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 I KE'ENA HO'OLANA 'ENEHANA

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

July 2, 2025

The Honorable Ronald D. Kouchi President of the Senate and Members of the Senate Thirty-Third State Legislature State Capitol, Room 409 Honolulu, Hawai'i 96813 The Honorable Nadine K. Nakamura Speaker and Members of the House of Representatives Thirty-Third State Legislature State Capitol, Room 431 Honolulu, Hawaii 96813

Aloha Senate President Kouchi, Speaker Nakamura, 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.

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

Attachments (2)



MONTHLY IV&V REVIEW REPORT

MAY 31, 2025 | Version 0.1





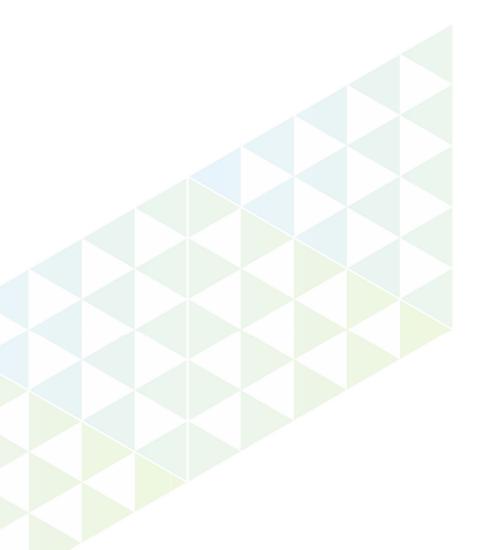


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BACKGROUND

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. The agreement with DataHouse was terminated in February 2025. The 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 August 2025 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 IV&V Dashboard and IV&V Summary provide a quick visual and narrative snapshot of both the project status and project assessment as of May 30, 2025. 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.

TEAMWORK AND PERSERVERANCE

"We may have all come on different ships, but we are in the same boat now."

- Martin Luther King Jr.



PROJECT ASSESSMENT

May 2025

SUMMARY RATINGS





Deficiencies were observed that merit attention. Remediation or risk mitigation should be performed in a timely manner.

PFOPIF



PROCESS



TECHNOLOGY



CRITICALITY RATINGS

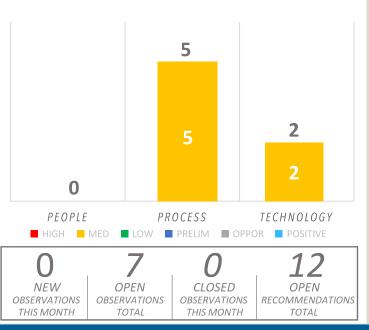


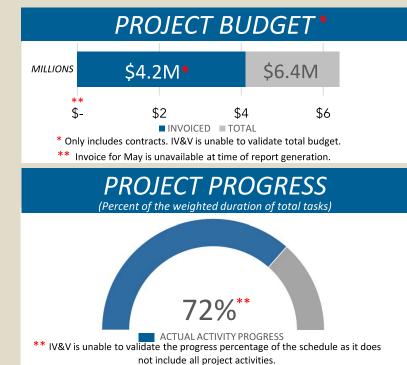






IV&V OBSERVATIONS





KEY PROGRESS & RISKS

- Batch job performance testing and data extract discrepancies continued to be addressed through iterative retesting cycles, demonstrating the team's commitment to resolving complex data issues.
- Protech proposed a fast-tracking approach to maintain milestone alignment. This approach has not been formally approved by CSEA.
- System testing is in progress with retesting of critical defects and data discrepancies continuing throughout May, and the System Installation Phase is at 69%.

Key Risks:

- The critical path for the KEIKI KROM project in May 2025 has zero float between the D-21 System Test Results Report approval and the Acceptance Testing start date. This indicates that any delays in finalizing D-21 or other tasks on the critical path could lead to cascading schedule delays for UAT and Go-Live readiness.
- The absence of an approved, updated project schedule as of May increases the risk of stakeholder fatigue and downstream impacts on UAT readiness and overall project delivery. The schedule variance at the end of May was 54 days so containing further schedule erosion is critical.
- The temporary leave of absence of the CSEA Project Manager in May posed a risk to project governance. This major risk has been added to the RAID log and is in mitigation status with coverage being provided by CSEA project leads. IV&V will continue to monitor any potential for gaps in project management.

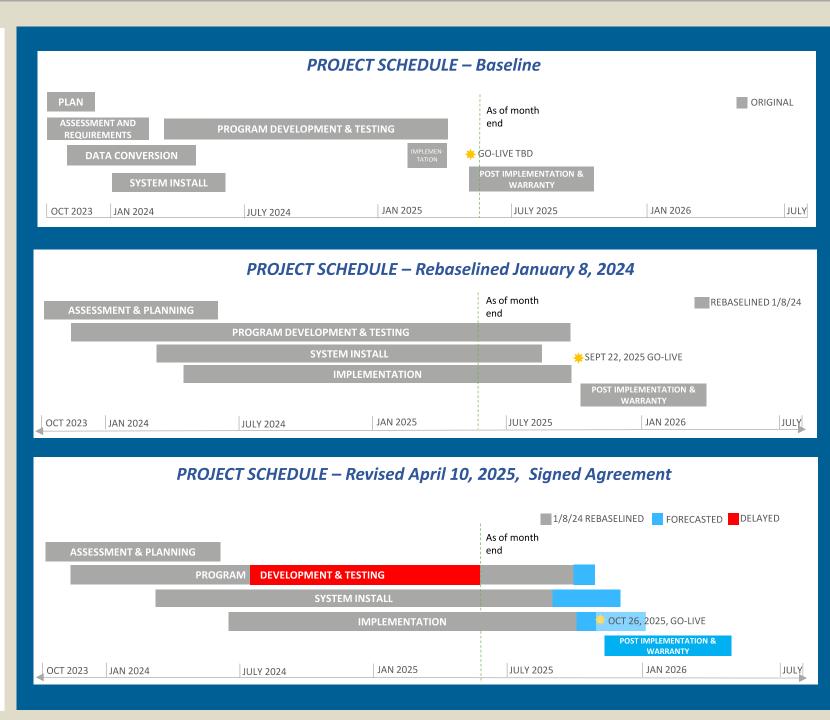
PROJECT SCHEDULE – Current Progress

(See next page for the current agreement and schedule history)



KROM PROJECT SCHEDULE HISTORY

Provided here is a comprehensive view of three timelines: 1. The baseline project schedule set in September 2023. 2. The rebaselined schedule following the approval of the **DDI Project** Management Plan on January 8, 2024. 3. The current schedule based on the April 10, 2025, no-cost change request.



MAR	APR	MAY	IV&V ASSESSMENT AREA	IV&V SUMMARY
Y	Y	Y	Overall	Project Schedule: The project progress status as of May 30, 2025 was 72% with a 54-day variance from the baseline schedule, reflecting challenges with data discrepancies, batch job testing, and critical system testing defects. The critical path has zero float between the D-21 System Test Results Report approval and the Acceptance Testing start date. The temporary leave of absence of the CSEA Project Manager has introduced a new major risk documented in the project RAID log which is in mitigation status and being tracked. The CSEA project leadership is covering project management activities for the interim. There is a risk for uncertainty in project governance, driven by the currently forecasted Go-Live date of January 3, 2026, which is the proposed adjusted date that is pending confirmation by Protech as of the end of May 2025. Formal schedule realignment and defect resolution will be important to maintain progress and prevent further schedule erosion.
				Project Costs: Contract invoices remain within the total contracted costs.
				Quality: The overall project quality reflects ongoing efforts to address critical system testing defects and data discrepancies. Batch job performance testing continues to identify discrepancies in data extracts and job runtimes, with iterative retesting cycles executed to address these issues. Protech and IBM teams have collaborated on resolving differences in data validation outputs between CSEA (legacy) and KROM, focusing on reconciling data source and target differences and aligning batch testing with performance expectations. Overall batch testing execution sits at 90%. With overall system testing at 91% as of May 28, 2025.
				Despite these positive efforts, ten critical system testing defects remain open, and batch job performance issues are still under review. The project team's focus on performance improvement and data accuracy is essential to meet UAT readiness standards and quality of product. The departure of the CSEA Project Manager, while temporary, could raise the potential for gaps in quality oversight. Through regular weekly testing and status updates helps to ensure ongoing progress tracking and key stakeholder engagement. The CSEA project team is providing focused coverage to mitigate this potential for oversight gaps.
				Project Success: The KEIKI KROM project has maintained milestone progress through active collaboration across Protech (DDI), IBM, and CSEA teams. While system testing and data validation challenges remain, proactive retesting and weekly updates have helped sustain project momentum.
				The project remains in yellow status due to unresolved critical system testing defects, data discrepancies in extracts, and the need for Protech (DDI) to provide an updated schedule formalized for CSEA acceptance to align with the current 54-day variance and gain CSEA approval to meet stakeholder expectations.

