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

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

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

March 4, 2025

The Honorable Ronald D. Kouchi President of the Senate and Members of the Senate Thirty-Third State Legislature State Capitol, Room 409 Honolulu, Hawaii 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, House 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 ten days of receiving the report, please find attached the report the Office of Enterprise Technology Services received for the State of Hawai'i, Department of Human Services, Systems Modernization Project.

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

Sincerely,

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

Attachments (2)



Hawaii Department of Human Services Systems Modernization Project

Final IV&V Status Report for Reporting Period: January 1 – 31, 2025

Submitted: February 14, 2025



Overview

- Executive Summary
- IV&V Findings and Recommendations
- IV&V Engagement Status
- Appendices
 - A IV&V Criticality Ratings
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Executive Summary



In January, the ASI published and conducted stakeholder reviews of the revised Draft Project Schedule. The schedule continues to be built with high-level activities and tasks that add 18 months to the previously approved schedule. The addition of time to the schedule has an immediate impact on the IV&V findings – specifically, three IV&V Findings and two IV&V Preliminary Concerns were retired. The ASI plans to continue the stakeholder reviews with the goal of finalizing the schedule in February 2025. DHS agreed to change the Software Development Life Cycle (SDLC) from an Agile to Waterfall Methodology. This change may have positive or negative impacts on the project. Waterfall provides a very structured approach to developing a new system whereas Agile allows the project team to 'adjust the design' as it is being developed. DHS will formally approve designs before the ASI starts Development with any subsequent design changes requiring a change order, which may involve additional DHS funds to develop that functionality. Clear communication with the project team will be necessary to avoid unnecessary change requests.

In the Project Reset Kick-off meeting on January 23, 2025, the ASI published a list of process improvements they plan to implement to reduce the risk of future schedule delays. Some examples include onboarding subject matter experts (SMEs) in release management, data conversion, functional development, testing, and solution architecture, creating new technical review boards, and adding quality checks and software to the testing process. The ASI stated they would provide the details of the process improvements at the first Project Status Meeting in February. All these actions represent positive steps. After publication, the project team will verify the changes are included in the revised schedule, ensuring adequate time for thorough and precise reviews, designs, and development activities.

As the project team completes the initial re-start planning activities and implements the process improvements, it will be critical for the team to communicate and execute the plan and schedule while adjusting to achieve the planned outcomes of a quality BES solution. DHS and the ASI have never waivered in their support of this project and demonstrate this once again as the project moves forward with the restart.

Nov	Dec	Jan	Category	IV&V Observations
H	Н	Н	Project Management	The ASI delivered a draft schedule for DHS and Stakeholder review. The revised schedule adds 18 months, with a Pilot Go-Live planned for 07/13/2026 and is intended to mitigate project risks by allowing the project team more time to complete the work.

Executive Summary



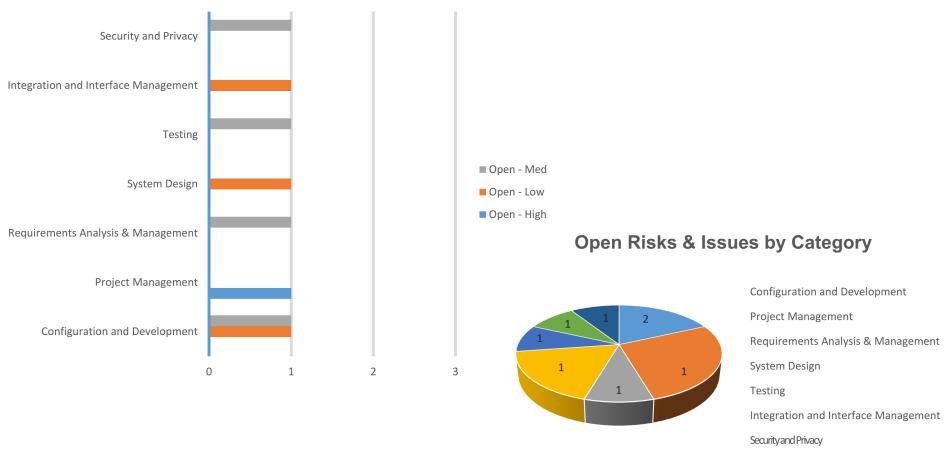
Nov	Dec	Jan	Category	IV&V Observations	
	(-	(-	System Design	The ASI held 18 JAD sessions in this reporting period, with increased collaboration leading to DHS program and policy SMEs feeling confident in the resulting initial designs (per the DHS PMO). Additionally, with the change to Waterfall SDLC, design session participants have been informed that once designs have been finalized and approved it will require a change request (likely for cost) to modify the designs.	
M	M	M	Configuration and Development	The ASI plans to enhance development quality and efficiency by addressing issues like development quality, testing quality, and technical debt. Their strategies include switching from Agile to Waterfall methodologies, improving development discipline, increasing testing comprehensiveness, and onboarding more subject matter experts. The ASI and DHS agreed to perform interface technical testing as partner resources become available, during either SIT or UAT, providing validation that all interfaces will be ready for pilot.	
L	L		Integration and Interface Management		
Н	Н	M	Testing	IV&V is awaiting the RCA report and details on the shift from Agile to Waterfall methodologies to understand the testing process implications, with some initial process improvements already started by ASI to improve unit testing.	
Н	Н	M	Security and Privacy	ASI has rewritten most SSP responses to meet NIST 800-53 requirements and developed new security policies for BES. The Security Plan of Action and Milestones (POAM) has 190 open Critical and High-finding, with 82 from Tenable Nessus Configuration scans needing immediate attention.	
M	M	M	Requirements Analysis & Management	The ASI is mitigating issues found with requirements in Jira and shared the next steps to resolve them at the last CCB meeting on 1/21/2025. The ASI plans to review a draft set of Requirements Traceability Matrix (RTM) reports at the next CCB meeting on 2/5/2025.	





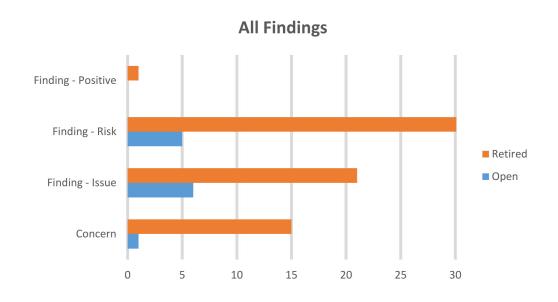
As of the January 2025 reporting period, PCG is tracking 8 open findings (4 risks, 4 issues) and has retired a total of 81 findings. Of the 8 open findings, 1 is High, 4 are Medium, and 3 are Low.

Open Risks & Issues





The following figure provides a breakdown of the 88 IV&V findings (positive, risks, issues, concerns) by status (open, retired).





