&V that there are other	When defects occur in production, the project should follow a	facilitate visibility and transparency to BHA project personnel and	research, the regression test scripts will need to be re-								
		examples of functionality being deprecated after a release,	defined and repeatable process for determining the root cause		recorded to enable automated regression testing. As a								
			of the problem.		result, the R4.8 regression testing, which began on								
		IV&V has not evaluated the project's root cause analysis		2. IV&V recommends reevaluating the schedule priorities by distributing the									
		(RCA) process used to determine why such functionality was		work according to the resource bandwidth. This will ensure that the	separate incident, a Microsoft fix related to a previously								
		deprecated but will discuss further with BHA in January		schedule is not impacted and that the work is done efficiently between	raised BHA ticket caused issues in the Provider Portal within								
		2020.		regression testing and Golden Record (GR).	the System Integration Testing (SIT) environment, halting								
		2020.		regression testing and dolden necord (dity.	manual regression testing. BHA escalated the outstanding								
				3. Pursue and complete additional formal training in Azure DevOps and	MS ticket to Severity A, leading Microsoft to roll back the								
				Tricentis for test automation as soon and complete efforts to automate the	changes and allow manual regression testing to resume. As								
				·									
				two primary regression test scripts.	of September 30, 2024, manual regression testing was								
				many Lang Language L. L	scheduled to be completed on October 2, 2024, and the								
				IV&V recommends DDD and CAMHD to develop a common and consistent	new Go-Live date was set for October 7, 2024.								
				approach across divisions for performing regression testing.	0/04/0004 00141								
				And the second of the second o	8/31/2024 - BHA has raised a support ticket with Tricentis		l					l	
				4. Determine if current regression testing timeframes are adequate and if	to resolve the ongoing issue that is causing failures in BHA's		l	1 1				l	
1 1				not, add more time to the pre-production regression test efforts for all	existing regression test scripts and is following up with		1	1 1				l	
	l			release deployments.	Microsoft as well. Tricentis has scheduled a remote session		l					l	
1 1					on 9/5/2024 to research and resolve the issue. Delays in		1	1 1				l	
				Updating the regression test scripts to ensure consistency with system	resolving this Tosca issue will require regression testing to								
				configuration.	be done manually until it's resolved. It is unclear whether								
				Modifying release schedules to allow for regression testing timeframes	BHA will need to modify the test scripts to address this								
				Planning releases by functionality type to avoid unnecessary repetitive work	issue.								
				being performed in any given section of the solution.									
				Performing regression testing after every release, or possibly every other	7/31/2024 - R4.7 regression testing was done manually								
				release, or potentially tying regression tests to full solution upgrade	because Microsoft updated properties resulting in Tosca								
				releases. In addition, consider alternating the DDD and CAMHD scripts every	scripts being unable to execute - an issue is logged in Azure								
				other release.	DevOps. The testing was completed and passed								
				Modifying regression test scripts to start AFTER case creation, limiting the	successfully. The fixes for bugs (2 from R4.7, 3 from R4.6)								
				time it takes to execute.	that resulted from the R4.7 and R4.6 regression testing will								
				(This recommendation was for a point in time and is no longer valid.)	be deployed in future releases. R4.7 go-live is on track to be								
14 D	Due to multiple quality concerns, the	System defects identified in August that affected claims	The identified quality issues have negatively affected DOH	The SI vendor add a "Found In" column to the daily scrum file to indicate	9/30/24 - The SI vendor deployed a fix for the Calculator	Project Management	Issue	Medium (pen	9/	/30/2020	Gautam	
p.	project may continue to face impactful	were due to multi-faceted quality issues were individually	billing processes and DOH has stated these are the most	the environment where each defect was identified.	defect related to deleting service details. Based on IV&V's	, ,				- 1		Gulvady	
		addressed during this reporting period. IV&V notes that	impactful defects discovered to date.		recommendation that the SI vendor provide the total							l '	
	·	there is one remaining defect still being evaluated that	'	The SI vendor provides the total number of defects in production and	number of defects in production and report these numbers								
		affects a limited number of claims. Overall, the Project Team		reports these numbers regularly to BHA.	regularly to BHA, as of 9/24/2024, the SI vendor reported a								
		has responded with a commitment to increase project			total of 19 production defects. IV&V will assess how the								
		quality and is in the process of identifying improvements to		Evaluate existing project staff skills and experience level to ensure they	project defines and applies severity and priority								
		associated testing processes. These currently include:		meet BHA support requirements.	classifications, providing recommendations aligned with								