				WITH 2025 KINGWITHOSECT
MAR	APR	MAY	IV&V ASSESSMENT AREA	IV&V SUMMARY
G	G	G	People Team, Stakeholders, & Culture	The project team has been actively engaged in addressing critical defect resolution and system testing delays, with CSEA participating in key decisions and validating data extracts. Collaboration across Protech (DDI), IBM, and CSEA is evident, with transparent risk discussions and status updates in weekly and monthly meetings. The team is demonstrating a tactical approach to reducing stakeholder testing fatigue by efficiently addressing the most impactful testing activities.
				Team: Protech continues to lead project delivery and is actively collaborating with IBM and CSEA teams to resolve defects, finalize system testing, and refine the UAT environment. Protech's focus has been on batch execution performance testing, mainframe printing transitions, and addressing critical defects through focused retesting cycles. The Protech (DDI) Test Team is also engaged daily, with consistent status reviews and updates in the testing environment to ensure alignment and progress on defect resolution and system testing deliverables. The departure of the CSEA Project Manager has created a temporary gap in project oversight, however, CSEA team members are providing interim coverage to maintain decision-making and governance continuity.
				Stakeholders: CSEA remains deeply engaged, with active roles in
				Validating data extract processes and addressing discrepancies.
				 Participating in decision-making for printing solutions (mainframe vs. Windows printers).
				 Reviewing system testing outcomes and participating in weekly status meetings and interface discussions (KEIKI Weekly Status Report – 05282025).
				CSEA and Protech(DDI) are also involved in decisions around cost optimization (AWS EC2 scheduling) and final system readiness for UAT and Go-Live.
				Culture: The project demonstrates a culture of collaboration and open communication, highlighted by frequent crossteam engagements and proactive discussions in recurring meetings (e.g., Weekly Status, Monthly/Quarterly Steering Committees, Risk Review Meetings). CSEA and Protech (DDI) have maintained a shared focus on issue resolution and risk management, fostering a problem-solving mindset across the team. There is clear evidence of commitment to continuous improvement in processes, as seen in the regular evaluation of batch performance, data extracts, and readiness for UAT.
				The project's People dimension is performing well, with collaborative engagement across Protech (DDI), IBM, and CSEA, active defect resolution, and stakeholder alignment through regular reviews, reflecting a healthy

green status.

				MAY 2025 · KROM PROJECT
MAR	APR	MAY	IV&V ASSESSMENT AREA	IV&V SUMMARY
1	Y	Y	Process Approach & Execution	Process: The project team focused on closing out critical system testing defects, refining batch job performance, and building out the UAT environment, which reached 48% completion. However, schedule alignment remains a challenge, with a 54-day variance, and zero float in the critical path with no realigned and formally approved schedule in place. These factors underscore the need for pinning down an accurate schedule to align stakeholder expectations and prevent further downstream delays.
				Approach: The team is following a milestone-driven approach, prioritizing defect closure and performance tuning while fast-tracking the schedule to recover project slippage. Protech's proposed approach includes daily status reviews and testing cycles to validate data and system performance. However, the lack of a formalized schedule to be submitted by Protech and reviewed and agreed to by CSEA for the purpose of rebaselining the project schedule puts limits on the effectiveness of this approach in aligning stakeholders and ensuring confidence that milestone targets will be met.
				Execution: Execution efforts in May centered on intensive retesting of system testing defects and performance issues, with daily defect triage meetings and focused testing cycles. Despite these targeted actions, 10 critical defects and persistent data extract discrepancies remain open. The team's efforts are being tracked through updated RAID logs and weekly status reports, ensuring transparency and accountability for closure activities.
				 Risk Log Alignment: System Testing phase is at 91% completion, but 10 critical defects remain unresolved, directly affecting downstream testing and data quality validation. These open critical defects are aligned with RAID Log IDs 35 and 56, which highlight integration and environment compatibility risks.
				• Batch job performance testing and data extract reconciliation remain ongoing, with continued retesting cycles for jobs showing performance discrepancies. These performance gaps are linked to RAID Log IDs 47 and 69, which cover data extraction challenges and data pipeline delays.
				• UAT environment build-out is at 48%, with remaining tasks focused on finalizing build configurations and data extract readiness. UAT environment dependencies are captured in RAID Log IDs 31, 32, and 33, related to environment readiness and data migration risks.
				• Protech's fast-tracking approach has not yet been formally approved by CSEA, resulting in uncertainty around actual schedule alignment and potential rebaselining needs. The lack of an approved rebaseline aligns with schedule risks noted across the RAID log, including RAID Log ID 69 for data-driven testing delays.
				• The departure of the CSEA Project Manager has created a gap in governance oversight, though interim coverage by CSEA team members has helped maintain continuity. This governance gap is noted in RAID Log ID 74, which tracks potential impacts from staffing changes and management transitions.
				The project process status is yellow. This status considers improvements in stakeholder alignment, risk mitigation strategies, and structured execution improvements. However, the critical path has zero float. Continued refinements in defect resolution, batch result validation, and training logistics will be necessary to complete System Testing, finalize Deliverable D-21 (System Test Results Report), and support the transition toward a Green

project status.

				IVII 1 2023 KIKOIVI I KOJECI
MAR	APR	MAY	IV&V ASSESSMENT AREA	IV&V SUMMARY
Ŷ	•	Ŷ	Technology System, Data, & Security	System: The overall system installation phase is at 69% completion as of May 28th. System testing efforts in May prioritized retesting of critical system testing defects, especially in key batch jobs like JESFTP and financial processes. Performance issues were actively addressed through code drops and configuration changes in coordination with IBM, focusing on reducing job runtimes to meet defined benchmarks. Despite these efforts, 10 critical defects remain open which have the potential to pose a risk to downstream UAT readiness and project milestones.
				Data: Data extract validation efforts called out continued discrepancies between the ADABAS and SQL-KROM outputs, particularly in jobs like NSDDB01J and NSDCR01J. Protech and IBM worked on validating source-to-target data mapping, using iterative data extract retesting to identify and close gaps. These activities were closely tracked in weekly status updates and documented defect logs, emphasizing data reconciliation as a critical focus area. Additionally, data extract outputs in batch testing were validated against performance targets to ensure alignment with downstream UAT data needs.
				Security: Nessus vulnerability scans for the UAT environments have been completed, with four exceptions documented and actively tracked in Jira for resolution. SSL encryption and SSO integration efforts are also ongoing to ensure secure environments for upcoming UAT testing. These security activities are being closely monitored to maintain compliance with project data protection standards and stakeholder expectations.
				 Risk Log Alignment: System performance and critical defect resolution are aligned with RAID Log IDs 35 and 56, which highlight interface testing challenges, environment compatibility issues, and risks to Go-Live readiness if system testing defects are not closed. These gaps directly correspond to RAID Log IDs 35 and 56, which cover interface integration challenges, and the decision needed on Code-1 Plus software to ensure environment compatibility and readiness for UAT.
				 Data extract validation continued to surface discrepancies between ADABAS and SQL-KROM datasets, notably in jobs like NSDDB01J and NSDCR01J, requiring repeated retesting and data reconciliation. These data issues are reflected in RAID Log IDs 47 and 69, which detail risks around data extraction baseline misalignment and delays in data import/export that directly affect data integrity and system readiness.
				 Security testing in May completed Nessus vulnerability scans, with four exceptions documented for further mitigation, and continued work on SSL encryption and SSO integration in UAT environments. There is no alignment for this in the RAID log as of May 30, 2025.
				The Technology status remains yellow, trending up, maintaining a stable technical foundation in May, with UAT environment build-out at 48% and active retesting of critical system testing defects. While 10 critical defects remain open and four security exceptions are still unresolved, continued progress across data extract reconciliation, system performance tuning, and security compliance in UAT environments has been achieved.

Existing Observation with Reopened Recommendations (Prior Findings)

IV&V ASSESSMENT AREAS

People

Process

Technology

OBSERVATION #: 2023.10.002.R1 STATUS: N/A TYPE: PRELIMINARY SEVERITY: N/A

TITLE: Formalize a Mutually Agreed to Project Schedule

Observation: The May 2025 project schedule continues to show a 54-day variance from the baseline, with no formal rebaseline in place to reflect ongoing challenges. This delay is primarily driven by unresolved critical system testing defects, persistent data extract discrepancies, and performance tuning issues in key batch jobs. The lack of a formal schedule rebaseline or CSEA agreed update further elevates the risk of downstream impacts on UAT readiness and stakeholder confidence.

Industry Standards and Best Practices: PMBOK® v7 Performance Domain: Planning – requires integrated schedules that reflect realistic milestone targets and incorporate decision-making frameworks, ensuring that governance and planning activities are fully synchronized for project success.