Findings Opened During the Reporting Period

#	Finding	Category
	None	



Findings Retired During the Reporting Period

#	Finding	Category
86	Issue - Limited collaboration between the ASI and DHS in the design process could lead to BES usability issues and functionality gaps in the applications, not meeting critical business needs for DHS and State clients. IV&V observed an improved level of collaboration in the JAD sessions held this month, with a more balanced level of participation from both ASI and DHS. With one recommendation being closed due to correlation with Agile SDLC (which will no longer be followed) and the other open recommendation being met, IV&V is retiring this finding.	System Design
89	Issue—The current mitigation approach to completing the development of the remaining Epics is condensed and aggressive, which may increase the likelihood of schedule delays, quality issues, and a higher volume of testing defects. At the end of the month, the ASI was working with all stakeholders to finalize and baseline a new project schedule, which will add approximately 18 months to the last approved schedule. The proposed new schedule, which will adhere to a Waterfall SDLC and more rigid sequencing of work (for example, all design completed and signed off before development begins and no changes to designs without a change order), will mitigate the focus of this risk (overlapping development, testing cycles); therefore, IV&V is retiring this finding.	Project Management
88	Risk – Implementing a Core Solution for go-live carries inherent risks that may impact overall Project success and reduce user adoption. With the scope of the Pilot and Statewide implementations now planned to include all contract requirements for a fully functional BES solution, not a Minimum Viable Product (MVP), IV&V is retiring this finding as it is no longer a current risk to the BES project.	Project Management



Preliminary Concerns Investigated and Retired During the Reporting Period

#	Finding	Category
98	Delays in providing the required deliverables to FNS could extend the review time needed and delay FNS's concurrence to start the pilot. At the end of the month, the ASI was working with all stakeholders to finalize and baseline a new project schedule, which will add approximately 18 months to the last approved schedule. With this added time, IV&V is retiring this preliminary concern since additional time was added to the draft schedule with plans to provide DHS and FNS time to review the required project	Project Management
103	The inconsistent Data Conversion status reporting and potential impact of several new Change Requests to Data Conversion may create a risk to the BES Project causing schedule and/or budget challenges. Due to progress made by ASI regarding data conversion specific to this finding, which has included 1) providing a clear plan for resolving balancing report with stakeholders 2) providing consistent reporting of status for remaining mapping work 3) introducing a comprehensive status page for all data conversion work in the project status meeting on 1/29/2025, IV&V is retiring this preliminary concern.	Data Management and Conversion



Project Management

#	Key Findings	Criticality Rating
	Issue – A BES Project schedule based on inaccurate estimations diminishes effective planning and resource management, which could result in late deliverables, cost increases, and a late go-live.	
74	At the end of the month, the ASI was working with all stakeholders to finalize and baseline a new project schedule. The Draft Schedule published by the ASI includes 18 additional months to complete the project. Once the schedule is finalized, IV&V will monitor the stability of the schedule - looking for any recurrence of task completion being delayed as observed in prior schedules (potentially putting critical project milestones at risk if significant delays). One key aspect of the revised schedule is the identification of the tasks to implement the actions from the Root Cause Analysis to minimize the risk of another future schedule delay. The ASI did publish a high-level report on the Root Cause Analysis. However, it was not clear how these changes were planned in the revised schedule.	Н

Recommendations	Progress
 Monitor, evaluate and revise scheduling estimates for accuracy based on the project teams past performance and resources available to do the remaining work. 	In Process
 Any work required to address findings from Root Cause Analysis should be included in the revised schedule to validate completion for DHS. 	In Process
 Elaborate the schedule to include the detailed work and tasks required behind milestones, allowing better tracking and visibility of possible issues and delays at the task level. 	New



System Design

;	#	Key Findings	Criticality Rating
7	' 3	Risk – The planned BES infrastructure is complex which could be difficult to implement and maintain and could lead to schedule/cost impacts. No material update for this reporting period.	L

	Recommendations	Progress
	ASI develop a process to closely monitor cloud and other product changes (software updates/new releases), manage changes, and regression test once updates are applied.	In Process
	The project team work to establish strong governance over the utilization and maintenance of various tools/components.	In Process
	ASI allot time in the schedule to conduct proof of concepts to assure infrastructure components work as expected.	In Process
•	ASI maintain a detailed schedule for DevOps implementation tasks to avoid unexpected delays that could delay project milestones and the critical path.	In Process



Configuration and Development

#	Key Findings	Criticality Rating
70	Risk – Insufficient configuration management could lead to development confusion and reduce the effectiveness of defect resolution. No material update for this reporting period.	L

Recommendations	Progress
 ASI adhere to plans for configuration management as documented in BI-6 DDI Plan, Section 5.2 and clarify details and/or any changes with DHS. 	In Process
 ASI validate plans for configuration management with DHS and agree on a meaningful set of configuration items or settings they will track. 	In Process



Configuration and Development

#	Key Findings	Criticality Rating
80	Issue – Development delays have negatively impacted the project schedule and delayed go-live. The ASI conducted a project restart kickoff on 1/23/2025 where they intend to implement several development (and other) process improvements to increase the quality and efficiency of development. Key issues they intend to address include development quality, testing quality, and accumulated technical debt. Mitigation strategies include implementing switching development methodologies from agile to waterfall, improving development discipline and structure, increasing the comprehensiveness of testing, and bolstering their domain knowledge by onboarding additional subject matter experts.	M

Recommendations	Progress
 ASI effectively track and regularly provide DHS (potentially via the weekly DDI status meeting) with an accurate velocity (e.g., story points per day/week/month) and assure that the current velocity is accurately and consistently reflected in the project schedule. 	In Process
The ASI should provide DHS with the time needed to effectively evaluate the software demonstrations (demos) and elicit productive design discussions with DHS attendees during each demo.	In Process
 ASI regularly reports estimated story points for the total remaining project work to reach go-live and presents a dynamic burn-down chart to track the progress. 	In Process
The ASI should consider enhancing the depth of developer unit testing.	Completed



Integration and Interface Management

#	Key Findings	Criticality Rating
93	Risk – Due to the lack of physical and technical (Transport Layer) testing of the interfaces and data transfer failure, conditions may exist with data format, boundaries, and dependencies. These failures may result in intermittent and hard-to-isolate problems or errors. Interface technical testing will occur during SIT and UAT, depending on the interface partner's resource availability. Interfaces requiring technical testing during this project phase are EDRS, HYCF, DOH, DPS, PARIS, BEER, IRS, IVR, HANA, DoTax, FNS, ACF, ECF, and EDM. IV&V will continue to monitor them.	L

Recommendations	Progress
API interfaces should be tested for failure conditions during connection and transfer operations.	In Process
FTP and file interfaces should be tested for data and file integrity.	In Process
 Test data fields for system impacts resulting from data that is poorly formatted, out of range, or other unexpected data transmission errors. 	In Process



Testing

#	Key Findings	Criticality Rating
	Issue – Gaps in test coverage and slower-than-expected progress in testing may result in schedule delays if subsequent test phases uncover a higher volume of defects and user feedback than initially anticipated.	
83	As of January 27, 2025, there are 131 defects ready to be retested from the previous UAT. According to the revised schedule shared by ASI, the next UAT is scheduled to start in mid-January 2026. The priority of this finding has been downgraded from High to Medium. IV&V is still waiting for the Root cause analysis (RCA) report and details of the methodology shift from Agile to Waterfall to fully comprehend the implications for the testing process.	M

