JOSH GREEN, M.D.
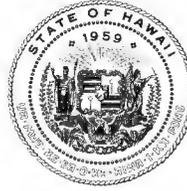GOVERNOR

DOUGLAS MURDOCK
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January 29, 2024

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

The Honorable Scott K. Saiki
Speaker and Members of the
  House of Representatives
Thirty-Second State Legislature
State Capitol, Room 431
Honolulu, Hawai'i 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 10 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 Attorney General (AG), Child Enforcement Agency (CSEA).

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

Sincerely,

Douglas Murdock (Jan 29, 2024 15:03 HST)

Douglas Murdock
Chief Information Officer
State of Hawai'i

Attachment

STATE OF HAWAII
DEPARTMENT OF THE ATTORNEY GENERAL (AG)
CHILD SUPPORT ENFORCEMENT AGENCY (CSEA)

KEIKI Replatform Off Mainframe (KROM) Project

MONTHLY IV&V REVIEW REPORT

December 31, 2023 | Version 1.0

Table of Contents

ACCUITY

Document History

DATE	DESCRIPTION	AUTHOR	VERSION
01/10/24	Monthly IV&V Review Report Draft created.	Julia Okinaka	0.0
01/26/24	Monthly IV&V Review Report finalized. Comments and responses were included in Appendix D which did not result in changes to the report.	Julia Okinaka	1.0

BACKGROUND

The State of Hawaii (State), Department of Attorney General (AG), Child Support Enforcement Agency (CSEA) contracted Protech Solutions, Inc. (Protech) on October 2, 2023 to replatform the Keiki System and provide ongoing operations support. Protech has subcontracted One Advanced and DataHouse to perform specific project tasks related to code migration, replatforming services, and testing. Department of AG contracted Accuity LLP (Accuity) to provide Independent Verification and Validation (IV&V) services for the project.

Our initial assessment of project health was provided in the first Monthly IV&V Review Report as of October 31, 2023. Monthly IV&V review reports will be issued through September 2024 and build upon the initial report to continually update and evaluate project progress and performance.

Our IV&V Assessment Areas include People, Process, and Technology. Each month we will select specific IV&V Assessment Areas to perform more focused IV&V activities on a rotational basis. The focus of our IV&V activities for this report included the completion of a two-month assessment of Process and the beginning of a two-month assessment of People.

The IV&V Dashboard and IV&V Summary provide a quick visual and narrative snapshot of both the project status and project assessment as of December 31, 2023. Ratings are provided monthly for each IV&V Assessment Area (refer to Appendix A: IV&V Criticality and Severity Ratings). The overall rating is assigned based on the criticality ratings of the IV&V Assessment Categories and the severity ratings of the underlying observations.

PLANNING & ACCOUNTABILITY

"The future depends on what we do in the present."

- Mahatma Gandhi

TESTING

PROJECT ASSESSMENT

SUMMARY RATINGS

OVERALL RATING

G

Minimal deficiencies were observed. Oversight may be needed to ensure risks stay low and project remains on track.

PEOPLE G

PROCESS Y

TECHNOLOGY G

CRITICALITY RATINGS

R HIGH   **Y** MEDIUM   **G** LOW   **NA** N/A

IV&V OBSERVATIONS

PEOPLE — **PROCESS** 1 (MED 1) — **TECHNOLOGY** 2 (POSITIVE 1, MED 1)

■HIGH ■MED ■LOW ■PRELIM ■OPPOR ■POSITIVE

1	3	0	
NEW OBSERVATIONS	OPEN OBSERVATIONS	CLOSED OBSERVATIONS	OPEN RECOMMENDATIONS

PROJECT BUDGET *

MILLIONS

$6.4M

$- $2 $4 $6

■ INVOICED   ■ TOTAL

* Only includes contracts. IV&V unable to validate total budget.

PROJECT PROGRESS**

6%

■ ACTUAL PROGRESS

** IV&V unable to verify progress percentage.

KEY PROGRESS & RISKS

- The Automated Application Assessment process was executed well and completed in December 2023.
- The project schedule was approved by CSEA with an approved Go-Live date of September 22, 2025.
- There is an increased need for efficient and effective project management practices due to the increased impact on project execution.
- The Project Schedule still needs to be refined to ensure all tasks are reflected. There are concerns that resources are overallocated, and tasks continue to be shifted or added impacting project resources.