		Performing Revenue Neutrality Testing to ensure expected		meet of its support requirements.	best practices. At BHA's request, IV&V is also reviewing the								
		revenue streams are largely unchanged from one period to		Perform CAMHD revenue neutrality fiscal balance testing on a quarterly	draft Service Level Agreement (SLA) and will offer								
		the next. Conducting System Integration Testing, User		basis to ensure revenues are as expected.	recommendations based on industry standards.		l					l	
1 1		Acceptance Testing, Performance Testing, and Regression		busis to crisule revenues are as expected.	Based on IV&V's recommendation, on 9/24/2024, the SI		1	1 1				l	
		Testing for Release 3.10. IV&V will continue to monitor the			vendor added a column to the daily scrum file to indicate		l	1 1				l	
				Assign declinated assessment to provide a consider of CANALIS Street Services			l	1 1				l	
1 1		testing efforts throughout the balance of Release 3.10 and		Assign dedicated resources to provide oversight of CAMHD Fiscal Processes.	the environment where each defect was found. IV&V		1	1 1				l	
		validate that enhanced quality processes, including industry		No. 1 Constitution of the	remains concerned that code quality issues continue to		l	1 1				l	
		standard regression testing, continue for Agile Release 3.11		Monitor implemented improvements for effectiveness.	impact the project, and users continue to be impacted by		l					l	
1 1		forward. Finally, IV&V reviewed and provided feedback on			post-production defects.]	1	1 1				l	
		the Help Desk and Semantic Layer design documents per		IV&V recommends performing an RCA in collaboration with RSM after all	L		l	1 1				l	
		request and found that both documents lacked design		future release deployments for continual quality improvement.	8/31/2024 - IVV remains concerned that code quality issues		l					l	
1 1		details.			continue to impact the project, and users continue to be]	1	1 1				l	
				BHA and RSM to collaborate on the necessary revisions to the submitted	impacted by post-production bugs. For example, DDD users		l	1 1				l	
	l			design deliverables to increase level of detail and quality.	encountered a major production Calculator bug involving		l					l	
					the deletion of service details. DDD considered rolling back		l	1 1				l	
				Perform typical project testing including System Integration, User	Calculator functionality to a previous build (Calculator 3.2);		l	1 1				l	
				Acceptance, Performance, and Regression Testing.	however, the SI vendor stated that rolling back would have		l	1 1				l	
				Dedicate sufficient time in between releases for BHA and RSM to	re-introduced a timeout issue that BHA encountered at the		l					l	
	l			execute/implement RCA correction actions to reduce the volume of	end of 2022. Therefore, DDD agreed to have the SI develop		l					l	
				unplanned rework.	a hotfix instead. R4.7 has one other critical post-production		l	1 1				l	
					defect that the SI vendor is currently working on fixing.		l					l	
1 1					The SI vendor is also working on fixing a critical R4.7 defect]	1	1 1				l	
					and a high-priority defect from an earlier release. Once the		l	1 1				l	
	l				fixes are completed, they will be deployed in a Mid-Sprint		l					l	
					Deployment (MSD), IV&V recommends that BHA request		l	1 1				l	

ID I	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	
21	Look of any des Contat Devices and Co.	Continuing the continue and of continue description	Board on Arile Deat Dresting Conint Danses	According to Acids Days Daysting 1979 Variance and inch. 1979 Co. 19	0/20/24 FUID development and testing is as at	Conint Dispuis	Diel.	A 4 m di com	0		7/26/2022	Courter	
	Lack of regular Sprint Reviews and Sprint Demos will likely lead to misalignments	Earlier in the project, end-of-sprint demos were conducted. Sprint reviews/demos help to bring alignment across the	Based on Agile Best Practices, Sprint Demos or reviews occur during a sprint with the development team, scrum master, and	According to Agile Best Practices, IV&V recommends including Sprint reviews and demos in future releases (R4.2 and onwards).	9/30/24 - FHIR development and testing is currently on- going: BHA has seen some of the FHIR functionality during	Sprint Planning	Risk	Medium	Open		7/26/2023	Gautam Gulvady	
	between delivered work and stakeholder		r product owner and and gives all relevant stakeholders the	reviews and demos in ruture releases (K4.2 and onwards).	0 0							Guivady	
	needs.			1 4444	testing. The project is yet to have regular demos as part of								
1 1	needs.	better software and teams. Sprint demos /reviews showcase the main functionality to stakeholders and incorporate their		1. At the end of each sprint, conduct a sprint review meeting to	Sprint Reviews. IV&V's recommendation continues to be								
		feedback. Currently, the project has joint testing involving	important metrics and outcomes, and confirm if the Sprint goal has been achieved. This approach would also help prioritize	demonstrate the completed work to stakeholders and gather feedback. Use this feedback to refine and reprioritize the product backlog. For a 2-month	that the project work to establish a regular cadence for Sprint Reviews.								
		the SI and BHA personnel. Per Agile Best practices, IV&V	and prepare the backlog for the next Sprint.	sprint, IV&V recommends having more than one (1) demo during the sprint.	Spriit Reviews.								