Recommendations	Progress
 DHS and ASI revisit the testing approach to prioritize completion of remaining test activities and conduct comprehensive System Integration testing (SIT) to minimize defect leakage to User Acceptance Testing (UAT). 	In Progress
 ASI assesses the potential impact of the large number of unresolved defects on future development efforts, ensuring a more robust and efficient development process. 	In Progress
 ASI develop and implement a revised testing approach to improve the completeness and thoroughness of future testing cycles. 	In Progress



Security and Privacy

#	Key Findings	Criticality Rating
	Issue – The lack of technical documentation may lead to incorrect implementation statements or delay the System Security Plan (SSP). The ASI has rewritten most of the System Security Plan (SSP) responses to meet the requirements of NIST 800-53. They also have worked on writing new security policies for BES. Of the 19 policies to be written at the BES Division level, 6 have been turned over to DHS for review and approval, and 7 have	
82	been written and go through internal review before submission to DHS. DHS is determining the process to review and approve division-level policies. BES currently has 190 open Critical and High-finding POAMs; 82 are from Tenable Nessus Configuration scans. The 82 critical and high Nessus Configuration findings should be prioritized, reviewed, or implemented immediately. Once the remediations from the configuration scans are implemented, the system may break down and require additional development to run in a more secure environment. Due to the current progress and the schedule sent for review in mid-January, there is significantly more time to complete the remaining task. Therefore, this issue has been lowered to a medium finding.	M

Recommendations	Progress
 Collaborate and communicate with SSP authors about when reliable and correct documentation will be available. 	In Process
 Include the Secure Enclave within the work breakdown structure along with the known tasks related to the IRS Assessment to continue receiving FTI in BES. 	Not Started



Requirements Analysis & Management

	#	Key Findings	Criticality Rating
94		Risk - The lack of an effective way to validate BES requirements could lead to project delays and unfulfilled user needs if DHS later identifies unmet contractual requirements.	
	94	At the CCB meeting on 1/21/2025, the ASI shared their progress on addressing issues with the functional requirements in Jira. This effort is a pre-requisite to providing a comprehensive and accurate set of Requirements Traceability Matrix (RTM) reports. The ASI plans to review the current RTM reports at the next CCB meeting on 2/5/2025, which may provide DHS with clarity on requirements coverage per the current BES contract.	M

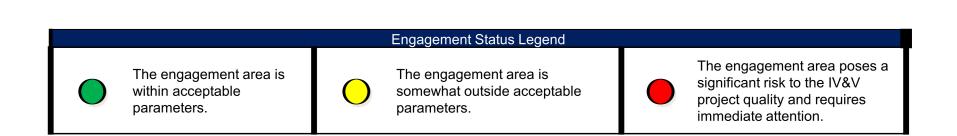
Recommendations	Progress
 Develop a document that provides DHS with a feasible and effective way to map contract requirements to passed test cases, and, per the BI-19 (Complete and Final Test Plan),"Maps the implementation, functional and technical requirements to the test cases and test scripts". 	In Process
Ensure test scripts thoroughly and comprehensively test the system to assure each requirement has been fully met.	In Process



IV&V Engagement Status



IV&V Engagement Area	Nov	Dec	Jan	Comments
IV&V Budget				
IV&V Schedule				
IV&V Deliverables				PCG submitted the final December IV&V Monthly Status Report.
IV&V Staffing				
IV&V Scope				



IV&V Activities



- IV&V activities in the January reporting period:
 - Completed December Monthly Status Report
 - Ongoing Review the BES Project Artifacts and Deliverables
 - Ongoing Attend BES Project meetings, (see <u>Additional Inputs</u> pages for details)
 - Ongoing Review available ASI contracts and contract amendment documentation
- Planned IV&V activities for the February reporting period:
 - Ongoing Observe BES Design and Development sessions as scheduled
 - Ongoing Observe Bi-Weekly Project Status meetings
 - Ongoing Observe Weekly M&O Project Status meetings
 - Ongoing Observe Weekly Architecture meetings
 - Ongoing Observe Weekly Security meetings
 - Ongoing Monthly IV&V findings meetings with the ASI
 - Ongoing Monthly IV&V Draft Report Review with DHS, ETS and ASI
 - Ongoing Participate in Bi-Weekly DHS and IV&V Touch Base meetings
 - Ongoing Review BES artifacts and deliverables





Deliverable Name	Deliverable Date	Version
BI-05 Project Schedule	1/10/2025	N/A
CF55a Manage BES-SSP Application TDA – Case Management Module	1/24/2025	V0.2

Additional Inputs – Artifacts



Artifact Name	Artifact Date	Version
BES 2023 Design Kanban board	N/A	N/A
FNS Handbook 901	01/2020	V2.4
NIST Special Publication 800-53 Security and Privacy Controls for Information Systems and Organizations	12/20/2020	Rev.5
SNAP_System_Integrity_Review_Tool	Sept 2022	N/A
Interface Dashboard – Confluence page	N/A	N/A
BES 2023 Implementation Planning – Confluence page	N/A	N/A
R0.12 Epic Assignment	N/A	N/A
R0.12 Epic and Sprint Demo Recordings	N/A	N/A
ADA dashboard	N/A	N/A
Jira Requirements Details	N/A	N/A
Jira Testing Lists	N/A	N/A
UAT Testing Dashboard	N/A	N/A
Waterfall Methodology Plan	N/A	N/A

Additional Inputs



Meetings and/or Sessions Attended/Observed:

- IV&V Team Meeting 1/6/2025, 1/9/2025, 1/13/2025, 1/26/2025, 1/21/2025, 1/23/2025, 1/27/2025, 1/30/2025
- 2. IV&V/ASI December Pre-draft Review 1/14/2025
- 3. HI DHS BES December Draft IV&V Report Review 1/8/2025
- 4. Bi-Weekly DHS BES PMO/IV&V Check-in 1/2/2025, 1/16/2025, 1/30/2025
- 5. Bi-Weekly DHS and IV&V Touch Base 1/7/2025, 1/21/2025
- 6. Weekly BES Infrastructure meeting 1/10/2025, 1/17/2025, 1/24/2025, 1/31/2025
- 7. Weekly Client BES 2023 Project Status Meeting 1/8/2025, 1/15/2025, 1/22/2025,1/29/2025
- 8. Security Touchpoint 1/8/2025, 1/15/2025, 1/22/2025, 1/29/2025
- 9. (External) Bi-Weekly Client BES Implementation Schedule Review Meeting 1/29/2025
- 10. (Externa(I) Weekly Interfaces Touchpoint 1/8/2025, 1/13/2025, 1/27/2025
- 11. (External) Bi-weekly BES CCB Meeting 1/8/2025, 1/22/2025
- 12. (External) Readiness Working Group Meeting 1/28/2025
- 13. eWorld/IV&V Mid-Month Check-in 1/17/2025
- 14. (External) BES Snow Touchpoint 1/22/2025
- 15. (External) Pre-Design CR2024-017 Correspondence Enhancements 1/6/2025
- 16. IV&V and DHS PMO Review Findings for December 2/6/2025
- 17. (External) Pre-Design CR2024-017 Correspondence Enhancements 2/6/2025
- 18. (External) CR2024-024 Interview Enhancement Pre-design JAD meeting UAT-3105 1/7/2025
- 19. (External) JAD Day 2 CR2024-019 Display Deleted Records 1/8/2025
- 20. (External) JAD Day 2 CR2024-024 Interview Enhancements 1/8/2025
- 21. (External) JAD Day 1 CR2024-020 Eligibility Enhancements 1/9/2025
- 22. (External) JAD Day 1 CR2024-021 Inquiry Enhancements 1/9/2025
- 23. (External) JAD Day 2 CR2024-017 Correspondence Enhancements 1/10/2025
- 24. (External) JAD Day 3 CR2024-024 Interview Enhancements 1/10/2025
- 25. (External) JAD Day 3 CR2024-019 Display Deleted Records 1/13/2025
- 26. (External) JAD Day 2 CR2024-020 Eligibility Enhancements 1/13/2025
- 27. (External) JAD Day 1 CR2024-025 Other Enhancements 1/17/2025