ASSESSMENT & PLANNING

PROGRAM DEVELOPMENT & TESTING

SYS INSTALL

IMPLEMENTATION

■ ORIGINAL   ■ ACTUAL   ■ REVISED   ■ DELAYED

★ SEPT 22, 2025 GO-LIVE

ASSESSMENT ***

DEV

OCT 2023   MAY 2024   DEC 2024   JUL 2025

*** IV&V unable to validate the progress percentage of the schedule as it does not include all project activities.

4

OCT	NOV	DEC	IV&V ASSESSMENT AREA	IV&V SUMMARY
G	GR	GR	*Overall*	The project is making progress, but still needs stronger overall project management and execution to ensure the project stays on track without further delays. *Project Schedule*: The project schedule was approved with a September 22, 2025 Go-Live date. The revised schedule is showing early signs of delays in several tasks and deliverables, but currently does not impact the overall Go-Live date (2023.10.002). *Project Costs*: Protech's revised payment schedule was approved, with no additional overall project costs. Contract invoices received to-date are within total contract costs. *Quality*: Quality metrics were identified in the Project Management Plan and will begin to be monitored and reported on in January 2024. Project Success: Preliminary success metrics were identified in the Project Charter. Success criteria should continue to be refined and communicated to the project team.
G	G	GR	*People* *Team, Stakeholders, & Culture*	• Project SMEs continue to be engaged in ongoing project activities. • Although approved, the project schedule still does not adequately identify all CSEA tasks and individual resource responsibilities, so the availability and capacity of resources required to complete each task is still unclear (2023.10.002). Furthermore, there are concerns that resources are overallocated, and tasks continue to be shifted or added impacting project resources. • As Protech's deliverables and activities continue to fall behind the project schedule, the need for additional project support for Protech's Manager should be assessed (2023.10.002). • The Monthly Steering Committee Meeting cadence was revised, so the December meeting was skipped, and will resume in January. • Project stakeholders external to CSEA had not been identified in the approved Project Management Plan, which includes communication management. CSEA identified external project stakeholders in their Project Charter and plans on revisiting other project plans and activities to determine appropriate communications and engagement.

OCT	NOV	DEC	IV&V ASSESSMENT AREA	IV&V SUMMARY
G	GR	Y	**Process** *Approach & Execution*	• The Project Schedule and Project Management Plan were approved in December. • There is an increased need for efficient and effective project management practices due to the increased impact on project execution (2023.10.002). Although the project schedule has some percentage completion, the process to monitor and calculate metrics is unclear. • Regular, recurring risk meetings were established in December resulting in more timely identification of risks and mitigation plans. • Three business analysis workshops were conducted in December to assist with the development of test scripts. • In December, Protech delivered the Performance Metric Standard Reporting DED. Two deliverables are projected to be delayed including the KEIKI System Requirements Definition document and Code and Data Conversion Plan. • Preliminary success metrics should continue to be refined and communicated to the project team. Having clearly defined success metrics helps to align the team on the project's objectives.
G	GR	GR	**Technology** *System, Data, & Security*	• The Automated Application Assessment process was well executed and completed in December 2023 (2023.12.001). • The assessment of KEIKI system hardware and software asset requirements is still in progress and lacks a clear plan (2023.11.001). CSEA appointed two dedicated Data System Migration Leads to assist with analyzing existing data system migration requirements. An issue was formally documented related to the lack of information coordination as CSEA is being tasked with redundant information requests that the State has already provided to Protech.* • Several technology tasks are delayed including the evaluation of the KEIKI user interface customization, review of security requirements, and delivery of the data extraction programs and JCL. • CSEA identified concerns related to current bandwidth limitations with the mainframe datacenter which may impact the ability to migrate large amounts of data. CSEA has a meeting in January with ETS to discuss and develop a plan to address this risk.* • The KEIKI system has system interfaces with several State agencies who are also going through their own modernization efforts. Depending on the pace and outcomes of these modernization efforts, the system interfaces and associated testing may be impacted. CSEA has agreed to monitor and exchange information with the relevant agencies through meetings and review this risk quarterly.*

     ____

* Accuity is not reporting individual risks as formal IV&V observations as they are already being appropriately tracked and monitored by the project team. The rating for this IV&V Assessment Area reflects the cumulative risks.

