

OFFICE OF ENTERPRISE TECHNOLOGY SERVICES

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November 17, 2023

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

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

Pursuant to HRS section 27-43.6, which requires the Chief Information Officer to submit applicable independent verification and validation (IV&V) reports to the Legislature within 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,

Douglas Murdock (Nov 17, 2023 16:05 HST)

Douglas Murdock 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: October 1 – 31, 2023

Submitted: November 17, 2023



Overview

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

Executive Summary



The BES design and development work was finalized in October. The Project Team also began to prepare for the Final Acceptance Test (FAT) and Pilot, which are major milestones. In order for those milestones to be met, the ASI needs to:

- Fully test the BES system to ensure all requirements are ready for FAT. The ASI planned to present the Draft
 Requirements Traceability Matrix (RTM) Deliverable by the end of October (a tool used to demonstrate that all contract
 requirements are met and fully tested in BES). However, they delayed the delivery by two weeks which may have
 negative downstream impacts.
- Identify all functionality included in BES for Go-Live. To prepare for FAT, Training, Pilot, and Go-Live, DHS must have a
 clear understanding of the functionality included for Go-Live and what will be delivered post-Pilot or Post Statewide Go
 Live. The DHS readiness and operations team needs this information to plan and prepare for the BES implementation
 properly.
- Adequately train DHS Testers prior to Final Acceptance Testing (FAT) to provide a thorough understanding of how BES
 works so the testers can create and execute test scripts. Thus far, the overview training for Release 11 has not been
 sufficient.
- Maintain an accurate project schedule. The ASI reported Epics 219 and 284 as 100% complete when DHS has not seen
 the Sprint and/or Epic demos. Without DHS feedback for the demos, there may be additional effort needed to complete
 the Epic. IV&V is concerned that the project team is down to the wire to prepare for FAT and Pilot, so miscommunication
 on status or scheduled dates can be tricky to manage.

Aug	Sep	Oct	Category	IV&V Observations
M	M	M	Project Management	DHS has a temporary resource starting in November to relieve the BES Assistant Project Manager, who assumed additional responsibilities when the contracted Project Manager left the project in September. An offer has been extended to a candidate selected for the Project Manager position.

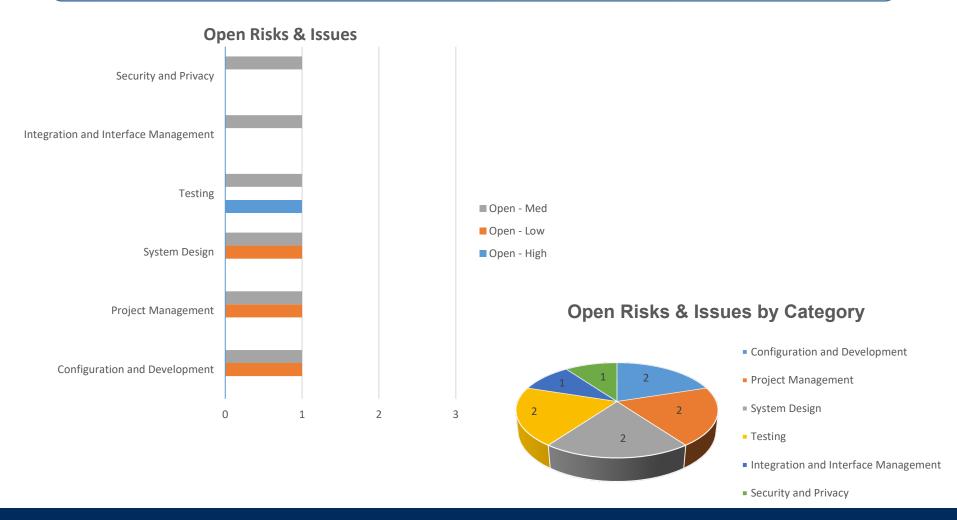
Executive Summary



Aug	Sep	Oct	Category	IV&V Observations
M	M	M	System Design	The current process for obtaining feedback on recorded Sprint Demos continues to be evaluated in terms of meeting the end goal of providing designs that meet DHS' requirements.
M	M	M	Configuration and Development	The ASI has provided configuration management information, but more details are expected to help assess the completeness of the Configuration Management Plan.
M	M	M	Integration and Interface Management	The Project shows progress regarding interface work, with one of the two open Memoranda of Agreement (DLIR) ready for sign-off and Interface Control Documents moving toward the final completion.
Н	H	Н	Testing	The ASI increased remediation work for ADA-related defects, as well as test case development in preparation for SIT. Both will be significant as it is comprehensive of all BES releases.
M	M	M	Security and Privacy	The Security and Privacy team focused on completing the design for the Secure Enclave. Additional work on the System Security Plan and other required documentation needs to be completed in preparation for submittal to Federal regulators.