Additional Inputs (Continued)



Meetings and/or Sessions Attended/Observed:

- 28. (External) JAD Day 3 CR2024-014 HARI Notices Conversion 1/21/2025
- 29. (External) JAD Day 2 CR2024-025 Other Enhancements 1/21/2025
- 30. (External) JAD Day 3 CR2024-017 Correspondence Enhancements 1/23/2025
- 31. (External) BES Implementation Reset Kickoff Workshop/Meeting 1/23/2025
- 32. (External) JAD Day 2 CR2024-016 Application Enhancements 1/24/2025
- 33. (External) JAD Day 4 CR2024-017 Correspondence Enhancements 1/24/2025
- 34. (External) BI-05 Project Schedule Response Review Meeting 1/27/2025
- 35. (External) BES Batch Job Schedule Review 1/30/2025
- 36. (External) JAD Day 3 CR2024-025 Other Enhancements 1/30/2025
- 37. (External) JAD Day 5 CR2024-017 Correspondence Enhancements 1/31/2025
- 38. (External) BI-05 Project Schedule Response Review Meeting cont'd 1/31/2025





Appendix A – IV&V Criticality Ratings

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

Appendix B – Findings Log



• The complete Findings Log for the BES Project is provided in a separate file.

Appendix C – Acronyms and Glossary



Acronym	Definition
APD	Advance Planning Document
ASI	Application System Integrator
BES	Benefits Eligibility Solution
CCWIS	Comprehensive Child Welfare Information System
CM	Configuration Management
CMMI	Capability Maturity Model Integration
CMS	Center for Medicare and Medicaid Services
CR	Change Request
DDI	Design, Development and Implementation
DED	Deliverable Expectation Document
DHS	Hawaii Department of Human Services
DLV	Deliverable
E&E	Eligibility and Enrollment
EA	Enterprise Architecture
ECM	Enterprise Content Management (FileNet and DataCap)
ESI	Enterprise System Integrator (Platform Vendor)
ETS	State of Hawaii Office of Enterprise Technology Services
FIPS	Federal Information Processing Standard
HIPAA	Health Information Portability and Accountability Act of 1996
IDM	Identity and Access Management (from KOLEA to State Hub)
IEEE	Institute of Electrical and Electronics Engineers
IES	Integrated Eligibility Solution
ITIL	Information Technology Infrastructure Library



Appendix C – Acronyms and Glossary

Acronym	Definition
IV&V	Independent Verification and Validation
KOLEA	Kauhale On-Line Eligibility Assistance
M&O	Maintenance & Operations
MEELC	Medicaid Eligibility and Enrollment Life Cycle
MEET	Medicaid Eligibility and Enrollment Toolkit
MOU	Memorandum of Understanding
MQD	Hawaii Department of Human Services MedQuest Division
NIST	National Institute of Standards and Technology
OE	Operating Environment
OIT	Department of Human Services Office of Information Technology
PIP	Performance/Process Improvement Plan
PMBOK®	Project Management Body of Knowledge
PMI	Project Management Institute
PMO	Project/Program Management Office
PMP	Project Management Plan
QA	Quality Assurance
QM	Quality Management
RFP	Request for Proposal
ROM	Rough Order of Magnitude
RMP	Requirements Management Plan
RTM	Requirements Traceability Matrix
SEI	Software Engineering Institute
SLA	Service-Level Agreement
SME	Subject Matter Expert



Appendix C – Acronyms and Glossary

Acronym	Definition
SOA	Service Oriented Architecture
SOW	Statement of Work, Scope of Work
VVP	Software Verification and Validation Plan
XLC	Expedited Life Cycle

Appendix D – Background Information



Systems Modernization Project

The DHS Enterprise Program Roadmap includes contracting with three separate vendors with the following high-level scope:

- ESI or Platform Vendor responsible for the shared technology and services required for multiple Application vendors to implement and support functionality that leverages the DHS Enterprise Platform.
- ASI or ASI Vendor responsible for the DDI of the Benefits Eligibility Solution (BES Project) enhancing the currently implemented Medicaid E&E Solution (KOLEA) and providing support for the combined Solutions.
- CCWIS Vendor responsible for the DDI of the CCWIS Solution to meet the needs of child welfare services and adult protective services (CCWIS Project) and providing support for the Solution.

Systems Modernization IV&V Project

IV&V performs objective assessments of the design, development/configuration and implementation (DDI) of DHS' System Modernization Projects. DHS has identified three high-risk areas where IV&V services are required:

- Transition of M&O from DHS' incumbent vendor to the ESI and ASI vendors
- BES DDI
- CCWIS DDI

On the BES DDI Project, IV&V is responsible for:

- Evaluating efforts performed by the Project (processes, methods, activities) for consistency with federal requirements and industry best practices and standards
- Reviewing or validating the work effort performed and deliverables produced by the ASI vendor as well as that of DHS to ensure alignment with project requirements
- Anticipating project risks, monitoring project issues and risks, and recommending potential risk mitigation strategies
 and issue resolutions throughout the Project's life cycle
- Developing and providing independent project oversight reports to DHS, ASI vendors, State of Hawaii Office of Enterprise Technology Services (ETS) and DHS' Federal partners





What is Independent Verification and Validation (IV&V)?

- Oversight by an independent third party that assesses the Project against industry standards to provide an unbiased view to stakeholders
- The goal of IV&V is to help the State get the solution they want based on requirements and have it built according to best practices
- IV&V helps improve design visibility and traceability and identifies (potential) problems early
- IV&V objectively identifies risks and communicates to project leadership for risk management

PCG's Eclipse IV&V® Technical Assessment Methodology

- Consists of a 4-part process made up of the following areas:
 - 1. **Discovery** Discovery consists of reviewing documentation, work products and deliverables, interviewing project team members, and determining applicable standards, best practices and tools.
 - 2. Research and Analysis Research and analysis is conducted in order to form an objective opinion.
 - **3.** Clarification Clarification from project team members is sought to ensure agreement and concurrence of facts between the State, the Vendor, and PCG.
 - 4. Delivery of Findings Findings, observations, and risk assessments are documented in this monthly report and the accompanying Findings and Recommendations log. These documents are then shared with project leadership on both the State and Vendor side for them to consider and take appropriate action on.