		believes having Sprint demos/reviews during a sprint helps	and prepare the backlog for the next sprint.	sprint, IV&V recommends having more than one (1) demo during the sprint.	8/31/2024 - The SI vendor demonstrated an overview of the								
		clarify and validate design prior to testing, steer the team in	Regular Sprint Reviews and demos strengthen the	Create a stakeholder register to identify all stakeholders. List their	Maui Wildfire communication functionality to stakeholders								
		the right direction, and help to avoid big mistakes. This	collaboration between development teams and stakeholders	identification, assessment, and classification. Review the register regularly	on 7/9/24, however, the project is yet to have regular								
		would also allow the testing team to focus solely on testing,	by enhancing communication channels and validating project	to plan appropriate stakeholder engagement.	demos as part of Sprint Reviews. Not having regular sprint								
		which is beneficial.	objectives and ensuring that sprint deliverables remain	to plan appropriate stakeholder engagement.	demos as part of Sprint Reviews, Not having regular Sprint demos as part of the Sprint Review process poses several								
		William Delicinous.	consistent with stakeholder requirements.	3.Foster active participation from users and stakeholders during both Sprint	risks, for example, delayed feedback, decreased stakeholder								
			consistent with statements requirements.	Reviews and Sprint Demos. Emphasize the value of iterative feedback to	engagement, and increased risk of discovering critical issues								
			They are a great opportunity for the product owner,	guide development and ensure that user needs are consistently met.	too late in the process. BHA personnel have participated in								
			stakeholders, and the team to review what's being delivered	guide development and ensure that user needs are consistently met.	FHIR testing, and a date for a FHIR demo has yet to be								
			and receive feedback. This way, the team can gauge responses	4. Establish standardized communication protocols for both Sprint Reviews	finalized. Product demos can provide an important								
			and make observations earlier during development and not	and Sprint Demos. Encourage teams to deliver concise and informative	feedback loop that helps ensure that the product meets								
			later during testing.	progress reports, including achievements, challenges, and plans. This will	user needs and expectations.								
			local during cesting.	enhance stakeholder engagement and project transparency.	aser needs and expectations.								
			Celebrating the team's accomplishments is also an essential	emance statemoraer engagement and project transparency.	7/31/2024 - The SI vendor demonstrated the Maui Wildfire								
	l			5. Institute a structured documentation process for both activities.	communication functionality to stakeholders on 7/9/24,				1				
			the team in the right direction and avoiding big mistakes.	Document key decisions, action items, and insights from each session to	and it seemed to be productive. The date for the FHIR								
			the team in the right direction and avoiding big mistakes.	ensure accountability and to support ongoing process improvement.	demo is yet to be finalized. Although this is progress, the								
			It's interesting to note that the Sprint Demo could bring to	ensure accountability and to support ongoing process improvement.	project is yet to demonstrate regular demos as part of the								
			light bugs such as R4.1 bug 34055 on the Portal, where the		Sprint Review.								
			checkbox is on the left of the text.		sprint keview.								
			checkbox is on the left of the text.		C/20/2024 The Classical description Administration								
	l				6/30/2024 - The SI vendor will demonstrate Maui Wildfire communication functionality to stakeholders on 7/9/24.				1				
			1									1	
					The date for the FHIR demo is yet to be finalized.								
					5 (04 (0004 D III III III								
					5/31/2024 - Per discussions regarding new								
l					functionality/features in R4.6, the SI vendor will				_			_	
	Performance bottlenecks with the INSPIRE	Performance issues have been identified that have the	Developmental Disability Division (DDD) personnel are	IV&V recommends: BHA execute a performance test during the	9/30/24 - Performance testing was originally conducted	Project Management	Issue	Medium	Open		8/18/2023	Gautam	
	production environment may result in low	potential to impact the system's functionality, user	encountering performance issues with re-assigning cases and	development of R4.6 (planned completion 5/20/2024), identifying test	from June 4 to June 12, 2024. However, the Developmental							Gulvady	
1	productivity and poor user experience.	experience, and the overall reliability of the system. These	opening the DDD – Contact Notes (Fiscal View – Complete)	cases and scenarios that include both DDD and CAMHD functionality,	Disabilities Division (DDD) application was excluded from								
		performance issues warrant immediate attention and	view. CAMHD has not reported performance issues.	transactions/functionality that are performance intensive, e.g., calculator	the testing scope due to the extensive size of its test script.								
		resolution.		functionality	The performance testing will include the DDD application as								
					well. Microsoft reported that it is still testing the CAMHD								
				Conduct load and performance testing for each release that has									
		The last performance test was executed in June 2023 for			and Portal applications. Once those tests are complete,								
	J	Phase 3 releases (R3.x). ~800+ new User Story Points (USPs)		significant new features/functionality, e.g., calculator-related transactions.	testing of the DDD application will begin.								
1 1		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions.	testing of the DDD application will begin.								