IV&V ASSESSMENT AREAS

People

Process

Technology

OBSERVATION #: **2023.12.001**	STATUS: **N/A**	TYPE: **POSITIVE**	SEVERITY: **N/A**

TITLE: PLANNING AND EXECUTION OF AUTOMATED APPLICATION ASSESSMENT PROCESS

Observation: The Automated Application Assessment process was well planned and executed.

Industry Standards and Best Practices: PMI PMBOK provides best practices and guidelines for planning, executing, and managing portfolios of projects, programs, and operations. DMBOK describes the proper planning and execution for data integration, data warehousing, and data conversion, including best practices for project planning and management, data mapping and modeling, testing and quality assurance, and data migration strategies.

Analysis: Protech's partner, Advanced, worked closely with CSEA's technical SMEs and outlined a clear, well-defined process to collect and assess the KEIKI mainframe application in preparation for the migration and code conversion. Advanced's weekly status updates and follow-ups helped all stakeholders understand their roles, responsibilities, outstanding tasks, and status of activities. Their final assessment report was comprehensive, data-driven and insightful, and prepared the project team well as they begin the next phase of legacy code and data system migration.

Recommendation: N/A for positive observation.

Appendix A: IV&V Criticality and Severity Ratings

IV&V CRITICALITY AND SEVERITY RATINGS

Criticality and severity ratings provide insight on where significant deficiencies are observed and immediate remediation or risk mitigation is required. Criticality ratings are assigned to the overall project as well as each IV&V Assessment Area. Severity ratings are assigned to each risk or issue identified.

Criticality Rating

The criticality ratings are assessed based on consideration of the severity ratings of each related risk and issue within the respective IV&V Assessment Area, the overall impact of the related observations to the success of the project, and the urgency of and length of time to implement remediation or risk mitigation strategies. Arrows indicate trends in the project assessment from the prior report and take into consideration areas of increasing risk and approaching timeline. Up arrows indicate adequate improvements or progress made. Down arrows indicate a decline, inadequate progress, or incomplete resolution of previously identified observations. No arrow indicates there was neither improving nor declining progress from the prior report.

A **RED**, high criticality rating is assigned when significant severe deficiencies were observed and immediate remediation or risk mitigation is required.

A **YELLOW**, medium criticality rating is assigned when deficiencies were observed that merit attention. Remediation or risk mitigation should be performed in a timely manner.

A **GREEN**, low criticality rating is assigned when the activity is on track and minimal deficiencies were observed. Some oversight may be needed to ensure the risk stays low and the activity remains on track.

A **GRAY** rating is assigned when the category being assessed has incomplete information available for a conclusive observation and recommendation or is not applicable at the time of the IV&V review.

TERMS

RISK
An event that has not happened yet.

_____

ISSUE
An event that is already occurring or has already happened.

Severity Rating

Once risks are identified and characterized, Accuity will examine project conditions to determine the probability of the risk being identified and the impact to the project, if the risk is realized. We know that a risk is in the future, so we must provide the probability and impact to determine if the risk has a Risk Severity, such as Severity 1 (High), Severity 2 (Moderate), or Severity 3 (Low).

While a risk is an event that has not happened yet, an issue is something that is already occurring or has already happened. Accuity will examine project conditions and business impact to determine if the issue has an Issue Severity, such as Severity 1 (High/Critical Impact/System Down), Severity 2 (Moderate/Significant Impact), or Severity 3 (Low/Normal/Minor Impact/Informational).

Observations that are positive, preliminary concerns, or opportunities are not assigned a severity rating.

1   **SEVERITY 1:** High/Critical level

2   **SEVERITY 2:** Moderate level

3   **SEVERITY 3:** Low level

TERMS

POSITIVE
Celebrates high performance or project successes.

PRELIMINARY CONCERN
Potential risk requiring further analysis.