IV&V Assessment Categories for the BES Project

- Project Management
- Requirements Analysis & Management
- System Design
- · Configuration and Development
- Integration and Interface Management
- Data Management and Conversion

- Security and Privacy
- Testing
- OCM and Knowledge Transfer
- Pilot Test Deployment
- Deployment

Ending Slide



Solutions that Matter

ID Title Reporter Type	Identified Date Category	Observation	Significance	Recommendation	Event Horizon Impact Bro	Analy: bability Prioris	t Finding	Status Undate Client Comments	_Vender Comments
94 The lack of an effective way to validate BES Morrill, Scott Finding -	4/25/2024 Requirements	The Requirements Traceability Matrix (RTM) (BI-21) plays a vital role in	It is unclear to DHS and IVV how the ASI will trace requirement coverage for	IN PROGRESS • Develop a document that provides DHS with a feasible and	5/10/2024 3	3 Med	Open	1/31/2025 - At the CCB meeting on 1/21/2025, the ASI shared their	9/9/2024
requirements could lead to project delays Risk and unfulfilled user needs if DHS later	Analysis & Management	ensuring the system's compliance with contractual commitments by associating each requirement with passed test case(s). However, the	SIT completion. DHS may be unable to make an informed decision on SIT exi criteria. This could lead to DHS starting Final Acceptance Testing (FAT) and	t effective way to map contract requirements to passed test cases, and, per the BI-19 (Complete and Final Test Plan), "Maps the implementation,				progress on addressing issues with the functional requirements in Jira. This effort is a pre-requisite to providing a comprehensive and accurate set of	9/9/2024 Include information on
identifies unmet contractual requirements.		approved project schedule shows the RTM completed on 6/26/24, which	then realizing that not all requirements have been fully met, resulting in	functional and technical requirements to the test cases and test scripts". •				Requirements Traceability Matrix (RTM) reports. The ASI plans to review the	interim version
		falls after the Core SIT exit decision on 5/10/24. The ASI provided the BI-22a System Integrity Review Tool (SIRT) to DHS on April 26, 2024, but withdrew	delays.	Ensure test scripts thoroughly and comprehensively test the system to assure each requirement has been fully met.				current RTM reports at the next CCB meeting on 2/5/2025, which may provide DHS with clarity on requirements coverage per the current BES	provided prior to FAT.
		the deliverable due to DHS concerns. This BI-22a deliverable may help DHS						contract. 12/31/2024 - The ASI hosted a meeting to review usage of the	
		validate requirements.						RTM, but all attendees agreed more work was needed to provide a usable report for both the ASI and DHS to validate requirement coverage. The ASI	7/12/2024
								plans to share a revised RTM at the next CCB meeting. 11/30/2024 - Both	I'm not sure if this is
								DHS and IVV share the same concern that the current set of RTM reports	worth noting but
								does not provide the functionality needed to validate that contractual requirements have been developed and tested in the current BES solution.	eWorldES did deliver an "Interim" BI-21
								IVV reached out to the ASI requesting a demonstration of how the RTM	RTM to satisfy the
								validates that contractual requirements have been met. A meeting is scheduled for December 5th with DHS, the ASI, and IVV. 10/31/2024 - This	requirement criteria for entering into BES
								finding will be reevaluated by the IVV team after the project team completes	1.0 FAT.
								the replanning and determines the approach, requirements/functionality,	
								and schedule for the Pilot and Statewide rollout. 09/30/2024 -The ASI did demonstrate some progress in providing a set of RTM reports that match	06/14/2024
								the approved Deliverable Expectations Document (DED). However, DHS still	
								did not receive a comprehensive report to confirm all expected contractual requirements for approved Epics have been developed and tested	The BI-21 RTM deliverable has been
								successfully. With more scope being added as part of new project direction,	reviewed and
								it continues to be critical that DHS is provided an RTM to confirm requirements are met. 08/31/2024 - As of the end of the reporting period.	discussed multiple times at the bi-weekly
								the ASI had not provided the comprehensive Requirements Traceability	CCB meeting. Draft
								Matrix for BES 1.0 based on the Deliverable Expectation Document (DED).	reports of the BI-21
93 Due to the lack of physical and technical Reynolds, Finding - testing of the interfaces and data transfer Mark Evan Risk	4/29/2024 Integration and Interface	Aside from the functional testing accomplished during epic testing, specific data flow testing is usually part of an interface definition.	This testing is essential before initial deployment to prevent unexpected and difficult-to-resolve issues, such as scrambled or missing data – or the system	In Process 1. API interfaces should be tested for failure conditions during connection and transfer operations, 3. FTP and file interfaces should be	2024 2nd Qtr 3	2 Low	Open	1/30/2025—Interface technical testing will occur during SIT and UAT, depending on the interface partner's resource availability. Interfaces	06/14/2024
failure, conditions may exist with data	Management	and the second s	may have a fault or exception. Since the Project has not established and	tested for data and file integrity. 4. Test data fields for system impacts				requiring technical testing during this project phase are EDRS, HYCF, DOH,	
format, boundaries, and dependencies. These failures may result in intermittent and			tested the fault scenarios, we do not know how the system may react.	resulting from data that is poorly formatted, out of range, or other unexpected data transmission errors. Removed 2. In/a. no transactional				DPS, PARIS, BEER, IRS, IVR, HANA, DOTax, FNS, ACF, ECF, and EDM, IVV will continue to monitor them. 12/31/2024 The initial set of testing was	As mentioned at the May pre-meet, a
hard-to-isolate problems or errors				interfaces therefore no race conditions] API interfaces should be tested for				successful. Test planning and execution for the other interfaces should be	technical Interface
				race conditions. 5. [redundant with #4] Interface records and files should be				integrated into the recast schedule discussions. Successful results, including	team plan does exist
				tested for format, length, or other physical formatting errors.				graceful rejection of invalid interface data (such as misnamed SFTP files or short fields/truncated files), are recommended prior to commencement of	to address PCG's recommendations for
								SIT testing. 10/31/2024 - This finding will be reevaluated by the IVV team	this finding.5/11/2024
								after the project team completes the replanning and determines the approach, requirements/functionality, and schedule for the Pilot and	
								Statewide rollout. 09/30/2024 - The 7 interfaces used in the planned Pilot	As mentioned at the
								release, BES1.0, have been completed. However, the other 12 releases required for the statewide release. BES1.1, will be required with the revised	pre-meet, a technical Interface team plan
								approach to merge. This finding is being kept open at a low priority until all	does exist to address
								19 interfaces are completed. 08/22/2024 - All tests except those related to	PCG's
								the Wells Fargo Lockbox interface have been completed. These seven tests require initiating a new service ticket with Wells Fargo. Tests are expected to	recommendations for this finding.
								be completed before the beginning of the Pilot phase, 05/28/2024 - The ASI	unz mang.
								has prepared the test scripts for the 12 interfaces included in the Pilot	
								release. This first round of test scripts reside in the Jira tool and are being executed to be complete by mid-July. The Office of Information Technology	
								(OIT) will be required to provide special case file alterations. 05/23/2024 -	
								The ASI and DHS continue to define the interface test approaches. Technical interface testing details, including the Transport Layer, are planned to be	
								discussed in June.	