Analysis: The May 2025 project schedule continues to show a 54-day variance from the baseline, with no formal rebaseline in place to reflect ongoing challenges. This delay is primarily driven by unresolved critical system testing defects, persistent data extract discrepancies, and performance tuning issues in key batch jobs. The lack of a formal schedule rebaseline or update further elevates the risk of downstream impacts on UAT readiness and stakeholder confidence. This transition period provides a unique opportunity to align the project schedule with revised governance roles. Formalizing interim coverage and clarifying decision-making responsibilities can support final schedule rebaselining discussions and address stakeholder concerns about oversight and accountability. By integrating these updates into schedule alignment efforts, the project can reinforce collaboration and commitment to the Go-Live milestone.

Recommendation: REOPENED (2023.10.002.R1) – Improve the project schedule to address schedule concerns.

- 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.

Existing Observation with Reopened Recommendations (Prior Findings)

IV&V ASSESSMENT AREAS

People

Process

Technology

OBSERVATION #: 2023.10.002 R4 STATUS: N/A TYPE: PRELIMINARY SEVERITY: N/A

TITLE: Formalize CSEA Interim PM Coverage

Observation: In May the CSEA Project Manager went on a temporary leave of absence. CSEA Project Leadership is providing interim coverage. The project at the end of May was experiencing a 54-day variance with zero float in the critical path.

Related RAID Log Action Items have not been reassigned to interim coverage owners.

Industry Standards and Best Practices: PMBOK® v7 Performance Domain: Stakeholder – emphasizes maintaining active engagement and accountability during governance transitions to ensure continued project alignment and stakeholder confidence.

Analysis: Project Management Interim Coverage: The departure of the CSEA Project Manager in May has introduced an immediate need for documented interim project management coverage to maintain project governance continuity. While CSEA project leads have assumed responsibility in the short term, the lack of a formalized approach leaves potential gaps in accountability, risk tracking, and decision-making. Ensuring that interim coverage roles are clearly defined and integrated into overall project governance will reduce risks of miscommunication and schedule misalignment. The details of these governance alignments and assignments should be clearly communicated to stakeholders and reflected in project documentation.

Recommendation: (2023.10.002.R4)

- Have the interim PMs clearly define their roles and responsibilities in project management responsibilities and governance documentation.
- Actively plan, share and execute project responsibilities.

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.

TERMS

RISK

An event that has not happened yet.

ISSUE

An event that is already occurring or has already happened.

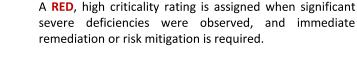
Criticality Rating

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.

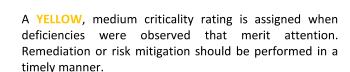


















A **GREEN**, low criticality rating is assigned when the activity is on track and minimal deficiencies were observed. Some oversight may be needed to ensure the risk stays low and the activity remains on track.



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.



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.



SEVERITY 1: High/Critical level



SEVERITY 2: Moderate level



SEVERITY 3: Low level

TERMS

POSITIVE

Celebrates high performance or project successes.

PRELIMINARY CONCERN

Potential risk requiring further analysis.



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



Assessa.	NT OBSERVATION	ON	ORIGINAL	CURRENT		INDUSTRY STANDARDS AND BEST						
AREA	ID	TYPE	SEVERITY	SEVERITY	OBSERVATION	PRACTICES	ANALYSIS	RECOMMENDATIONS	STATUS	STATUS UPDATE	CLOSED DATE	CLOSURE REASON
Process	2024.12.003		Moderate	Moderate	by unresolved defects, stalling progress on 92% of pending cases.	Management) defines prioritization as essential for maintaining project alignment with strategic objectives.	testing, which is stalled by unresolved defects impacting 92% of cases. Refocusing on critical path tasks and resolving key defects, as emphasized by SPM, will prevent cascading delays and enable progress in blocked testing areas.	Prioritizing critical deliverables ensures that delays do not propagate through the project timeline and unlocks progress for blocked testing activities.		2025/05/30: In May, non-critical tasks continued to be tracked and documented in weekly status reports, although no formal update was provided on their resolution. These tasks remain open and should be aligned with the critical path to avoid compounding downstream delays. 2025/04/30. Process and task tracking improved in April but key readiness items (Batch Finalization, Pen Test, Compiliance) are missing task details such as ownership or have not been fully scheduled yet. A formal Project Change Request PCR-31 was approved on April 10th, extending STI through April 30, 2025, and shifting this Go - Use date to October 26, 2025, with no cost impact. The targeted Go-Live date is currently November 11, 2025, to align with a long weekend for operational considerations. White the change occurring in mid-April the learn continues actively planning toward UAT and Scheduling alignments will continue through May, IVAV will continue to which increased risk in execution of UAT and Go-live. 2025/03/31: During March, Protech assumed full responsibility for test execution and defect management, including taking over administration of the lira defect tracking system. This transition supports improved traceability between test case execution and defect reacting system. This transition supports improved traceability between test case execution and defect reacting or the strategy of the system of the strategy of th		
Process	2024.12.005	S Risk	Moderate	Moderate	Festing metrics from weekly reports show varying levels of progress, with areas like enforcement batch validation at only 21% coverage. The risk log shows Issue M27: Data extraction delays highlight the need for improved progress tracking and reporting.	IEEE 1012-2016 recommends werfleation and wildlation checkpoints for effective oversight.	Inconsistent progress metrics, such as only 21% coverage in enforcement batch validation, indicate gaps in tracking and reporting that hinder effective oversight. Implementing a real-time dashboard, as recommended by IEEE 1012-2016, will provide actionable insights to prioritize resources and address delays efficiently.	[2024.12.06.81] Stabilish Progress Monitoring and Reporting implement are areal-lime dashboard to monitor test execution rates, defect closure, and coverage metrics. This provides actionable insights for targeting resources and resolving delays more efficiently.		2025/05/23. The weekly status reports and test status updates did not contain any evidence of final clarification or resolution of the discrepancies in defer treats courts across yestem testing, as such, there is no indication that these inconsistencies have been fully addressed or resolved, meaning this observation must remain open for continued monitoring and action. 2025/04/28- In April Protech (DDI) fully stood up and transitioned all testing activatives and ownership of the AWS environment for the ROM project. While the team is now using a testing dashboard in lira which is transparent, the Deliverable D-21 (System Test Results Report) is at 25% completion and defect traceability and test closure are not finalized. 2025/03/31: Throughout March, risk and issue tracking improved through targeted updates in the IVEX reports and touchpoint confirmations, beweever, the RAID log content was not consistently clied in weekly status reports. While VRX validated the active status of several key risks (e.g., Risk R89 related to data validation and Risk E112 concerning test execution continuity), these risks were primarily referenced through summary narratives, not as direct log term inlarges. The most recent RAID log submitted in March lists several active risks not fully integrated into status reports, suggesting this observation should remain open until cross-referencing practices between RAID logs and weekly reporting are standardized. 2025/02/28: While testing reports did show improvement in February, IVSAV will continue to monitor the clarity of the weekly testing reports (ting the transition of testing responsibilities to Protech. In order to placemark test reporting progress and clarity, the percentage of certain gene testing stream is as of 02/19/2025. Financial Test Deck (TTD): 75% complete (18 scenarios passod, 6 active). Facility of Testing: 38% validated (improving from previous months, but still below required levels). Facility of Testing: 38% validated (improving from previous months, but still be		
Process	2024.12.006	IG Risk	Moderate	Moderate	Some lower-priority testing, such as reporting subsystem batch jobs, reflects 0% progress.	PMBOK* v7 encourages scope and schedule flexibility in adaptive project environments.	activities. By deprioritizing these areas and requesting extensions, as supported by PMBOK® v7, the project can focus on achieving timely	(2024.12.07.81) Request Extension for Non-Critical Deliverables: Deprioritize non-critical testing areas and request extensions for their delivery to reallicate focus to critical testing, To ensure timely completion of high-priority deliverables such as RMS Go Live.		2025/05/30. May project updates did not provide explicit evidence of dosure for lower-priority testing tasks, such as reporting updates and document finalization. These activities remain open and require focused attention to complete supporting documentation. 2025/06/30. The incomplete state (25%) of 0-21 (System Testing Report) as of April 30 further supports keeping Observation 2025/2014.12.005 open. The delays are not isolated to minor reports, they affect key transition documentation necessary for testing and cutower. This document is essential for closing out system testing, gating acceptance testing start, and meeting stakeholder validation requirements. 2025/03/31: In March, the project team communicated and aligned on a revised Go-Live date of November 11, 2025, extending the overall timeline to accommodate continued validation activities, including batch outputs and reporting. While a formal extension requestion to the support of the continual testing start in the support of the support testing is included in the updated cutowar and UAT planning. Closure will also be contingent upon Protech completing the activities in the transition SOM for CSA to review and provide approval in order to formalte the exchedition. 2025/02/28: In February the testing teams have prioritized System Integration Testing (SIT) and Financial Deck Testing (TD) execution, delaying non-essential batch jobs to mitigate schedule risks. A formal extension request is in discussion to defer lower priority deleverables like reporting subsystem batch jobs, ensuring resource alignment with critical milestones. INZW will continue to monitor the outcome of the di		