ACCUITY

Appendix B: Industry Standards and Best Practices

STANDARD	DESCRIPTION
ADA	Americans with Disabilities Act
ADKAR®	Prosci ADKAR: Awareness, Desire, Knowledge, Ability, and Reinforcement
BABOK® v3	Business Analyst Body of Knowledge
DAMA-DMBOK® v2	DAMA International's Guide to the Data Management Body of Knowledge
PMBOK® v7	Project Management Institute (PMI) Project Management Body of Knowledge
SPM	PMI The Standard for Project Management
PROSCI ADKAR®	Leading organization providing research, methodology, and tools on change management practices
SWEBOK v3	Guide to the Software Engineering Body of Knowledge
IEEE 828-2012	Institute of Electrical and Electronics Engineers (IEEE) Standard for Configuration Management in Systems and Software Engineering
IEEE 1062-2015	IEEE Recommended Practice for Software Acquisition
IEEE 1012-2016	IEEE Standard for System, Software, and Hardware Verification and Validation
IEEE 730-2014	IEEE Standard for Software Quality Assurance Processes
ISO 9001:2015	International Organization for Standardization (ISO) Quality Management Systems – Requirements
ISO/IEC 25010:2011	ISO/International Electrotechnical Commission (IEC) Systems and Software Engineering – Systems and Software Quality Requirements and Evaluation (SQuaRE) – System and Software Quality Models
ISO/IEC 16085:2021	ISO/IEC Systems and Software Engineering – Life Cycle Processes – Risk Management
IEEE 16326-2019	ISO/IEC/IEEE International Standard – Systems and Software Engineering – Life Cycle Processes – Project Management
IEEE 29148-2018	ISO/IEC/IEEE International Standard – Systems and Software Engineering – Life Cycle Processes – Requirements Engineering

STANDARD	DESCRIPTION
IEEE 15288-2023	ISO/IEC/IEEE International Standard – Systems and Software Engineering – System Life Cycle Processes
IEEE 12207-2017	ISO/IEC/IEEE International Standard – Systems and Software Engineering – Software Life Cycle Processes
IEEE 24748-1-2018	ISO/IEC/IEEE International Standard – Systems and Software Engineering – Life Cycle Management – Part 1: Guidelines for Life Cycle Management
IEEE 24748-2-2018	ISO/IEC/IEEE International Standard – Systems and Software Engineering – Life Cycle Management – Part 2: Guidelines for the Application of ISO/IEC/IEEE 15288 (System Life Cycle Processes)
IEEE 24748-3-2020	IEEE Guide: Adoption of ISO/IEC TR 24748-3:2011, Systems and Software Engineering – Life Cycle Management – Part 3: Guide to the Application of ISO/IEC 12207 (Software Life Cycle Processes)
IEEE 14764-2021	ISO/IEC/IEEE International Standard for Software Engineering – Software Life Cycle Processes – Maintenance
IEEE 15289-2019	ISO/IEC/IEEE International Standard – Systems and Software Engineering – Content of Life Cycle Information Items (Documentation)
IEEE 24765-2017	ISO/IEC/IEEE International Standard – Systems and Software Engineering – Vocabulary
IEEE 26511-2018	ISO/IEC/IEEE International Standard – Systems and Software Engineering – Requirements for Managers of Information for Users of Systems, Software, and Services
IEEE 23026-2015	ISO/IEC/IEEE International Standard – Systems and Software Engineering – Engineering and Management of Websites for Systems, Software, and Services Information
IEEE 29119-1-2021	ISO/IEC/IEEE International Standard – Software and Systems Engineering – Software Testing – Part 1: Concepts and Definitions
IEEE 29119-2-2021	ISO/IEC/IEEE International Standard – Software and Systems Engineering – Software Testing – Part 2: Test Processes
IEEE 29119-3-2021	ISO/IEC/IEEE International Standard – Software and Systems Engineering – Software Testing – Part 3: Test Documentation
IEEE 29119-4-2021	ISO/IEC/IEEE International Standard – Software and Systems Engineering – Software Testing – Part 4: Test Techniques
IEEE 1484.13.1-2012	IEEE Standard for Learning Technology – Conceptual Model for Resource Aggregation for Learning, Education, and Training
ISO/IEC TR 20000-11:2021	ISO/IEC Information Technology – Service Management – Part 11: Guidance on the Relationship Between ISO/IEC 20000-1:2011 and Service Management Frameworks: ITIL®
ISO/IEC 27002:2022	Information Technology – Security Techniques – Code of Practice for Information Security Controls