83 Gaps in test coverage and slower-than- Kalsi, Neetu Finding - expected progress in testing may result in Issue	6/2/2023 Testing	After examining the Project's R11 QA Dashboards, R11 Traceability Dashboards, and Test Repository, gaps in testing coverage may exist and the	and cost-effective to address issues during the early testing stages. If there	OPEN - DHS and ASI revisit the testing approach to prioritize completion of remaining test activities and conduct comprehensive System Integration	UAT 4	4 Med	Open	1/29/2025- As of January 27, 2025, there are 131 defects ready to be retested from the previous UAT. According to the revised schedule shared	
schedule delays if subsequent test phases uncover a higher volume of defects and user		progress of testing might be lagging. Concerning testing coverage, it appears that not all epics and use cases in R11 have associated test cases or are	is slow progress or incomplete testing in the early stages, it can result in more defects leaking into subsequent testing phases, necessitating more	ASI assesses the potential impact of the large number of unresolved defects				by ASI, the next UAT is scheduled to start in mid-January 2026. The priority of this finding has been downgraded from High to Medium. IVV is still	
feedback than initially anticipated.		testing the correct use cases. In terms of progress, some test cases remain.	extensive and rigorous testing efforts. Insufficient testing coverage or slowe	on future development efforts, ensuring a more robust and efficient				waiting for the Root cause analysis (RCA) report and details of the	2/13/2025 Per
		unexecuted, and not all defects have been resolved as the project commences System Integration Testing (SIT). The ASI has plans to complete	than-anticipated progress throughout the project lifecycle increases the risk of encountering significant delays, extensions, or the introduction of defects	development process - ASI develop and implement a revised testing				methodology shift from Agile to Waterfall to fully comprehend the implications for the testing process. 12/27/2024- The ASI is testing UAT	Hemant (eW Test Lead): " there is no
		the INT exit criteria by June 16, 2023, about 2 weeks after SIT begins.	into the production environment during the final testing stage, known as	approach to improve the completeness and thoroughness of future testing cycles. CLOSED - The ASI should determine the root cause of the failure to				defects that have been resolved, in advance of any DHS testing. IVV awaits	change in the
		-	Final Acceptance Testing (FAT).	identify simple defects in INT and SIT and implement effective improvement				the RCA report and the details of the possible Design, Development, and	testing process for
				processes to confirm early testing is adequate before entering UAT/FAT (Closed 4/30/2024) - DHS and ASI monitor INT/SIT closely for both breadth				Implementation (DDI) change from Agile to Waterfall to understand the changes to the testing process that the ASI is proposing. 11/26/2024-The	R0.13 as far as waterfall methodology
				and depth of testing to ensure the system is adequately tested (Closed				recent UAT testing cycle ended, but did not complete, on November 15,	is concerned." We
				10/30/2024) - ASI utilize the two-week FAT testing pause to address and resolve outstanding SIT defects and apply the fixes in the FAT environment,				2024, with a total of 95 failed test cases in the real-time environment and	are notplanning to
				ensuring that these defects do not recur when FAT resumes, optimizing				137 failed test cases in the time travel environment. There was a total of 279 unresolved defects, which raised concerns about the overall stability	have any phased in functionalities with
				testing efficiency and reducing notential defect rediscovery. (Closed				and reliability of the system. The IVV team is concerned that introducing	RO.13.
				10/30/2024) NOT COMPLETED - The Project team reviews the SIT exit criteria and revises them as needed to ensure UAT/FAT begins with the best				new functionality on top of the current unstable system may lead to project delays or failure. While ASI has committed to resolving the outstanding	12/11/2024 Please revisit the first
				system possible. (3/31/2024) - DHS should request that the ASI develop a				defects, the IVV team has added a recommendation on the testing approach.	two recommendations
				Corrective Action Plan to address the failure of prior test phases (Unit, INT)				10/31/2024 – As of October 30, 2024, DHS testers identified a total of 1618 defects with 373 defects still unresolved, comprising 123 High Severity, 177	as these should reflect
				to capture defects that rolled into SIT (09/26/2024)				defects with 373 defects still unresolved, comprising 123 High Severity, 177 Medium Severity, and 73 low severity defects. The ASI resolved and moved	an "In Process" progress status.
								to UAT 175 defects during the two-week UAT testing pause. Despite this	11/13/2024
								progress, significant gaps remain. 20% (137/682) of real-time environment test cases and 49% (205/417) of time travel environment test cases are	DHS reviews and
								unresolved. This poses significant risks, potentially compromising system	approves all SIT tests
								reliability, performance, and quality. Unresolved defects and incomplete testing may lead to undiscovered issues. Impacting overall system integrity.	to ensure full coverage of functionality. The
82 The lack of technical documentation may Heath, Dustin Finding -	4/27/2023 Security and	In April, the ASI/DHS system security plan (SSP) authors began writing		NEW IV&V recommends prioritizing the 82 Critical and High finding POAMs		4 Med	Open	1/27/2025 - The ASI has rewritten most of the System Security Plan (SSP)	
lead to incorrect implementation statements Issue	Privacy	implementation statements. Currently, the technical documentation	authors may need to edit or rewrite implementation statements. A full draft	as a result of the Tenable Nessus Configuration scans. Implementing the				responses to meet the requirements of NIST 800-53. They also have worked	09/9/2024
or delay the System Security Plan		supporting the SSP is unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on	of the SSP is scheduled to be published August 15th, 2023, and the final SSP (ready for federal partner review) is scheduled for September 15, 2023. The	become unfunctional, and require additional development time to fix NOT	assessment.			on writing new security policies for BES. Of the 19 policies to be written at the BES Division level. 6 have been turned over to DHS for review and	SSA accepted DHS plan for training in Sept 9
		Implementation statements are currently being written from the perspective of how the system should be designed from the SSP author's perspective instead of how the system is actually designed. The SSP authors need to know and use documentation such as System Architecture and Design,	SSP is a large technical document with hundreds of controls and control	STARTED Include the Secure Enclave within the work breakdown structure				approval, and 7 have been written and go through internal review before	meeting, so this
								submission to DHS. DHS is determining the process to review and approve division-level policies. BES currently has 190 open Critical and High-finding	should be reflected in September report.
				about when reliable and correct documentation will be available.				POAMs; 82 are from Tenable Nessus Configuration scans. The 82 critical	Also, need to
				COMPLETE - Determine when the infrastructure design baseline will be				and high Nessus Configuration findings should be prioritized, reviewed, or	
		know and use documentation such as System Architecture and Design, network topology, dataflow, ports and protocols, tools used for logging, etc.							determine what
				completed. (06/30/2024) - Perform a full review of all draft SSP controls for				implemented immediately. Once the remediations from the configuration scans are implemented, the system may break down and require additional	resources will be used
				completed. (06/30/2024) - Perform a full review of all draft SSP controls for content and accuracy prior to the start of the Independent Security Controls Assessment of BES and submission of the SSP package to federal regulators.				scans are implemented, the system may break down and require additional development to run in a more secure environment. Due to the current	resources will be used and final process for addressing the missing
				completed. (06/30/2024) - Perform a full review of all draft SSP controls for content and accuracy prior to the start of the Independent Security Controls Assessment of BES and submission of the SSP package to federal regulators. This will allow the SSP authors to update controls with changes from Design				scans are implemented, the system may break down and require additional development to run in a more secure environment. Due to the current progress and the schedule sent for review in mid-January, there is	resources will be used and final process for addressing the missing documentation. Might