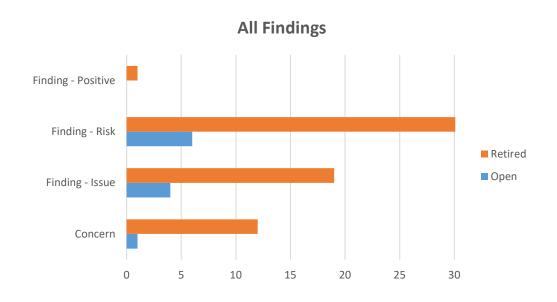


As of the October 2023 reporting period, PCG is tracking 10 open findings (6 risks, 4 issues) and has retired a total of 68 findings. Of the 10 open findings, 1 are High, 6 are Medium, and 3 are Low.





The following figure provides a breakdown of the 80 IV&V findings (positive, risks, issues, concerns) by status (open, retired).





Findings Retired During the Reporting Period

#	Finding	Category
	None	



Findings Opened During the Reporting Period

#	Finding	Category
	None	



Preliminary Concerns Investigated During the Reporting Period

#	Finding	Category
	Preliminary Concern – The Lead Project Manager position remains vacant which may slow down the pace of the project and/or cause project delays/rework.	
	Observation ; The DHS BES Project Manager left the project in September 2023. The Assistant Project Manager assumed additional responsibilities while DHS sought to fill the PM position and recruit a temporary (<90 days) position to assist in back-office duties.	
87	Significance : The BES project is moving into a critical stage, with a level of work that requires multiple resources as planned by DHS. Key activities include:	Project Management
	design and development for the final release being completed	
	 preparations for final System and User testing for all developed functionalities 	
	• preparation for operational readiness for the Pilot and State rollout of the BES solution.	
	It is critical that the new/open positions created by DHS are filled and available for work ASAP to avoid negative impacts on the project.	



Preliminary Concerns Investigated During the Reporting Period

#	Finding	Category
	Preliminary Concern – The current approach to Final Acceptance Testing (FAT) may not be complete, which increases the likelihood of missed deadlines.	
84	DHS is planning for FAT, scheduled to begin in February 2023. DHS plans to initiate test case development in early November 2023 and plans to finalize the list of staff who will perform FAT by early November to involve them in the planning sessions from the very beginning. However, FAT planning is reliant on knowing the complete scope of BES functionality to be included in Go-Live. This is a DHS request to the ASI that is yet to be answered.	Testing
	The ASI is also planning to conduct the full system and integration testing prior to the start of FAT. The ASI has repeatedly stated they are performing full testing of all functionality to include live tests for the integrations between the BES modules and Interface Partners. This testing is critical to the ability of the DHS test team to effectively test the system from a user perspective.	

Recommendations	Progress
Conduct comprehensive FAT planning	In process
Train testing resources early before FAT begins and walk through end-to-end scenarios.	Not Started



Project Management

;	#	Key Findings	Criticality Rating
		Issue – Uncertainty and/or a lack of communication around long-term architecture decisions could impact the project budget, schedule, system design, and planning decisions.	
2	29	The ASI completed another iteration of the BI-12 System Architecture Deliverable; however, some elements of their architecture may not have been fully described. For example, details of the secure enclave and the disaster recovery infrastructure have yet to be described and/or communicated broadly. IV&V will continue to monitor this finding throughout implementation and into the operations phase to verify that new components and changes to existing components are thoroughly vetted and communicated to stakeholders.	L

Recommendations	Progress
 The ASI should continue to update the BI-12 System Architecture Deliverable with additional details as they become available and with any finalized architectural changes. 	In process
 DHS should continue to ask the ASI to perform due diligence in any recommendation for foundational architecture change decisions and continue to review with appropriate DHS stakeholders (e.g., KOLEA) to assure a common understanding of the implications of these decisions. 	In process
The Project should continue to ensure communication between development leads and architecture leads to assure optimal collaboration on possible architecture changes that could impact decisions in each area.	In process



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	The BES project schedule continues to have significant revisions after being re-baselined, including delays to tasks (e.g., a training task was delayed over a hundred days due to schedule refinement). IV&V continues to monitor the schedule for possible estimation issues that could introduce risk in meeting key milestones of the project.	M

Recommendations	Progress
Monitor, evaluate and revise scheduling estimates for accuracy.	In Process
 ASI plan and execute Epic development so that Epic demos can occur earlier in the release schedule and allow time for possible revisions. 	Not Started
 ASI hosts a weekly meeting with DHS and IV&V to review all changes to the project schedules (Primary and DDI). 	In Process
 ASI provide details on how Velocity measures were used to develop estimations for development effort in new version of DDI schedule 	In Process



Integration and Interface Management

#	Key Findings	Criticality Rating
	Risk – The lack of early planning and coordination with interface partners may result in schedule delays.	
63	Two out of 23 Memoranda of Agreement/Memoranda of Understandings (MOA/MOUs) are outstanding; the ASI is reporting that an agreement was reached with DLIR and the agreement is ready for signature; the DoTAX MOU has some challenges that are being addressed by the ASI and DHS.	M
	The Functional Design of all 23 Interfaces was completed and approved by DHS.	
	Nine of the 23 Interface Control Documents were completed, reviewed, and approved by DHS.	