1		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs)		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions.	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks.	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024. Stakeholders are currently awaiting								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024. Stakeholders are currently awaiting incrosoft's performance test report. The Performance Test								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks.	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024. Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform.	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024 - Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024. Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024. Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads.								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024. Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024. Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test propt should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tuesday, 6/4/24, through Wednesday, 6/12/24;								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024 - Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tuesday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024. Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tuesday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in August 2024. Behavioral Health Administration (BHA)								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024 - Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tuesday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024. Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tuesday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in August 2024. Behavioral Health Administration (BHA) personnel reported no recent performance issues.								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024 - Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test propt should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tucsday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in August 2024. Behavioral Health Administration (BHA) personnel reported no recent performance issues. 6/30/2024 - Microsoft executed the performance test from								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024. Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tuesday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in August 2024. Behavioral Health Administration (BHA) personnel reported no recent performance issues.								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024 - Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test propt should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tucsday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in August 2024. Behavioral Health Administration (BHA) personnel reported no recent performance issues. 6/30/2024 - Microsoft executed the performance test from								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024 - Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tuesday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in August 2024. Behavioral Health Administration (BHA) personnel reported no recent performance issues. 6/30/2024 - Microsoft executed the performance test from Tuesday, 6/4/24 - Wednesday, 6/12/24 - stakeholders are								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024 - Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tuesday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in August 2024. Behavioral Health Administration (BHA) personnel reported no recent performance issues. 6/30/2024 - Microsoft executed the performance test from Tuesday, 6/4/24 - Wednesday, 6/12/24 - stakeholders are								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024. Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tuesday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in August 2024. Behavioral Health Administration (BHA) personnel reported on recent performance issues. 6/30/2024 - Microsoft executed the performance test from Tuesday, 6/4/24 — Wednesday, 6/12/24 - stakeholders are awaiting delivery of the report.								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024 - Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tuesday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in August 2024. Behavioral Health Administration (BHA) personnel reported no recent performance issues. 6/30/2024 - Microsoft executed the performance test from Tuesday, 6/4/24 - Wednesday, 6/12/24 - stakeholders are awaiting delivery of the report.								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024 - Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tucsday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in August 2024. Behavioral Health Administration (BHA) personnel reported no recent performance issues. 6/30/2024 - Microsoft executed the performance test from Tuesday, 6/4/24 - Wednesday, 6/12/24 - stakeholders are awaiting delivery of the report. 5/31/2024 - The performance test execution will commence on Tuesday, 6/4/24, and will end on								
		Phase 3 releases (R3.x). ~800+ new User Story Points (USPs) have been developed since the last performance test		significant new features/functionality, e.g., calculator-related transactions. 3. Create a plan for comprehensive performance testing and address any performance bottlenecks. 4. Have the benchmark assessments done annually and implementation of Azure App Insights for Power Platform. 5. Execute test scripts that measure the run-time for execution of long-running transactions. E.g., calculator functionality/transactions and	testing of the DDD application will begin. 8/31/2024 - BHA requested Microsoft to conduct Performance Tests which were executed from June 4th to June 12th, 2024 - Stakeholders are currently awaiting Microsoft's performance test report. The Performance Test report should validate whether the INSPIRE system meets required performance standards and can effectively handle expected and peak loads. 7/31/2024 - Microsoft executed the performance test Tuesday, 6/4/24, through Wednesday, 6/12/24; stakeholders expect Microsoft's performance test report in August 2024. Behavioral Health Administration (BHA) personnel reported no recent performance issues. 6/30/2024 - Microsoft executed the performance test from Tuesday, 6/4/24 - Wednesday, 6/12/24 - stakeholders are awaiting delivery of the report. 5/31/2024 - The performance test execution will commence on Tuesday, 6/4/24, and will end on Wednesday, 6/12/24. The scope of the performance test								

IC	D Fir	ding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	1