				completed. (06/30/2024) - Perform a full review of all draft SSP controls for content and accuracy prior to the start of the independent Security Controls Assessment of BES and submission of the SSP package to Gederal regulators. This will allow the SSP authors to update controls with changes from Design through implementation. (9/26/2024) - Begin monthly Plan of Action and Millestone update meetings between DHS Security and the AS Security.				scars are implemented, the system may break down and require additional development to rin in a more secure environment. Due to the current progress and the schedule sent for review in mid-Sanuary, there is significantly more time to complete the remaining task. Therefore, this issue has been lowered to a medium fining. 1/131/1/2074. The AS	resources will be used and final process for addressing the missing documentation. Might want to have a risk for gap in Security support
				completed. (06/30/2024) - Perform a full review of all draft SSP controls for content and accuracy prior to the start of the independent Security. Controls Assessment of BS and submission of the SSP package to federal regulators. This will allow the SSP authors to update controls with changes from Design through implementation. (9/26/2024) - Begin monthly flan of Action and Milestone update meetings between DHS Security and the ASS security teams to inform each other of proress and updates made against seath				scan are implemented, the system may break down and require additional development to mit in a more sectore environment. Due to the current progress and the schedules sent for review in mind-lanuary, there is significantly more time to complete the remaining tasts. The refore, this issue has been lowered to a medium finding. 12/31/2024. The ASI received the critical so might PoMAN related post particing of "Singing Boot".	resources will be used and final process for addressing the missing documentation. Might want to have a risk for gap in Security support from DHS since Jack
				completed. (06/30/2024) - Perform a full review of all draft SSP controls for content and accuracy prior to the start of the independent Security Controls Assessment of BES and submission of the SSP package to Gederal regulators. This will allow the SSP authors to update controls with changes from Design through implementation. (9/26/2024) - Begin monthly Plan of Action and Millestone update meetings between DHS Security and the AS Security.				scan are implemented, the system may break down and require additional development to not in a more secure environment. Due to the current progress and the schedules sent for review in mini-banuary, there is significantly more into terropiete the remining tast. Therefore, this supplicantly more time to complete the remining tast. Therefore, this supplicantly more into the complete the remining tast. Therefore, this resident the critical and high PMAM related to another of "Soring Bost". Additionally, its sentently policies were completed by the ASI and set to the SI and SI sort of the SI sor	resources will be used and final process for addressing the missing documentation. Might want to have a risk for gap in Security support
				completed. (06/30/2024) - Perform a full review of all draft SSP controls for content and accuracy prior to the start of the independent Security. Controls Assessment of BS and submission of the SSP package to federal regulators. This will allow the SSP authors to update controls with changes from Design through implementation. (9/26/2024) - Begin monthly flan of Action and Milestone update meetings between DHS Security and the ASS security teams to inform each other of proress and updates made against seath				scan are implemented, the system may break down and require additional development to mit a more secure environment. Due to the current progress and the schnolds sent for review in mid-sharaay, there is significantly more time to complete the remaining tast. Therefore, this issue has been lowered as a medium finding. 12/33/2022. The ASI are considered the critical sent highly Policial residency positioning of "Significantly more limb highly Policial residency positioning of "Significantly more limb highly Policial residency positioning of Significant Signific	resources will be used and final process for addressing the missing documentation. Might want to have a risk for gap in Sacurity support from DHS since Jack has left.
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				completed. (06/30/2024) - Perform a full review of all draft SSP controls for content and accuracy prior to the start of the independent Security. Controls Assessment of BS and submission of the SSP package to federal regulators. This will allow the SSP authors to update controls with changes from Design through implementation. (9/26/2024) - Begin monthly flan of Action and Milestone update meetings between DHS Security and the ASS security teams to inform each other of proress and updates made against seath				scan are implemented, the system may break down and require additional development for not in a more sectore environment. Due to the current development for not in a more sectore environment. Due to the current significantly more time to complete the remaining task. Therefore, this issues has been lowested on a medium finding. 12(31):2024 - The ASI resolved the critical and high POMAN related to patching of "Soring Boot". Additionally, is susting public was completed by the ASI and section to the Asia of the ASI	resources will be used and final process for addressing the missing documentation. Since the control of the con
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				completed. (06/30/2024) - Perform a full review of all draft SSP controls for content and accuracy prior to the start of the independent Security. Controls Assessment of BS and submission of the SSP package to federal regulators. This will allow the SSP authors to update controls with changes from Design through implementation. (9/26/2024) - Begin monthly flan of Action and Milestone update meetings between DHS Security and the ASS security teams to inform each other of proress and updates made against seath				scan are implemented, the system may break down and require additional development for min a more sector emissioned. Due to the current significantly more time to complete the remaining task. Therefore, this significantly more time to complete the remaining task. Therefore, this issues has been lowered on a medium finding; 12(3)/2024 - The ASI resolved the critical and high PAMA related to pasting of "Spring Boot". For a colleding of the critical and high PAMA related to pasting of "Spring Boot". For a colleding of the resources to complete the policy work remains an IVV concern. 11(7)/2024—in November, the ASI - Completed the policy work remains an IVV concern. 11(7)/2024—in Delta for the Concern.	resources will be used and final process for addressing the missing documentation. Since the missing documentation is selected as a first processing as in Security support from DHS since Jack has left. 06/14/7024 Feedback already provided by Dandel Malla at Dirty per-mark Malla at Dirty per-m
				completed. (06/30/2024) - Perform a full review of all draft SSP controls for content and accuracy prior to the start of the independent Security. Controls Assessment of BS and submission of the SSP package to federal regulators. This will allow the SSP authors to update controls with changes from Design through implementation. (9/26/2024) - Begin monthly flan of Action and Milestone update meetings between DHS Security and the ASS security teams to inform each other of proress and updates made against seath				scan are implemented, the system may break down and require additional development for an in a more secure environment. Due to the current paragras and the schedule see for review in mini-damans, There is provided to the schedule see for review in mini-damans, There is provided to the schedule see for review in mini-damans, There is seen to the schedule seed of the schedule sche	resources will be used and final process for addressing the missing documentation. Note that the page in decreasing documentation between a risk foor gap in decrut page in decrut page in decreasing and decreasing the same back has left. 06/14/2024 Facilitate already provided by David Rolla at May pre-meet. "My concern with the