ASSESSMEI AREA	ID OBSERVATIO	TYPE	ORIGINAL SEVERITY	SEVERITY	OBSERVATION	INDUSTRY STANDARDS AND BEST PRACTICES	ANALYSIS	RECOMMENDATIONS	STATUS	STATUS UPDATE	CLOSED DATE	CLOSURE REASON
Process	2024.12.007	7 Risk	Moderate	Moderate	Risks related to dependencies, resource availability, and stakeholder approvals are not explicitly mitigated in the schedule. Weekly reports highlight an increasing trend in defects, with 480 defects logged as of December 18, 2024.	ISO/IEC 16085:2021 highlights from Ampenderna as critical process for life cycle projects.	The increasing trend in logged defects (480 as of December 18, 2024) and unmitigated risks related to dependencies and resource availability emphasize critical gaps in risk management. Enhancing the risk mitigation plan, as recommended by ISO/RE 16085:2021, will address recurring issues in defect-prone areas like financials and interfaces, reducing the likelihood of further delays.	(2024_1_00.8.1) Further enhance the risk mitigation plan targeting defect- prione areas such a financials and enforcement systems, practively reducing the likelihood of additional delays caused by recurring issues.	Open	2025/03/30: The weekly status and testing reports continue to document an upward trend in total logged defects, reaching 480 as of task May. This inforesce ongoing risks to schedule alignment and stakeholder crodineer of defect colourer efforts are not prioritized. 2025/04/30: Compilance and Penetration Testing tasks, dependencies and resource availability remain unassigned as of April 30. 2025/03/31: In March, risk awareness remained a core focus across IV&V and stakeholder reporting, with specific emphasis on transition readiress, batch data quality, and cutover planning risks. Active risks such as fisks 489 (data extraction) and fisk #1.2 (testing transition) ever transition readiress, batch data quality, and cutover planning risks. Active risks such as fisks 489 (data extraction) and fisk #1.2 (testing transition) ever transition) ever transition or except the open risks algored with negoting project concerns. However, AdD log integration into weekly reports was still partial, with risk 10- not consistently rised in narrative and stakeholder communications. 2025/02/28: In February, risk management processes remain active, with ongoing monitoring of resource allocation, batch job validation, and interface file resolution. Several risks remain open, including data extraction delays, defect resolution issues, and resource constraints. Additional verification and sustained monitoring are needed to ensure risk militigation strategies are fully implemented before closure. 2025/01/31: Risk mitigation efforts, including strengthened collaboration between teams to address system integration challenges and resolute fully implemented before closure.		
Process	2023.10.002	Risk	Woderate	Moderate	Project management responsibilities may impact effective project execution. The review of prior findings confirms that several closed issues correlate with ongoing challenges in data validation, resource management, interface dependencies, and testing progress. To ensure project success and minimize cutiveer risks, reopening these findings and implementing corrective actions are advised. Dependencies such as task 593 for "KMS- Acceptance Test Scripts Development Complete" remain unfulfilled. Weekly reports identify unresolved data file dependencies and incorrect file formats (e.g., GDG issues in batch) jobs, further delaying progress. Linear task sequencing contributes to delays where tasks could feasibly run in parallel (e.g., compliance and database migration). Financials have 0% validation coverage in the refined UI, highlighting the backlog. REOPENED - May 2025 The May 2025 project schedule continues to show a 54-day variance from the backline, who formal rebaseline in place to reflect orgoing the backlog of the schedule continues to show a 54-day variance from the backline, who formal rebaseline in place to reflect orgoing the backlog of the schedule continues to show a 54-day variance from the backline, who formal rebaseline in place to reflect orgoing the same schedule continues to show a 54-day variance from testing defects, presistent data entract discrepancies, and performance turning issues in the synthetip libs. The lack of a formal scheduler rebaselie or update further elevates the risk of downstream impacts on UAT readiness and stakeholder confidences have severed the project with CSEA Project Leadership propoviding interim coverage. The project at the end of May was experiencing a 54 day variance with zero float in the critical path. Related RAID tog Action items have not been reassigned to interim coverage owners.	smely task completion. Performance Domain: Stakeholder – emphasizes maintaining active enegagene and accountability during governance transitions to ensure continued project alignment and stakeholder confidence. Performance Domain: Planning – requires integrated schedules that reflect realistic schedules are fally symbronized for project success. ISO/IEC 16085-2021. ISO/IEC 16085-2021. Isommends proactive risk management to identify areas where concurrent task	ISSA'S KERIO system currently relies on a legacy opherfusion system ununing on the State's mainframe for system file and data exchanges with wullpie State of twain agencies. The timing of multiple agencies moving off the renainframe and different times will result in the need to modify KEIRU system interfaces after the system has been deployed. Until other State modernization projects are completed, the KEIRI project cannot perform server-based data exchanges and will need to continue to interface via the mainframe. In addition, as the KEIRI project involves integrating a modernized child support system with existing legacy systems, there may be other technological and architectural gaps that arise. These gaps can include differences in technology stacks, such as programming languages, datased the timing of concurrent State of Hawaii modernization projects and upgrades, the end-to-end testing of the KEIRI system may necessitate the undertaking of supplementary tasks, allocation of additional resources, and coordination efforts. REOPENED-May 2025 Schedule Variance: This delay is primarily driven by unresolved critical system testing defects, persistent data extract discrepancies, and performance uniting issues in key batch jobs. The lack of a formal schedule rebaseline or update further elevates the risk of downstream impacts or UAT readiness and stakeholder confidence. Project Management Interim Coverage: The departure of the CSEA Project Manager in May has introduced an immediate need for documented interim project management coverage to maintain project governance continuity. Wille CSEA project leads have assumed responsibility in the Monte methods of a formalted approach leves poeting lags an accumulatility risk tracking and decision-making. Furning this interim coverage roles are clearly defined and integrated into overall project governance will reduce risks of miscommunication and schedule interim coverage roles are clearly defined and integrated into overall project governance will be clearly communic	schedule concerns. De 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 and then hold parties accountable for tasks and deadlines. REOPENED 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 each are resource constraints, dependencies, and undefined tasks. Assess potential opportunities for parallelizing workstreams and efforts.		Jaz25/05/20: The cut of the CSEA Project Manager which is now being covered by the CSEA project leads furthers the need to update prevenance and decision frameworks to document and formulate the roles of interm CSEA project leads covering the CSEA Project Management responsibilities. This will ensure accountability, maintain stateholer alignment and reduce the risk of gast in project overright and consistency. This would be an opportune time to access the root cause striving schedule delays and work with Protech to align an agreed schedule in order to eliminate further cascading delays in the project good taste, which is experiencing a 54 day variance from the baseline schedule and 64 My 30, 2025. Project governance downthers, (e.g. ARD 10g.) should be revewed and assigned to appropriate action owners. Communications should be drafted to all project stakeholders in order to align them to the appropriate project manager with area of oversight responsibility. 2025/04/30: The root causes driving schedule delays, such as lack of resource clarity, overlapping dependencies, and unscheduled support tasks, remain visible in April. While the project team responded to delays with schedule updates (PCR-3) and completed STI Treation 2, the conditions that led to earlier delays have not been systematically mitigated. The continued shifting of the estimated Go-Live date beyond PCR-3's approved timeline further supports the observation that a durable resolution has not yet been realized. VEV also notes that the ricinical path from Deliverable D-21 approval to Acceptance Testing start from langer pressure, with area float, increasing the likelihood of cascading delays if unresolved tasks are not completed prompty. VEV recommends that the project team consider conduction, a raison and testing and cascading delays if unresolved tasks are not completed prompty. VEV recommends that the project team consider conduction, a raison and testing and cesting-related biockers, and IVXV variation project and casks are also approached to a		Original Closure Note: Closed as the project managers are working more collaboratively to share and execute project responsibilities.