STANDARD	DESCRIPTION
FIPS 199	Federal Information Processing Standard (FIPS) Publication 199, Standards for Security Categorization of Federal Information and Information Systems
FIPS 200	FIPS Publication 200, Minimum Security Requirements for Federal Information and Information Systems
NIST 800-53 Rev 5	National Institute of Standards and Technology (NIST) Security and Privacy Controls for Federal Information Systems and Organizations
NIST Cybersecurity Framework v1.1	NIST Framework for Improving Critical Infrastructure Cybersecurity
LSS	Lean Six Sigma

Appendix C: Prior Findings Log

Appendix C: Prior Findings Log

ASSESSMENT AREA	OBSERVATION ID	TYPE	ORIGINAL SEVERITY	CURRENT SEVERITY	OBSERVATION	ANALYSIS	RECOMMENDATIONS	STATUS	STATUS UPDATE	CLOSED DATE	CLOSURE REASON
Technology	2023.11.001	Risk	Moderate	Moderate	Complex data system migration requirements, combined with incomplete documentation and the absence of a formalized process for non-code tasks, may lead to project delays, unmet contract requirements, and quality issues.	Data system migration and mapping can be complex and cause project delays if not properly planned and managed. The KEIKI system's incomplete documentation and multitude of jobs, workflows, interfaces, and interface files pose a risk of overlooking certain elements, making it challenging to track and validate migration requirements. The project lacks a formalized process for non-code tasks in the data system requirements collection, migration, and validation activities. The project has a formalized process for application code migration but lacks a clear process for gathering non-code and ancillary elements including hardware, software, interfaces, and batch files. The absence of a separate, formalized process and reliance on manual processes using Excel worksheets may result in data loss, poor quality, and technical issues affecting system performance and user experience. The SI's waterfall approach requires upfront gathering and definition of all requirements in a linear sequence. Late identification of data system migration requirements may result in insufficient time or budget to execute the migration properly.	2023.11.001.R1 – Develop separate formalized data system migration plans and processes for non-code elements. • A separate implementation plan should be clearly outlined, determining the timeline, tasks, tools, and resources needed to perform these activities. • Develop a formalized data migration acceptance process for the remaining cycles with defined acceptance criteria. • Determine what validation is needed by other agencies and stakeholders that rely on CSEA's Keiki system and outputs. 2023.11.001.R2 – Investigate automated tools for tracking and validating data system requirements. • Automated data validation should be investigated to help identify missing elements, increase data accuracy, and alleviate resource constraints. 2023.11.001.R3 – Ensure data system requirements are comprehensive and complete upfront. • Given the waterfall approach, schedule and resource considerations should be given to increasing system requirement gathering upfront. • The project managers should ensure greater coordination of project information needed for requirements management and tracking. • Consider an iterative approach for non-code migration activities, which allows for several rounds of review and validation. 2023.11.001.R4 – Appoint dedicated Data System Migration Leads from both Protech and CSEA. • Consider identifying dedicated leads to assist with analyzing the existing data environment, identifying data migration requirements, supporting the migration process, troubleshooting issues that arise, and coordinating tasks with Protect, Advanced, Datahouse, and CSEA.	Open	12/31/23: CSEA appointed two dedicated Data System Migration Leads. It is unclear if Protech also appointed a dedicated lead. A clear plan is still missing, and CSEA documented a formal issue related to the lack of information coordination and redundant requests related to the data system migration requirements. IV&V to continue to monitor the data system migration process.		
Process	2023.10.002	Risk	Prelim	Moderate	Untimely project management responsibilities may impact effective project execution.	The Protech Project Manager provided a draft project schedule; however, it was incomplete and listed due dates that were already missed for several deliverables. The implementation of strong schedule and resource management practices early will help the project start off right and stay on track. Protech's Project Manager is experienced with similar implementations and is working collaboratively with the project team to address feedback. Possible root causes or contributing factors are turnover of project managers, an aggressive project timeline, and need for additional project management support. Another possible root cause is Protech's need to revisit the project RFP and submitted proposal to reduce the misalignment of expectations, creating longer deliverable review cycles. Feedback on preliminary deliverables does not appear to be adequately addressed. For example, the need for a resource loaded schedule was communicated verbally and in meetings repeatedly.	2023.10.002.R1 – Improve the project schedule to address schedule comments. • Develop a detailed plan with assigned resources to complete project tasks. • Provide the appropriate detail of tasks, durations, due dates, milestones, and key work products for various parties. CSEA assigned tasks should also be clearly reflected in the project schedule. • Obtain agreement on the baseline schedule and then hold parties accountable for tasks and deadlines. 2023.10.002.R2 – Determine the root causes of delays and develop plans to address them. • Perform a root cause analysis including defining the problem, brainstorming possible causes, and developing a plan to address the root cause of the problem such as resource constraints and undefined tasks. • Based on the experience of the last two months, create a realistic schedule based on the time and resources needed to perform tasks. 2023.10.002.R3 – Assess the need for additional Protech resources for project management support.	Open	11/30/23: This was originally reported in the October 2023 IV&V Monthly Report as a preliminary concern but was upgraded to and rewritten as a risk this month with recommendations. The project is still challenged with insufficiently updating deliverables and continued delays in the proposed project schedule. 12/31/23: Acuity increased the severity rating from Level 3 (Low) to Level 2 (Moderate). More rigor on foundational project management practices is needed to prevent further delays and increase the quality of project execution. The approved project schedule still lacks detailed tasks to adequately plan project resources and monitor project performance. Although the project schedule has some percentage completion, the process to monitor and calculate metrics is unclear. IV&V will continue to assess project management responsibilities.		
People	2023.10.001	Positive	N/A	N/A	The project team members are engaged and accountable for timely completing required tasks, providing information, and responding to questions. The project team members regularly seek feedback, input, and clarification in an open and respectful manner. The experience and knowledge of Protech team members combined with the dedication and high level of engagement from CSEA SMEs support the positive project team environment.	The CSEA SMEs appear to be engaged in ongoing Assessment sessions and accountable for timely completing required tasks, providing information, and responding to questions. The project team members regularly seek feedback, input, and clarification in an open and respectful manner. The experience and knowledge of Protech team members combined with the dedication and high level of engagement from CSEA SMEs support the positive project team environment.	N/A	Closed	N/A	11/30/23	Closed as this is a positive observation.