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Finding	Identified					Analyst	Finding			
10 Title Reporter Type 30 Development delays have negatively Fors, Michael Finding- impacted the project schedule and delayed go-live. Solution of the project schedule and delayed go-live.	Date Category 6/30/2022 Configuration and Development	nt they have been unable to achieve and/or maintain their expected development velocity. Previously, the development team was challenged with accurately estimating development task level of effort (i.e., story points) and the project has been challenged with producing a project	Failur to achieve a level of accuracy in estimating development tasks could act as project schooled bet to 1 flavear and mortalistic. Previously, DIS hall indicated, and MV agreed, that some of Phese delays were due to some specific regular of a cross could be a large and system specifications that developers could consume without requiring extensive confirmations that developers could consume without requiring extensive confirmations that developers could consume without requiring extensive confirmations that developers could consume without requiring extensive where ASI BASI/SAS have Prevented less state optimal delays and left in the confirmation of the state of the sta	weeky DDI status meetingl, with an accurate velocity (e.g., story points per day/week/month) and assure that the current velocity is caucustaly and consistently reflected in the project schedule + ASI regularly report estimated story points for the total remaining project work to reach go-live and present a dynamic burndown chart to track the progress. COMPLETE COSEO - DIST reports the ASI strategies will be reported to the complex of resources to effectively increase velocity. Note that adding additional junior resources may not be an effective a staffing additional spark	Event Horizon Impact	Probability Priority 3 3 Med	Status Open	States Update J13/12025 - Med Conducted a project restart kickoff on J/23/2025 where they intend to implement several development fand other junces may be intended to implement several development fand other junces mere to be intended to implement several development fand other junces and accumulated technical delet. Midigation strategies include implementes and accumulated technical delet. Midigation strategies include implementes and accumulated technical delet. Midigation strategies include implementes activiting development entendologies from agie to waterfall, improving development discipline and structure, increasing the comprehensivenes strategies and branchine intended poly unbroarding admittional subject matter experts. 32/3/3/204- The AD continues to make efforts or about an extended activities of the proposition of the continues activities activities and efficiency. The plane recently independed a serior development immange to help address congenite general part of proportiely added two new development facilities. Glossed on quality assurance, proportiely added two new development facilities.	for the form of th	13/2025 Perhaps r the next MSR we sould review the yistanding commendations to source progress status reflected accurately. 9/09/2024
				with DHS generally AC consider failing departs in crease code quality, including sharpone good point of developer our lessing, straking and prescriberly preventing landage, and enforcing effective coding shardands prescriberly preventing landage, and enforcing effective coding shardands and all consider enhancing the daysh of developer unit testing.				as well as a new release manager. IT/B0/2004. The ASC continues to surgingle with a high number of defects, with frustrates and creates more work to DSL UNI testires. Because of this, DINS has elected to closeous UNI ASC Continues to the Continues of the Contin	adde 05/12 As di seet been of for defer	evelopers have been ided to project. 6/11/2024 c discussed at pre-eet, the evelopment team has seen primarily focused if fixing BES 1.0 feets. DDI work for 55 1.1 and 1.2 are rthcoming.
7.4 ABS Project schedule based on inscreame. Molins, Brad Finding- estimations deminishes effective plannings and resource management, which could result in late deliverables, cost increases, and a late go five.	11/29/2022 Project Management	Dist and the All have tried multiple times to record the schedule with results that have not yielded improvement. Concerns with the structure, estimating practices, and ability to manage to the schedule persist. The use of multiple tools to sort recorders obstacre recorder management. Previous YNAY findings focused on sperific schedule components such as many control of the schedule components such as addressed and closed.	If estimates for project wheeling scriptings are not accurate, this can be do concart schedule changes, resources no feling available when needed, nucled activities, and general frustration which can lead to schedule delays, low quality output, scope charges, and budget issues.	based on the project teams past performance and resources available to do the mensioning self. A you've frequented and best findings from finding complete the mensioning self. A you've frequented and best findings from finding complete for the project and the project continues to extra sequented best sens and delays at the self self. COMPLITE AS conduct a separation of project continues to self-use and sel	Immediate	3 4 High	Open	J.J.J.2025. At the end of the month, the ASI was working with all stakeholders in Grains and baseline are new project Schedule. The Circl's Schedule published by the ASI include 18 additional months to complete the published by the ASI include 18 additional months to complete the published by the ASI include 18 additional months to complete the second of the ASI include 18 additional months to complete the published by the ASI include 18 additional months included the Circle and the ASI included as observed in prior a checkuler. Delete published the ASI included the ASI include	Fin on will like the control of the	J/13/2024 in not sure the reader in not sure the reader in low on the 'Option reference and I or 'the sea my basequent reference in the finding's details, so sider removing the tree half of the infining's details, so sider in removing the tree half of the mineral result of the option 2." so support to good the control of the control o
To a planea BES inframework in complex fors, Michael Finding-which roads for officials to might meet and lead to schedula/cost impacts. BES A Company of the Cost impacts of the Cos		Current AS life instructure plans include a significant number of conditionated components for mikes up a complex cloud infrastructure. Further, the Project Team has yet to finalize components that will make up the BS infrastructure and the additional closs and limit to configure, text, and implement the planned complex environment remain unclear.	infrastructure is not accounted for and staffed by the ASI, the project could be me'vil unsuperated costs and schedule delays. Delay in faulting the components being implemented could caucie to that the first risk in the components being implemented could caucie to that this risk and interest and another than the components of the com	Tools components. A SI allott time in the schedule to conduct proof of concepts to sause inflativation econopens that is a specied. A SI allot maintain a detailed schedule for De-Ops implementation tasks to avoid maintain a detailed schedule for De-Ops implementation tasks to avoid unamplected delays that could delay project milectones and the critical path.	months	2 2 Low	Open	worked frough revisine the schedule to allies with the new orient direction 12/12/003. *No mitural update 12/12/12/035. *No mitural update 12/12/12/035. *No mitural update 12/12/035. *No mitural update 12/12/035. *No mitural update 12/12/03/12/035. *No mitural update 12/12/03/03/12/03/03/12/03/03/12/03/03/03/03/03/03/03/03/03/03/03/03/03/	2/13) for the second se	ree of the Issues. 13/2025 Perhaps the north MSR we used in the the north MSR we used in review the used in review the substance of the most MSR we should review the substance progress shallow reflected accurately. 13/17/2023 13/17/2023 13/17/2023 13/17/2023 13/17/2023 14/17/202
70 Intifficient configuration management Fors, Michael Finding- could head to evolument contains and Risk reduce the effectiveness of defect resolution	4/23/0822 Configuration on Development		ensures the BES is understood and works correctly. The BES solution t, includes tools that may provide a level of automation for Configuration	use of configuration management tools, . Identify the DHS POC for the	ASAP	2 2. Low	Open	J313/2023 - No material update. 12/31/2024 - No material update. 13/31/2024 - No material update of update update. 13/31/2024 - No material update of the Policy and Statewise (Included Configuration Management Plan (Included Update) - No material update for the reporting of update. 13/31/2024 - No material update for the reporting update. 13/31/2024 - No material update for the reporting update. 13/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for the reporting period. 5/31/2024 - No material update for period update for update and period. 5/31/2024 - No SA	still in sti	19/2024 If ill in progress. Plan ill in progress. Plan in progress. Plan in progress. Plan in progress. Plan is to progress plan in progress p

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