ASSE	SSMENT OBS	ERVATION	ORIGINAL	CURRENT		INDUSTRY STANDARDS AND BEST						
ARE	ID	1 06 001	PE SEVERITY	SEVERITY	OBSERVATION The state of the st	PRACTICES	ANALYSIS	RECOMMENDATIONS	STATUS	STATUS UPDATE	CLOSED DATE	CLOSURE REASON
Tech	nology 202	4.06.001 Ri	sk Moderate	Moderate	There is a risk for delays in the data extraction process, which is critical for the cutover activities, due to reliance on shared mainframe resources,	IEEE 1012-2016	The data extraction process is critical for the cutover activities and current projections show potential for significant delays. This issue results from reliance on shared mainframe resources, inefficiencies in data extraction programs, and long download/upload times. Each time new data is	2024.08.001.R1 - Verification of Data Extraction and Conversion Processes • Standard(s): IEEE 1012-2016 Emphasis: Verification ensures that the	Upen	2025/05/30: The May weekly status and testing status updates confirmed that data extraction processes and performance discrepancies continue to delay system readiness for UAT testing. Additional testing cycles and data mapping validation efforts are underway to	1	
					inefficiencies in data extraction programs, and long download/upload times.		needed for testing, the entire database must be extracted, which is time-consuming. CSEA is evaluating a SQL replication strategy to replace the	system is built correctly according to its specifications.		address these extract issues. IV&V will continue to monitor progress toward the July target.		
					This could impact the project by increasing costs, compromising the quality		current process and has assigned two dedicated resources to identify and test this approach. Daily meetings with DDI and CSEA have been	o Recommendation: Implement a thorough verification process for all		and the tribute state is a second of the sec		
					of the overall solution, and causing operational downtime of 4 to 5 days		established to collaborate on this issue. The target for validating this approach is July 31st.	data extraction and conversion methods, particularly the Ascii to BCP		2025/04/30: In April CSEA and Protech (DDI) continue daily coordination post transition (DataHouse departure and transitional SOW		
					during the cutover weekend, thereby extending the project timeline.			script conversions. Establish checkpoints where the file counts and		activity completion). SQL replication testing is active but not yet fully validated as stable (RAID log Risk #89). Over 30 data outputs from		
							The static data collected from the data extract process projects a worst-case scenario of 12 to 36 days to fully extract ADABAS data to the 374 flat	conversion accuracy are verified before moving to subsequent phases of		the Feb 18th batch are still in the validation process and the process is still reliant on workarounds and contingency planning ahead of		
							files, including downloading and uploading the files. This arises due to: 1) CSEA uses a shared mainframe, 2) inefficiencies of data extraction	the project to avoid potential issues in later stages.		the July 31 validation target. Observation 2024.06.001 should remain open. While progress across all four recommendation areas is		
							programs, 3) download/upload times. The data extract process is central to the cutover activities completing over Fri/Sat/Sun. If not improved, CSEA may face 4/5 days operational downtime for cutover weekend.	2024.08.001.R2 - Validation of Extracted Data Consistency • Standard(s): IEEE 1012-2016 Emphasis: Validation ensures that the		evident, final validation has not been achieved, and extract-related risks remain active. Continued IV&V monitoring is necessary through July to assess the effectiveness of SQL replication and full extract validation before the system cutover.		
							CSEA may race 4/5 days operational downtime for cutover weekend.	system meets its intended use and satisfies user needs.		July to assess the effectiveness of sign replication and full extract validation before the system curover.		
								o Recommendation: Conduct end-to-end validation of the extracted data.		2025/03/31: In March, the project team made notable progress toward addressing data extract quality issues, including the launch of		
								ensuring that the SQL-to-SQL comparisons are consistent and match across		structured half-day CSEA agency validation sessions, and the initiation of a deliverable to identify non-printable characters in hybrid DB		
								systems (Protech and CSEA). Given the noted discrepancies, a validation		fields. Although SQL replication failures and data formatting mismatches remain contributors to delayed batch output validation, Risk		
								step should be introduced after each major extraction and conversion task		#89 continues to track these issues as open. With key activities underway but final validation still pending for over 30 outputs from the		
								(e.g., Task 18). This will confirm that the extracted data matches the		February 18 batch cycle, this observation should remain open, with closure considered once extract stability and validation results are		
								expected output and is usable for further processing.		fully confirmed. We acknowledge that targeting the new Go-Live date of 11/11/2025 to utilize a long weekend for cutover will reduce		
								2024.08.001.R3 - Risk Management for Binary and Ascii File Handling • Standard(s): IEEE 1012-2016 Emphasis: Risk management is integrated		risk.		
								into the IV&V process to identify potential risks and implement mitigation		2025/02/28: While progress has been made in refining extraction strategies and implementing validation checkpoints, full validation and	ı	
								strategies.		risk mitigation have not been achieved, and cutover risks remain active. Continued IV&V monitoring is required to ensure SQL	1	
								o Recommendation: Assess the risks associated with the conversion and		replication testing is validated and operational before cutover planning. SQL replication testing continues (2024.08.001.R1), with CSEA	1	
								handling of binary and Ascii files. Discrepancies in binary file counts and		and DDI holding daily coordination meetings, but validation of the approach has not yet been completed. These activities will need to	1	
								the use of converters for 27 files were discussed. It is recommended to		resume with Protech taking over DDI's responsibilities. Verification and validation steps have improved (2024.08.001.R2), but		
								perform risk analysis on these conversions, ensuring that any potential		discrepancies in extracted data persist, requiring additional conversion accuracy checks and space management adjustments		
								data corruption or loss during conversion is identified and mitigated. Consider implementing additional testing and validation for these specific		(2024.08.001.R4). Risk management for binary and ASCII file handling.		
								flor		(2024.08.001.R3) is ongoing, with proactive error tracking reducing potential corruption risks, but validation remains incomplete.		
								2024.08.001.R4 - Resource Management and Space Availability		1222-00-022103 5 origing, was producted a role during reducing potential conspicutions, and roll original role of the role of		
								IEEE 1012-2016 Emphasis: Resource management is crucial for the		2025/01/31: The latest status update for January indicates continued collaboration between CSEA and DDI to refine the SQL replication		
								successful execution of project activities.		strategy, with dedicated resources actively testing extraction improvements to mitigate risks associated with prolonged data transfer		
								o Recommendation: The observation regarding potential space risks		times. In alignment with IEEE 1012-2016, verification checkpoints have been partially implemented (2024.08.001.R1), validation steps		
								should be taken seriously. Conduct a resource assessment to ensure that		for extracted data consistency are progressing (2024.08.001.R2), and additional risk assessments for binary and ASCII file handling are		
								there is sufficient storage and computing resources to handle the extraction, conversion, and processing of data. This should be done before		ongoing to prevent data corruption (2024.08.001.R3), while space availability concerns remain under review with contingency planning in progress (2024.08.001.R4).		
								the extraction process begins, with contingency plans in place in case of		in progress (2024-06-001.n4).		
								resource shortages.		2024/12/24: (2024.08.001.R1) - Verification of Data Extraction and Conversion Processes: Verification processes have progressed, with		
										partial implementation of checkpoints for ASCII to BCP script conversions. File counts and conversion accuracy validations are ongoing,		
										resolving discrepancies iteratively to reduce downstream errors. Additional automated checks are required to fully strengthen the		
										verification process.		
										(2024.08.001.R2) - Validation of Extracted Data Consistency:		
										SQL-to-SQL comparisons between Protech and CSEA systems have advanced, with validation checkpoints introduced after major extraction tasks. Improvements in data alignment are evident, but interface data discrepancies remain, requiring further validation for		
										extraction tasks. Improvements in data alignment are evident, but interrace data discrepancies remain, requiring further validation for end-to-end consistency across systems. Batch validation using September 30 production data demonstrated reduced inconsistencies.		
										(2024.08.001.R3) - Risk Management for Binary and ASCII File Handling:		
										Risk assessments for binary and ASCII file conversions have identified critical areas requiring additional testing to mitigate risks of data		
										corruption. Packed binary and date/time field issues have been resolved, but validation of file integrity during conversion phases is still		
										crucial. Proactive error tracking has minimized potential issues during testing phases.		
										(2024.08.001.R4) - Resource Management and Space Availability:		
										Resource assessments and adjustments to mainframe utilization have improved testing efficiency by addressing storage and		
										computational limitations. Contingency plans for storage shortages have been established, ensuring smoother testing and batch processing cycles. Continued focus on resource prioritization is needed to avoid delays in high-demand testing periods.		
										processing cycles, continued rocks on resource provinced and a rectal desired and a resource provinced and a second desired and a rectal desired and a recta		
										IV&V will continue to monitor these recommendations and validate progress until full resolution is achieved.		
											1	
										2024/11/27 - (2024.08.001.R1) - Verification of Data Extraction and Conversion Processes		
										Verification processes have been strengthened, particularly for ASCII to BCP script conversions. File counts and conversion accuracy are	1	
										now validated during batch validation and regression testing phases, with checkpoints implemented to ensure accuracy before	1	
										advancing to subsequent phases. Discrepancies if field alignment and conversion accuracy are being resolved iteratively, reducing	1	
				1						downstream errors.	1	
										(2024.08.001.R2) - Validation of Extracted Data Consistency	1	
										[2024.U8.UU1.K2] - Validation of Extracted Data Consistency End-to-end validation has been introduced, including SQL-to-SQL data comparisons between Protech and CSEA systems. Validation	1	
										checkpoints after major extraction tasks ensure consistency in extracted data outputs.	1	
										Major improvements in data alignment and reduced inconsistencies, as seen in batch validation using September 30 production data.	1	
										(2024.08.001.R3) - Risk Management for Binary and ASCII File Handling	1	
				1							1	