34	Ad co	ministration (BHA) project resources uld lead to reduced productivity and oject delays.	Key BHA project resources have reported constraints on how much time they can devote to the project. The departure of the Child and Adolescent Mental Health Division (CAMHD) System Management Office Manager and CAMHD Inspire Project Lead could further impact the project if DOH cannot acquire suitable resources. The lack of capacity of the DOH test script developer has slowed DOH's automated test script development.	If BHA is unable to fully staff the project and their existing resources continue to be constrained, the project could experience a reduction in productivity and project delays.	1. BHA should explore options for offloading project team members' daily responsibilities to other staff. 2. BHA should work quickly to backfill vacated project team member positions. 3. BHA should identify tasks and duties that they can ask the SI to assume, as permitted by the contract, which are presently being handled by BHA members. 4. BHA should explore the use of contractors to fill open project positions.	//30/24 - BHA is in the process of acquiring new staff to strengthen Help Desk resources. IV&V remains concerned that the ongoing resource shortage and the lack of new additions to the DDI team over the past five months will continue to adversely affect the project. 8/31/2024 - The Business Analyst (BA) Position Description (PD) is under review. BHA is awaiting resolution of the Tosca (the automated testing tool) issue before adding an additional automated testing resource. 7/31/2024 - DDD is finalizing the position description (PD) for the Business Analyst. BHA is finalizing contractual options to add an automated testing resource. 6/30/2024 - DDD is currently evaluating options to add an automated regression testing resource. The State has approved the variance for a Business Analyst (BA) position. 5/31/2024 - DDD is planning to add an automated regression testing resource.	Resource Management	Issue	Medium	Open		8/18/2023	Michael Fors	
39			Several post-production bugs have been encountered in the Phase 4 release. R4.4.	Regarding the bug, "Human Services Research Institute (HSRI) flow is failing in production" (bug# 34886	The Project should consider automating deployments for resource savings, increased efficiency, consistency, faster time to market, improved	regression testing resource and is currently evaluating candidates. DDD plans to request one (1) business analyst position. No new update. 4/30/2024 - DDD is planning to add an automated regression testing resource and is currently evaluating candidates. DDD plans to request one (1) business analyst position. 3/31/2024 - No change since the February reporting period. 2/29/2024 - DDD plans to request one (1) business analyst position to address resource shortages. 9/30/24 - The SI vendor deployed a fix for the Calculator production defect related to the deletion of service details,	Release/Deployment	Issue	Low	Open		1/25/2024	Gautam Gulvady	
	co ch pr tin	chinical execution issues, the Project may nitinue to encounter defects and allenges, e.g., when releases are in oduction or in meeting projected helines for production and non-oduction deployments.	Phase 4 release, R4.4.	flow is failing in production" (bugh 34886) https://dev.aur.com/pODH84/DOH8/20BHA%20INSPIRE/_w orkttems/deti/34886), what is in development and deployed is vastly different from what was deployed to production. The root cause for these errors is currently being investigated. Repeatable documented release and deployment and resources experienced with deployments will help ensure that mistakes are minimized and that functionality is not mistakenly deprecated when deployments take place.	collaboration and reliability, scalability, version control integration, and	with no other deployments in September 2024. The R4.8 Go Live was rescheduled from Thursday, 10/3/2024, to Monday, 10/7/2024. As of September 30, 2024, manual	D						Gulvady	

ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Dat	e Owner	
	Insufficient testing processes can lead to poor-quality software, project delays and extended user acceptance testing.	There is a limited understanding of the testing processes and the roles and responsibilities of those involved in the process. There is no formal process for the development, review, and approval of test scenarios, test cases, and test results to ensure adequate participation and approval from state staff.	When testing user stories 34564 and 34756 on 1/31/24, the test tasks did not reflect the real use cases to give stakeholders adequate confidence that the user story could be tested. As a result, time was expended by testing resources, testing was inadequate, and a user story may have been deemed to meet functionality when it did not.	IV&V has requested an overview of the testing process, with a focus on process such as tracking test coverage and requirements traceability. A Stakeholder Register helps identify and understand all project stakeholders, ensuring their needs are met and risks are managed through effective communication. A RACI clarifies roles and responsibilities, improving collaboration, decision-making, and resource management, which are all critical for the success of IT projects. 1. Identify stakeholders (output is stakeholder register) and develop a RACI matrix for testing. 2. Review the overall testing process and implement any needed improvements identified.	requirements traceability.		Issue	Medium	Open		1/31/2024	Gautam Gulvady	
	The absence of separate dedicated product backlog review meetings can lead to unclear priorities, misalignment with stakeholders, inadequate refinement, and increased risk of scope creep.	Currently, product backlog reviews are done during design meetings and/or weekly issues meetings. This can lead to, e.g., scattered focus, limited stakeholder engagement, difficult yin managing complexity, and delayed decision making.	A product backlog review is an essential part of agile project management, particularly in Scrum. It's a collaborative meeting where the Scrum team, including the Product Owner, Scrum Master, and development team members, inspect and adapt the product backlog. The product backlog review is an important Scrum ceremony that helps keep the backlog relevant, up-to-date, and aligned with the project's goals and priorities. Here's a summary of what typically happens during a product backlog review: 1. Inspecting Backlog Items: The team reviews the items on the product backlog. This involves discussing each item, understanding its priority, value, and acceptance criteria. 