Appendix D: Comment Log on Draft Report

Comment Log on Draft Report

KROM Project: IV&V Document Comment Log				

ID #	Page #	Comment	Commenter's Organization	Accuity Resolution
1	6	The report cites RAID Log item #37, which highlights the lack of information coordination and the redundancy of tasks assigned to CSEA. DDI has responded to this concern by establishing weekly internal meetings between Advanced, DataHouse, and Protech to improve information sharing. Additionally, DDI has discussed this concern internally and seeks to support the State's efforts by reviewing the information and raising questions as needed. Finally, DDI and CSEA continue to work together to resolve any discrepancies identified in any information/data shared.	Protech	Statements and status updates from Protech after the reporting period related to project management, communications management, and information sharing. Progress made on these processes and responsibilities will be reflected in future IV&V reports. No changes made to the December IV&V Report.
3	5 People bullet 3	The SRD was the deliverable that lagged in December 2023, and it relies on a final assessment report. As of the current IV&V report, the validation of the assessment was ongoing, as indicated by the email exchanges between CSEA and Advanced about the in-scope items. This delay is attributable to the need to ensure the collection is complete and as accurate as possible. CSEA continues to work to finalize the collection.	Protech	Statements and status updates from Protech after the reporting period related to the Project Schedule and deliverables. Progress made on deliverables will be reflected in future IV&V reports. No changes made to the December IV&V Report.

| 4 | 5 People bullet 2 | Protech built the project schedule based on similar projects and experience. The schedule is resource loaded by organization and assignments are identified to organizations. Protech gave the State permission to include named resource in the project schedule and to assign tasks directly to State resources.

DDI has provided a tool to collect/add new tasks to the project schedule as needed and continue to work with CSEA to fully reflect the project's work assigned to CSEA. | Protech | Statements and status updates from Protech after the reporting period related to project and resource management. Progress made on resource management will be reflected in future IV&V reports. No changes made to the December IV&V Report. |

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