ASSESSM	OBSERVATI		CURRENT	INDUSTRY STANDARDS AI	DEST ANALYSIS	RECOMMENDATIONS	STATUS	STATUS UPDATE	CLOSED DATE	CLOSURE REASON
								Adetailed risk assessment has been performed for binary and ASCII file conversions, particularly for 22 critical files identified in earlier phases. Additional testing is underway to mitigate risks of last curruption during conversion. Proactive error tracking and resolution are reducing potential issues, with measures in place to validate file counts and integrity during each phase of testing. (2024.08.001.Rd) - Resource Management and Space Availability Resource assessments were conducted to ensure adequate storage and computational capacity for extraction and conversion tasks. Contingency plans have been established to address potential storage shortages or computing delays. Resource prioritization and adjustments to aminifiem currillation have minimized space risks and improved processing efficiency for ongoing testing and validation. IV&V will continue to monitor the above recommendations until there is consistent evidence of resolution.		
								2024/10/31 - 2024.08.001.R1 [Verification of Data Extraction and Conversion]: Open — In Progress: Verification steps are underway with some checkpoints implemented. Critical issues, illee date/time discrepancies, have been resolved. Checkpoints to verify file counts and conversion accuracy have been partially implemented, although more robust, automated checks are still needed. 2024.08.00.1R.Z (Validation of Extracted Data Consistency): Open — Partially [mplemented: 50], replication and extraction validations have progressed, their critical issues such as date/time and packed fields now revolved. The October roports indicate that ongoing discrepancies in interface data and batch outputs still require validation to confirm end-to-end consistency across systems.		
								2024.08.00.1R.3 (Risk Management for Binary and Axel File Handling): Open – In Progress. Some risk assessments have been completed, but specific evaluations for the hinary and Axel files are still needed. The packed file and dately firm data sisses were resolved, reducing some risk associated with binary data. Additional validation and testing for converted files remain crucial to ensure data accuracy in other key areas. 2024.08.00.1R.4 (Resource Management and Space Availability). Open – Ongoing Evaluation: Resource constraints, particularly related to mainframe and storage capacity, are still an area of focus. The October updates highlighted that batch and interface testing are sometimes delayed to to dependency on shared mainframe resources and long runtimes for large batch jobs. Develop contingency plans to manage high-demand periods and alleviate mainframe dependency for smoother testing cycles.		
								2024/9/30. There is a delay in the resolution of the production test data delivery method, as noted in the weekly status report. The datetime issue with the replicated SQL data is a key blocker, with the CSEA working to resolve this through Natural programs. This has the potential to delay ricital stering plays, as It imposed the ability to test with accurate production data. The date/filme issue continues to be a blocker. Nalls and packed binary fields have been resolved. The UI refinement process has progressed, with 84% of the skas completed, however, final lation and validation are sull pending, and the scheduling of the walkforugh of the UI Refinement Plan is underway. The Financial Test Deck (FTD) execution is still only 35% complete, and scenario execution is 17% complete, while not directly on the critical path, delays in the FTD outlib become a future risk if unresolved issues persist. Batch testing is progressing, with 31% of batch test execution complete.		
								2024.08.001.R1 (Verification of Data Extraction and Conversion): Open – Progress made but verification of Asci to BCP scripts and checkpoints not fully implemented. 2024.08.001.R2 (Validation of Extracted Data Consistency): Open – Partial progress, but full end-to-end validation of extracted data is still pending. 2024.08.001.R3 (Risk Management for Binary and Ascii File Handling): Open – No mention of specific risk assessments for binary and Ascii file handling; further analysis needed. 2024.08.001.R3 (Risk Management and Space Availability): Open – Ongoing evaluation of SQL replication strategy; resource		
								concerns still active. 2024/8/30. The key decision to determine and finalize the method of test data delivery is now anticipated for September and the outcome is now based upon the solution for the date/time issue and the packed binary fields. CSEA and Protech have worked diligently to clear the other issue of nulls. 2024/7/31: CSEA is still investigating and testing the SQL to SQL solution, however, the testing results are still not meeting CSEA's expectations. CSEA's decision is due during the first week of August. Because of CSEA's concern that this issue is still unresolved, the potential impact on the schedule, the severity has been raised to high.		

ASSESSMENT OBSERVATION ORIGINAL	CURRENT		INDUSTRY STANDARDS AND BEST					
AREA ID TYPE SEVERITY	SEVERITY	OBSERVATION	PRACTICES	ANALYSIS	RECOMMENDATIONS STATE		CLOSED DATE	CLOSURE REASON
2024.03.001 Risk Moderate	Moderate	The timing of other State of Hawaii modernization projects impacts the ability to properly design KEIR system interfaces and will necessitate the need for interface modifications after its deployment, which can lead to additional costs, delays, and disruption to the system.		CSEA's EIKB system currently relies on a legacy opheriusion system running on the State's mainframe for system file and data exchanges with unbiles faste of hiswali agencies. The time of multiple state of shawali agencies. The time of multiple state of shawali agencies. The time of multiple state of shawali agencies. The time of multiple agencies moving off the mainframe and fifterent time will result in the need to modify KEIIs system interfaces after the system has been deployed. Until other State modernization projects are completed, the KEINI project cannot perform server-beaded data exchanges and will need to continue to interface with the mainframe. In addition, as the KEIRI project involves integrating a modernized child support system with existing legacy systems, there may be other technological and architectural gaps that arise. These gaps can include differences in technology stacks, such as programming languages, database systems, and operating environments, as well as the absence of modern application programming inferiors (caPile) in the legacy systems. Based on the timing environments, as well as the absence of modern application programming inferiors (caPile) in the legacy systems. Sate of the work of the capital system is a state of the capital system and the capital system is a state of the capital system and the capital system is a state of the		1 2025/05/30 in May, interface dependency updates focused on the CSEA proposed changes to the BOH interface file format, which have yet to be formalized and interpraced into the schedule. Interface setting continues continued to address performance and data validation concerns, including FTP interface updates, and mock file exchanges with external partners. Protech and CSEA should establish a formal change control process for interface updates, ensuring that any new interface file formats or dependencies are incorporated into the project baseline and verified through testing. 2025/04/30: Interface structures have been defined and designed for flexibility, but interface testing and retest confirmation remain incomplete. Dependencies on other agencies modernization timelines continue to impact readines, and discrepancies between legacy and replatformed outputs are still under resolution. Discretation 2024.03.001 should remain open to track continued validation and confirmation of interface constability with both modern and legacy veters. While the terreface inventory and flexibility planning are complete, testing delays and agency modernization dependencies are still impacting readiness and traceability. 2025/03/03/15. In March, Protect lapps an validating the 228 goon defects shallow in its including enter of 10 succonfirmation discuss, and took ownership of ensuring traceability between defect resolution and retesting outcomes. While STT eretisting is well underway for most UI and batch-feated defects, interestic testing continues to experience delays, particularly due to discributes apartiting stellar period ownstream system consumption. These challenges have limited retesting continues of finditivities apartiting stellar period ownstream system consumption. These challenges have limited retesting confirmation for interface-related defects, therefore, this observation emission special period of the stellar period of the s		
						step to confirm readiness for production. 2024/11/27 -(2024.03.001.R2) – Interface Planning and Compatibility All interfaces have been cataloged, classified as inbound, outbound, or both, with their communication protocols clearly defined. This includes identifying dependencies with external systems from partner agencies. Further validation of interface files, particularly those with missing or incomplete data, is being priorized valuring ongrap back thestign, interfaces and related data structures have been developed with flexibility in mind, allowing for future changes without significant redevelopment. The system design supports updates to schema or message formats. Continue refirms glexibility by testing adaptable with most data representing potential future scenarios and configurations, interface validation testing is underway using production-like files. Infinal validations highlighted discrepancies in legacy and replatformed compass, which are being addressed deteatively. Detailed testing will continue alongside integration testing (STT) to ensure that interfaces remain compatible with uggrade to external agency systems. 2024/10/31: 2024.07.00.LR3 (Alignment of Data Policies with Chief Data Officer) CSFA has conducted the recommended meetings and established alignment on data exchange policies and impact assessments, in recommendation can be closed. Continued coordination could be noted as a follow-up item rather than an open recommendation. In identifying interfaces, and with continued focus on data coordination of flexibility planning, we can further strengthe alignment with this recommendation. Onegoing efforts to secure reliable coordination.		
						data and enhance adaptable structures will help ensure compatibility and reduce potential disruptions in the future. 2024/09/30: The new Chief Data Officer is engaged in the focus on data governance policies and interface details with the EFS team, this effort will be ongoing through project Go-Live. 2024/08/30: ETS new Chief Data Officer has been aligned as a key stakeholder and is in the process of focusing on data governance policies and interface concerns with the EFS team (2024.07.00.R1) IV&V will continue to monitor and update as the focus on policies and interface concerns progress. 2024/07/31: The Chief Data Officer and the EFS team have been contacted and will be meeting with CSEA.		
						2023/06/30: CSEA and Protech agreed to develop a list of interfaces categorized into three groups: 1) Away (source: AWS vs. Mainframey). Z Mainframe (group of interfaces on the mainframe with departments pointing to Away), and 3) Cyberfusion. They also decided to share this list at the nost monthly meeting with State Departments. IV&V will continue to monitor the coordination with other State of Hawaii modernization projects 2024/05/31: Acculy closed one recommendation as CSEA is coordinating regular meetings with impacted State of Hawaii agencies to monitor the status of their modernization projects and mainframe operations. CSEA is planning to develop an inventory of interfaces to share at an upcoming meeting with impacted Departments.		
						2024/04/20: CSEA organized a meeting with other Departments in April to exchange information regarding the status of their respective system modernization efforts, specifically those related to the shared mainframe and dependencies.		