2. Ensuring Caltry: The team ensures that each backlog item is clear and well-understood. Any ambiguities or uncertainties are clarified at this stage. 3. Estimation: Estimation of backlog items may occur during the review. The team may use techniques like story points or relative sizing to estimate the effort required for each item. 4. Re-prioritization: Based on new insights, changes in requirements, or stakeholder feedback, the team may need to re-prioritize items in the backlog. 5. Removing or Adding Items: Items that are no longer relevant or necessary may be removed from the backlog. New items that emerge or are identified as important may be added. 6. Refinement: Backlog refinement may also occur during the review. This involves breaking down large items into smaller, more manageable ones, or adding more detail to items as needed. 7. Collaboration: The review is a collaborative effort involving the entire Scrum team. It's an opportunity for open discussion	Separate dedicated product backlog review meetings (during sprints) would allow clarifying any ambiguities or uncertainties, re-prioritization, estimation, and refinement of backlog items. This would allow the project team to avoid situations where decisions about including items mid-sprint would have to be taken. INV recommends scheduling separate dedicated product backlog review meetings (during sprints) where all relevant stakeholders are invited to review the product backlog and scheduled at the appropriate time(s) such that there is sufficient time to plan the design, development, and implementation (DDI) of the next release(s).	2/29/2024 - CAMHO is developing a Stakeholder registry 9/30/24 - IV&V continues to recommend the development and use of a RACI matrix to identify stakeholders who need to be involved in Sprint Reviews and product backlog reviews. BHA and IV&V reviewed the RACI matrix, with IV&V providing feedback. BHA continues to refine and develop the RACI matrix to clearly define the roles and involve the right stakeholders for successful project outcomes. IV&V will continue to discuss ways to use the RACI matrix in project work for product backlog reviews. CAMHO has indicated that they hold dedicated product backlog meetings, but IV&V has not yet been invited to attend or observe these sessions. 8/31/2024 - BHA has stated that before they change this process, they intend to utilize a RACI matrix to clearly define the roles. BHA and IV&V to review the RACI matrix and Stakeholder Register to involve the right stakeholders for successful project outcomes. 7/31/2024 - IV&V shared the Stakeholder Register and RACI matrix. The SI vendor demonstrated the Raul Wildfire communication functionality to stakeholder Register and RACI matrix. The SI vendor demonstrated the Raul Wildfire communication functionality to stakeholder Register and RACI matrix. The SI vendor demonstrated the Maul Wildfire communication functionality to stakeholder Register and RACI matrix. The SI vendor demonstrated the Maul Wildfire communication functionality to stakeholder Register on to functionality to stakeholder Register and RACI matrix to demonstrate regular demos as part of the Sprint Review.		Risk	Medium	Open		1/26/2024	Gautam Gulvady	

ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority St	closed Date	Identified D	ate Owner	
42	Effective governance and communication is	Lack of effective governance and communication among	Ineffective governance and communication among	IVV recommends considering the following recommendations to establish	9/30/24 - There remain some communication challenges	Project Management	Issue	Medium O	en	2/29/2024	Gautam	
1	lacking on the project.	stakeholders can have significant negative impacts on a	stakeholders can significantly impact a project in several ways,	effective governance and communication among stakeholders:	between stakeholders on project aspects such as defect	r roject wanagement	13300	(low?)	,	2,23,2024	Gulvady	
	indexing on the project.	project in several ways.	e.g., stakeholder disengagement, misunderstandings, conflict	erreture governance and communication among statemorales.	tracking and reporting, and tracking and monitoring costs			(1011.)			Cuivady	
		project in several mays.	and tension, misalignment of objectives, increased risks,	Create a Governance Structure: Implement a governance structure that	related to Big Rock functionalities. IV&V recommends							
			unclear roles and responsibilities, and quality issues. An	defines decision-making processes, escalation procedures, and	project teams maintain collaboration and information							
			example on this project is the development and	accountability mechanisms. Clarify how decisions will be made, who has	sharing across stakeholder groups to ensure shared							
			implementation of Golden Record/Master Data Management	authority, and how issues will be resolved.								
			(MDM).	authority, and now issues will be resolved.	understanding in key project areas.							
			(MDM).		0/04/0004 71							
				2. Develop a Stakeholder Registry, RACI chart, and Stakeholder Engagement								
			The lack of effective governance and communication among	Plan: Identify key stakeholders and develop a plan to engage them	between stakeholders on project aspects such as defect							
			stakeholders can result in project delays, budget overruns, and	throughout the project lifecycle. Tailor communication strategies to address								
			decreased quality. It's essential for project managers and	the needs and preferences of different stakeholders, ensuring their active	related to Big Rock functionalities. IV&V recommends							
			stakeholders to prioritize clear communication and establish	involvement and support.	project teams maintain collaboration and information							
			robust governance structures to ensure project success.		sharing across stakeholder groups to ensure shared							
				3. Clearly define Roles and Responsibilities: clearly outlining the roles and	understanding in key project areas.							
				responsibilities of each stakeholder involved in the project, would ensure								
1				that everyone understands their duties and how they contribute to the	7/31/2024 - The divisions continue to collaborate on the	1						
				project's success.	security assessment exercise. The draft security assessment	I		1 1		1		
					report is due in October 2024.	I		1 1		1		
1				4. Encourage Open Communication and Feedback: Foster a culture of open		1						
1				communication and feedback where stakeholders feel comfortable sharing	6/30/2024 - The divisions continue to collaborate on the	1				1		
				their thoughts, concerns, and suggestions. Encourage constructive dialogue	security assessment and remediation exercise.							
1				and actively seek input to improve decision-making and problem-solving.	security assessment and remediation exercise.	1						
					5/31/2024 - Collaboration between DDD and CAMHD on the							
				Keep stakeholders informed about project progress, milestones, and key								
				developments through regular updates and progress reports. Highlight	security assessments is ongoing.							
				achievements, challenges, and any changes to the project plan or scope.								
					4/30/2024 - CAMHD and DDD continued to collaborate on	1						
				5. Resolve Conflicts Promptly: Address conflicts and disagreements among	the security assessments.							
				stakeholders promptly and professionally. Encourage dialogue, active								
				listening, and compromise to find mutually acceptable solutions that	3/31/2023 - Division heads from three (3) divisions, the							
				support project goals.	Developmental Disabilities Division (DDD), Child &							
					Adolescent Mental Health Division (CAMHD), and Alcohol &							
				6. Manage Expectations: Manage stakeholders' expectations by setting	Drug Abuse Division (ADAD), met in March 2024 to discuss							
43	Execution time for the process for updating	The existing DDD SharePoint documents and folders update	This process is part of several intense processes that update	IV&V recommends doing an impact analysis, e.g., downstream impact.	9/30/24 - The development of the improvements will	Release/Deployment	Issue	Medium O	en	4/30/2024	Gautam	
	DDD SharePoint folders was unacceptable.	process is intensive and the execution time was	SharePoint documents and folders. The SI vendor		commence once a SharePoint resource is available.	Planning					Gulvady	
		unacceptable - this process took 11 calendar days to execute	recommended against doing this intensive process. However,	IV&V recommends DDD puts on hold any development utilizing Power								
		in production with R4.4.	no feasible alternative solutions were provided and this	Automate for the performance issue encountered in production (marked	8/31/2024 - The SI vendor has completed the design and							
			process was implemented.	"TBD" in finding #14 related to "SharePoint Bulk Flows still running"),	stated that development of the improvements will							
				related user stores, e.g., "Changes to DDD folders", and defects.	commence once a SharePoint resource is available.							
1			BHA has the flexibility to refine and alter their SharePoint			1						
1			directory structure. As a result, per the SI vendor, the process	IV&V recommends evaluating other feasible options, e.g., leveraging	7/31/2024 - The SI vendor and BHA finalized the Business	1						
1			does not pick up continuously evolving permutations of folder	SharePoint tools and best practices.	Requirements Document (BRD). A new User Story has been	1						
1			structures in Production, nor can the execution time be		created in Azure DevOps to commence design and	1						
1				A project issue should be opened to identify and manage the resolution of	development.	1						
I			vendor and BHA over many months, this process was not going			1						
				uns issue.	6/20/2024 The Stuander and BHA are finalizing the	1				1		
1			to complete 100% of the operations because of the different		6/30/2024 - The SI vendor and BHA are finalizing the	1						
1			folder structures in Production. And this process/jobs has been		Business Requirements Document (BRD) and the design of	1						
1			updated many times to address different folder structures that		the proposed solution.	1						
1			were captured during testing, but there is no guarantee that it			1						
1			covers every possible scenario - some operations failed		5/31/2024 - The SI vendor has engaged a SharePoint	1						
			because the folder structure was not encountered during		Subject Matter Expert (SME) and is currently analyzing	1				1		
1			testing, which was an expected event. The folders in		options.	1						
1			Production that were not picked up with Flow were supposed			1						
1			to be manually updated.		4/30/2024 - Finding identified by IV&V.	1						
						1						
			The current solution utilizing Power Automate provided the			1						
1			necessary steps to automate this process, but it was never			1						
1			going to capture 100% of folders. And the process took 11			1						
1			calendar days to execute in production.			1				1		
						1						
1						1				1		
1						1						
1							•					1

ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority	Status	Closed Date	Identified Date	Owner	
45	The current process does not allow BHA to track actual costs versus budgeted costs by feature/functionality.	The current invoices from the System Integrator (SI) vendor lack sufficient details that would allow BHA to track actual costs versus budgeted costs by, e.g., features such as Provider Portal, Maui Wildfire Communication, FHIR and Golden Record or by user story.	The current process does not allow BHA to track actual costs versus budgeted costs of large functionality such as Provider Portal, Maui Wildfire Communication, Fast Health interoperability Resources (FHIR) or the Golden Record (GR). The absence of a clear process doesn't give insight into, e.g., how much of the budget has gone into developing functionality such as Provider Portal, Maui Wildfire Communication, FHIR or GR functionality. By incorporating a clear process that would allow BHA to monitor costs of large functionality, BHA can maintain better financial records and it would allow BHA to track actual versus budgeted costs and answer questions, e.g., "how much mone		9/30/24 - IV&V has provided options allowing BHA to track the costs of large functionalities such as Provider Portal, Maui Wildfire Communication, and FHIR for BHA's consideration. These options also enable tracking the allocation of a release fixed number of User Story Points (USPs) across various categories or buckets by utilizing tags in Azuro EvoOgs (ADO), IV&V is concerned that the overuse of USPs for implementing large-scale functionalities, such as FHIR, leads to removing or reducing planned features, potentially diminishing system effectueness, reducing user engagement, and frustrating long-awaited feature expectations.	Project Management	Preliminary Concern		Open		5/25/2024	Gautam Gulvady	