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ASSESSME	OBSERVATION	THOS	ORIGINAL	CURRENT	ORSERVATION	INDUSTRY STANDARDS AND BEST	**************************************	RECOMMENDATIONS	CTATUC	CTATUS LIBOUT	CLOCED DATE	CLOCURE REACON
People	2024;12.001			SEVERTY Moderate	Critical tasks like "AWS Environment Public/S Compliance" and "KMS: Acceptance Test Scripts Development Complete" have 0% completion despite their planned start in October 2023. This indicates potential resource or prioritization constraints. Weekly testing reports highlight slow progress due to insufficient resources (data processing) allocated to batch validation	resource optimization as part	AMAYSS Recourse allocation challenges are hindering progress on critical tasks like compliance testing and test script development, evidenced by 0% completion rates and testing backlogs (e.g., only 15% of batch) jobs validated). Addressing these issues through skilled resource deployment and upskilling initiatives will mitigate delays, accelerate milestone completion, and align with PMBOK* principles for optimized resource management.	(2024.12.001.R1) Enhancement of resource allocation: the vendor team should consider assigning and aligning additional or more experienced	STATUS Closed	STATUS UPDATE 2025/04/30 System Installation activities progressed to 66% completion, including KERI database and AWS-hosted environment configuration. IRS Pub 1075 (security and privacy requirements for agencies and contractors who receive or process Federal Tax Information) compliance was documented and tracked throughout 0.11 Functional 131 and system stering were completed in April, and backing text cases appear closed via full script execution in STI Iteration 2, which shows all 131 text scripts were executed and passed. IVXV recommends (coling this observation and its resulting recommendation (2004.12.001.R.II). 2025/03/31: As of March 2025, CSEA has confirmed that they have appropriate access to AWS since the Protech transition and overall testing access and coordination have improved, particularly through structured agency validation meetings led by CSEA. The KERI projects bach testing was reported as 95% complete, according to the most recent Critical Path schedule update. This reflects cumulative progress across multiple batch testing textations, including performance tuning efforts and output validation cycles associated with the February 18 dataset. The remaining batch activities, including performance tuning efforts and output validation cycles associated with the February 18 dataset. The remaining batch activities, including textation as off and additional validation are soft and additional validation are soft and additional validation and additional validation and soft access that the project as of February 20, 2025, cashing the necessity for a testing allocation transition plan to Protech which is still in progress, NEV will continue to monitor progress. 2025/01/31. Progress continues in addressed.		CLOSURE REASON See Status Update 2025/04/30
People	2024.12.002	Risk	Moderate	Moderate	are critical to task progression. Weekly reports indicate challenges in joint troubleshooting sessions with IBM due to PII and file transfer protocol	awareness and desire for	Engaging multiple stakeholders in concurrent projects (Risk #31) is critical to mitigating interface testing risks, but this requires synchronized coordination to prevent delays. Interface workshops and stakeholder meetings (Risk #35) play a key role in fostering collaboration and ensuring timely resolution of interface related issues, reducing the risk of misalignment in testing and implementation activities.	2024.12.002.R1) Facilitate regular communication with stakeholders like CSEA through daily meetings to expedite resolution of open issues. This will improve turnaround time for deter resolution and test execution dependencies while strengthening stakeholder engagement.	Closed	2025/02/28. CSEA is holding half day meetings with the business teams that started in early February to ensure that all the test scripts are fully reviewed and edited in order to expectite the resolution of open issues. This activity also provides a mechanism for change management by fostering collaboration and a mutual understanding of expected furthcriality, reducing the risk of misalignment in testing. IVSV notes that this recommendation has been acted upon and will close accordingly. 2025/01/31: The status this month reflects ongoing efforts to enhance system integration and streamline data exchange processes, with incremental improvements in validation and testing workflows. Despite progress, key dependencies and unresolved technical issues continue to pose challenges, requiring further collaboration and refinement to achieve full resolution.		N&V notes that this recommendation has been taken into action and will close accordingly.