			has been spent on developing Provider Portal, Maui Wildfire Communication, FHIR or Golden Record (GR) functionality?"		8/31/2024 - IV&V has provided options that would allow BHA to track costs of large functionalities such as Provider Portal, Maui Wildfire Communication, and FHIR for BHA's consideration 7/31/2024 - It is agreed that the project will report cases where the number of user story points (USPs) is going to exceed the budgeted number of user story points for "big rock" items such as Provider Portal and Maui Wildfire Communication. The process for reporting cases is being discussed and analyzed. 6/30/2024 - BHA Stakeholders plan to evaluate process options. See new IV&V recommendation below. 5/31/2024 - BHA Stakeholders to evaluate process options, e.g., through Azure DevOps.								
46	Defect management process is not being followed. The project is not adhering to the defect tracking process outlined on page 8 of the BHA-ITS OA Test Plan Phase 1 Iteration 2 document, resulting in the failure to log all production defects. IV&V will work with BHA to create a plan to address the recommendations			IVBV recommends to: Reinforce the process by conducting regular training for all team members on the defect management process, emphasizing its importance in quality assurance. Establish clear guidelines: set specific guidelines for defect logging, including necessary details like severity, reproduction steps, and expected versus actual results. Designate a defect management lead or champion responsible for overseeing adherence to the process. Schedule regular meetings to review defect statuses, discuss challenges, and reinforce the importance of logging defects promptly. Establish accountability measures for defect management, such as incorporating defect resolution metrics into performance evaluations. Encourage Open Communication: promote collaboration between development, QA, and product teams to enhance understanding and commitment to defect resolution Regularly assess compiliance with the defect management process and adjust strategles as necessary. By implementing these recommendations, you can improve adherence to the defect management process and enhance the overall quality and success of the IT project.		Project Management	Issue	Medium	Open		9/30/2024	Gautam Gulvady	

ID	Finding	Finding Statement	Analysis and Significance	Recommendation	Finding Update	Category	Туре	Priority !	closed [Date I	Identified Date	Owner	
									_			_	
47		Lack of a documented governance process for restarting		To address the lack of a governance process for restarting production		Project Management	Issue	Medium	Open	2		Gautam	
		production systems can lead to increased downtime, user		systems, IV&V recommends BHA consider the following recommendations:								Gulvady	
		frustration, compliance violations, and data loss or		Establish Clear Policies and Procedures: Develop comprehensive									
	compliance violations, and data loss or	corruption.IV&V will work with BHA to create a plan to		documentation that outlines the policies for production restarts, including									
	corruption. IV&V will work with BHA to	address the recommendations		criteria for initiating a restart and roles involved.									
	create a plan to address the			Create a Governance Committee to oversee and approve production									
	recommendations			restarts.									
				Integrate the restart process into a broader change management									
				framework.									
				Conduct Risk Assessments: Perform risk assessments prior to restarts to									
				identify potential impacts and mitigation strategies.									
				Define Communication Protocols: Establish protocols for notifying all									
				stakeholders about upcoming restarts, including timelines and expected									
				impacts.									
				Automate Restart Procedures where possible.									
				Training and Awareness: Develop training programs for staff involved in the									
				restart process to ensure they understand policies, procedures, and tools.									
				Compliance and Audit Trails: Ensure that all restart actions are documented,									
				creating a clear audit trail that can be reviewed later and regularly review									
				compliance with established policies and procedures, and adjust them as									
				necessary.									
				Monitor and review to track the performance of production systems post-									
				restart: Establish key performance indicators (KPIs) to monitor the									
				performance of production systems after a restart.									
				Document Lessons Learned after each restart: Conduct a review after each									
				restart to document what went well and what could be improved.					1				
									1				
									1				
									1				
48	Delays in acquiring data from external	Some AER project requirements are reliant on data provided	Delays in the delivery of this data could lead to project delays	_		Project Management	Preliminary	Medium	Open	9	9/30/2024	Gautam	•
	partners could lead to project schedule	by external partners (e.g., Dept. of Human Services (DHS)).	and potentially increased costs.				Concern		1			Gulvady	
	delays.								1				