ASSESSMENT OB	SERVATION		ORIGINAL	CURRENT		INDUSTRY STANDARDS AND BES	т					
Process 20	24.08.001	TYPE Risk	SEVERITY Moderate	<u>SEVERTY</u> LOW	ObservAtion Industry Standards and Best Practices: IEEE 730-2014 standard recommends that status reports include certain key information to ensure effective communication of testing and quality assurance activities.	PRACTICES		based on the current state of testing, as well as the next steps for future	r 1	STAILS UPDATE. 2024/10/31:20/24.08.001.R1 (Testing Reports) The weekly testing reports now include pass/fail rates, coverage metrics, defect tracking and milestone updates, providing a clearer understanding of testing progress and project health. This aligns with the recommendation for improved reports metrics and stakeholder communication. 2024/09/30: 2024.08.001.R1 (Testing Reports) Significant improvements have been made in the most recent reports and provide a clearer understanding for all stakeholders. IV&V will continue to monitor as these improvements to visibility progress.	(LOSED DATE , 2024/10/31	CLOSURE REASON There is now an aligned and improved test reporting metrics with stakeholder communication and advantage of the state of
Process 20	24.06.002	Risk	Moderate		The project faces a significant risk of incurring extensive costs for delivering the necessary data to test the refactored ERI application, potentially leading to delays in the project timeline and increased budget constraints. Desptet discussions with Protech and AWP, the issue remains billing-related rather than technical, necessitating ongoing negotiations with ETS to determine financial responsibility. CEA has developed a second option to use a SQL to SQL transfer in to reduce the amount of federal funding needed for this piece of the contract. In the month of July testing will be conducted to test the viability of this cost saving measure. A decision will be made at the end of July, With the new State Clost starting on Jugust 15, decision-making could be further delayed into the Fall.		Meetings have been held with Protech to discuss the data extraction costs. Protech has engaged AWS for opions, but AWS indicates the size is billing-related, not technical. The cost of delivering data for testing is critical for the KEIR protect, DCSA finds the current costs prohibitive. Discussions with Protech and AWS indicate the need to resolve the billing issue rather than technical challenges. Without a resolution, this issue could impact the project timeline and budget. CSEA continues to engage ETS to negotiate a cost cap and explore alternative solutions.	2024.07.002.R1 - Continue negotiations with ETS to secure financial support for data delivery, * Engage in discussions to find a feasible cost structure that aligns with project budgets. * Ensure clear communication of cost concerns and impacts to ETS. 2024.07.002.R2 - Explore alternative solutions with Protech and AWS. * Ensure clear communication of cost concerns and impacts to ETS. 2024.07.002.R3 - Explore alternative solutions with Protech and AWS. * Investigate potential cost-awing measures or alternative storks and manage billing concerns. 2024.07.002.R3 - Improve performance of data extraction programs to minimize timing and associated costs. * Work with Protech to identify and implement optimizations in the data extraction process.		2024/07/31: The SQL to SQL method for data extraction and transfer has been confirmed. CSEA has addressed the issue of cost.	2024/07/31	The SQL method for data extraction and management of the control o
Process 20.	24.03.002	Issue	Moderate	Moderate	Inadequate schedule and resource management practices may lead to project delays, mised project activities, unrealistic schedule forecasts, or unidentified causes for delays.		The overall project end data and Go-Live data is projecting a 17-day variance due to the delay in the assessment validation which was completed in February. It is crucial for the Protect and CESA project managers to both take active roles in tracking and monitoring project activities, especially delayed and upcoming tasks, to callaborate on ways to get the project back on track. Although the project metrics are showing a 17-day variance, some project tasks are delayed 1 to 2 months from the approved baseline including building the KRIKI database, developing system test scripts, UI design, UI development, code conversion, system test execution, etc. CSEA should have a clear understanding of the impact of delays on the overall timeline and validate the 17-day schedule variance.	2024.03.00.2R.1 – Sased on the complexity of the EKBI project, review and adequate resources. The project managers should meet weekly to discuss the project schedule, continue to identify detailed-level tasks based on high-level tasks. The project manager should meet weekly to discuss the project schedule, continue to identify detailed-level tasks based on high-level temiline, and identify schedule and reprovuer related risks. *The CSEA project manager should conduct independent reviews of the schedule and project metric, proactively communicate upcoming State tasks to CSEA stakeholden, create State specific detailed schedules, and communicate any concerns with the quality of vendor execution. *The Protect project manager should be executing tasks based on the approved schedule in the project manager should be executing tasks based on the approved schedule sche		2024/05/30: Issue closed. The schedule was updated and the 17-day variance was successfully mitigated, ensuring the project remained on track. The project schedule continue to the discussed weekly. IV&V encourages the CSEA PM to conduct in depended reviews of the schedule and project metrics. IV&V will continue to monitor progress made on schedule and resource management practices. 2024/05/31: Protect delivered a draft of the replanned project schedule and analysis for CSEA's feedback and approval. The revised schedule maintains the original Go-Live date. 2024/05/30: Project managers started meeting regularly to review the project schedule. The project managers will do a deeper analys of the upcoming technical tasks, and then recalibrate the project schedule in May.		The schedule was updated and the 12- day variance was successfully miley day variance was successfully miley dependent of the successful was successful. The project schedule continues to be discussed weekly.
Process 20.	24.02.001	Preliminar y	r N/A	N/A	Additional information is needed regarding Protech's program development and testing approach.		In Ebruary, Protoch delivered the System Requirements Document and Text Plan which are still under review. CSAA already provided a number of comments for both deliverables requesting additional clarification or additional documentation. Both deliverables do not provide sufficient understanding of Protoch and One Advanced's approach for the program development and testing phase. There needs to be a clearer mutual understanding of how Protoch's development and testing approach will ensure that the new system and user interface will maintain the same functionality, data, and system interfaces save to disystem. The System Requirements Definition deliverable is high-level documentation of items such as source code, data component, and interface tables but does not actually capture the required functionality using industry standard format for requirements. Documenting requirements is especially important for the development of the new front-end user infractace (UI). The System Requirements Definition deliverable included a buter interface section but does not include sufficient information regarding UI requirements. Protoch has another UI Relimenter plan deliverable in Inday 2024, however, it is undicar UI requirements will not be used to manage development of UI as well as replatforming and refactoring of code work, then it is important to understand how Protoch and One Advanced are planning to manage and report on development progress. Additionally, without documented visitem requirements, testing will be even more critical for identifying gaps in its rissues with functionally during the development process. CSEA also has a number of comments and questions on the Protoch Text Plan deliverable. In addition to the System requirements and cuestions on the Protoch Text Plan deliverable. In addition to the System requirements and cuestions on the Protoch Text Plan deliverable.		Closed	2024/05/20: Preliminary closed. CSCA acknowledged the risk associated with not having defined UI system requirements. Instead, the test scripts are used as the requirements. The teams collaborate closely and hold regular test meetings to ensure alignment and thorough testing. 2024/05/31: Protech's testing approach presentation was pushed back to June. The presentation is critical as test scripts are finalized and system testing begins in June. 2024/05/30: Protech will present their testing approach in May. The presentation is important as test scripts are finalized, and system testing is approaching. 2024/05/31: Protech is planning on a presentation in April or May to explain how their testing approach will ensure that the new system and user interface will maintain the same functionality as the old system. Without documented requirements, it is still unclear how program development progress, testing, and acceptance will be managed and monitored.	2024/06/30	CSSA acknowledged the risk of not having defined Ulystem requirements and addressed it by using test scripts and the requirements. Additionally, the teams collaborated closely and held regular test meetings to ensure alignment and thorough testing. This approach mitigates the risk by ensuring that the testing process is comprehensive and that any issues are promptly identified and resolved through ongoing communication and collaboration.
Process 20	24.01.001	Risk	Moderate	Low	ineffective project status meetings and reports can lead to delayed decision-making, lack of accountability, and reduced morale.		Weekly status reports are provided with a dashboard of the project status, high level schedule, late tasks, tasks planned this week, open tasks, 30-day look ahead, deliverable status, risks log, key decisions, change requests, and other project information. Despite numerous data points, the weekly project status reports may not give a complete picture of the project's progress. To get a better understanding of any delays, risks, issues, or action items, additional research and analysis of past reports, review of the Microsoft Project Schedule, and inquiry with project members is madescass. For example, late project deliverables may be listed as simply in progress'; however, one is unable to determine how many additional research.	project status report and providing topics for weekly project meetings. • Contribute to the improvement of project meetings and reports that actively engage team members and highlight key information relevant to		2024/05/20. Risk closed. As system sesting started in June, the team started adding a Weekly Tex Report. The report outlines the testin cope, the defects that were retested and validated, and gives a summary of the progress of all text cases. 1/82 V will continue to assess the effectiveness of project status reports and meetings. 2024/05/31: Accely decreased the severity rating from Level 2 (Moderate) to Level 3 (Low). The CSEA PM presented some of the project's key success metrics at the May Steering Committee Meeting. High-level pre-delivery testing metrics were provided in May. 2024/04/30. Accutly closed two recommendations. Project status reports continue to be refined and now clearly report tasks that have been rescheduled from the previous week's reporting period. CSEA did not start reporting on success metrics in Agril as planned. 2024/04/31: Although improvements were made to project status reports, they could be further improved by outlining delayed tasks and upcoming architish reports which will begin next month. 2024/05/21: Although improvements were made to project status reports, they could be further improved by outlining delayed tasks and upcoming architish reports and the status reports to the refine success metrics to prepare for reporting which will begin next month. 2024/05/278. An experimental continued to refine success metrics to prepare for reporting which will begin next month. 2024/05/278. An experimental continued to refine success metrics to prepare for reporting which will begin next month.		Text reports were added to the weekly status meetings. The report contains testing and diefect metrics.
Technology 20:	23.12.001	Positive	Moderate	N/A	The Automated Application Assessment process was well planned and executed.		Protech's partner, Advanced, worked closely with CSEA's technical SMEs and outlined a clear, well-defined process to collect and assess the KEIK 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.	N/A	Closed	N/A	2024/01/31	Closed as this is a positive observation.

ASSESSMENT	OBSERVATION		ORIGINAL	CURRENT		INDUSTRY STANDARDS AND BEST						
ASSESSMENT AREA Technology	7 OBSERVATION 2023.11.001	TYPE	ORIGINAL SEVERTY Moderate	CURRENT WESTERN MODERATE	OBSERVATION Compilee 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	PRACTICES	AMAYSS 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 ingration requirements. The project lacks a formalized process for non-code tasks in the data system requirements collection, migration, and validation activities. The project lacks a formalized process for application code migration but lacks a clear process for gathering non-code and ancillary elements including hardware, software, interfaces, and bath 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.		STATUS Closed	STATUS UPDATE 2024/01/31: Risk closed as the inventory of non-code and ancillary elements including hardware, software, interfaces, and batch files was completed and will be validated as part of the technical architecture and system requirements documentation. 12/21/32: CSA appointed two dedicated Data System Migration Leads. It is unclear if Protech also appointed a dedicated lead. A clear rain is still missing, and CSA documented a formal issue related to the lack of information coordination and redundant requests related to the data system migration requirements. 2023/12/31: 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.	CIOSED DATE 2024/01/31	CLOSURE REASON Risk closed as the inventory of non-code and ancillary elements was completed.
People	2023.10.001	Positive	N/A	N/A	The project team members are engaged and the environment between Protech and CSEA is collaborative.	PMI Project Management Body of Knowledge (PMBOK) Chapter 2.2 and PMI The Standard for Project Management (SPM) Chapter 3.2 state the importance and benefits of creating a collaborative 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 learn members combined with the dedication and high level of engagement from CSEA SMEs support the positive project team environment.	N/A	Closed	N/A	2023/11/30	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	4	Key risks: The term "departure" should be replaced with "temporary leave of absence," as the CSEA PM has not departed the project.	CSEA	CSEA has confirmed the CSEA Project Manager's status as a temporary leave of absence, and the report has been updated accordingly.
2	6	The target go-live date is incorrect, and is the proposed adjusted date which is pending confirmation by Protech.	CSEA	The report was restated regarding the target go-live date status.
3	6	Project Schedule: The term "departure" should be replaced with "temporary leave of absence," as the CSEA PM has not departed the project.	CSEA	CSEA has confirmed the CSEA Project Manager's status as a temporary leave of absence, and the report has been updated accordingly.
4	8	Under Approach, the statement that CSEA is limiting Protech's effectiveness in its effort to close defects and tuning is unwarranted. Protech continues to work on these areas regardless of CSEA approval.	CSEA	The subject in the statement refers to the lack of a formalized schedule that should be proposed by Protech and approved by CSEA. IV&V has reworded the statement for clarity.
5	11	Observation: The CSEA PM has not exited the project but is on a temporary leave of absence.	CSEA	CSEA has confirmed the CSEA Project Manager's status as a temporary leave of absence, and the report has been updated accordingly.
6	18	2024.12.003 is being followed by all parties so this observation can be closed.	CSEA	The May weekly status reports confirm that non-critical tasks continued to be documented without formal updates or defined timelines for resolution. These examples support the original assessment in Observation 2024.12.003 that these tasks remain open and unaligned with critical path management. As of the May 28 reporting period, this status remains unchanged. The key action is to establish and report resolution timelines and closure updates for non-critical downstream gating tasks.



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