Recommendations	Progress
Complete all MOAs and obtain approval.	In process
Confirm testing dates with interface partners in writing.	In process
 Complete early proof of concept interfaces to avoid unexpected delays due to external organization miscommunications or their own internal delays in assisting the BES project. 	Not started



Configuration and Development

#	Key Findings	Criticality Rating
	Risk – Insufficient configuration management could lead to development confusion and reduce the effectiveness of defect resolution.	
70	The ASI provided broad information on the configuration items being tracked but has yet to provide detailed configuration items for IV&V review. The ASI has deprioritized some configuration management activities, which it intends to perform in preparation for Maintenance and Operation (M&O).	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
DHS and ASI work to clarify/solidify plans for the potential use of configuration management tools and DHS work to fund and procure a CM tool, as required, to avoid any negative impacts to the project.	In process



Configuration and Development

#	Key Findings	Criticality Rating
80	Risk – Development delays could negatively impact the project schedule and delay go-live. The ASI has noted gaps in communication (design misunderstandings) between ASI BAs and DHS SMEs; DHS project management is working with the ASI to determine the best way to address this. The DHS SMEs have suggested that design decisions/communications would be more productive if more than a few	M
	SMEs were included in the live demos. If these communication challenges continue, development delays could occur. While the ASI added 5 developers to focus on ADA defects, it remains unclear if addressing ADA requirements will incur further development delays.	

Recommendations	
 DHS request the ASI strategically add the right project team resources to effectively increase velocity. Note that adding additional junior resources may not be as effective as staffing additional expert-level development, analysis, and other resources that can lead and mentor junior resources. 	In process
 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.	Not started



System Design

#	Key Findings	Criticality Rating
	Risk – The planned BES infrastructure is complex which could be difficult to implement and maintain and could lead to schedule/cost impacts.	
73	The ASI continues to have productive discussions with DHS during their weekly Architecture calls. The ASI has yet to finalize their plans and technical architecture for conducting Disaster Recovery (DR). The cloud technology being implemented offers some benefit and can simplify some elements of DR. However, it remains unclear if the complex infrastructure (with the multitude of components being employed) will impact their ability to test and perform DR.	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



System Design

#	Key Findings	Criticality Rating
	Issue – Limited collaboration between the ASI and DHS in the design process could lead to BES usability issues and functionality gaps in the application and not meeting critical business needs for DHS and State clients.	
86	IV&V notes positive progress this month in that the DHS SMEs are providing more feedback to the ASI on the BES design. The DHS PM has requested Sprint demo process updates to ensure that DHS staff who provided feedback are aware of the resolution of their comments. The ASI has also noted gaps in communication (design misunderstandings) between the ASI Business Analysts and DHS SMEs. DHS SMEs have suggested that communications would be clearer if they were included in live demos. IV&V respectfully requests that DHS and the ASI re-evaluate the Sprint Demo process as part of the overall evaluation of communication.	M

Recommendations	
 Include a wide enough audience in all design and demo sessions to validate FNS and DHS functional and technical requirements and system usability. 	In Process
 Perform Sprint and Epic demos in alignment with development sprint completion (demo functionality/requirements as they are developed) to get early feedback on work products. 	Not Started
 Perform comprehensive (demo all requirements) review during Epic demos, not just the items that were added/updated, allowing DHS to provide early feedback on possible issues/gaps that might not be apparent when focusing on specific functionality. 	Not Started
 ASI and DHS re-evaluate the effectiveness of the recorded Sprint review process to ensure that designs align with DHS expectations. 	In Process



Testing

#	Key Findings	Criticality Rating
	Risk - The Americans With Disabilities Act (ADA) Section 508 compliance tool has not timely been installed for the Project, which may cause significant rework.	
67	The ADA compliance tool that was installed in August 2023 uncovered approximately 300 ADA-related defects. About 200 defects remained open at the end of October. Considering the high number of defects and minimal time remaining for development work, the ASI re-evaluated ADA processes for efficiencies and improved preventative measures. As a result, the ASI plans to use the Usablenet browser extension to find ADA defects in real time during development. The ASI will address these defects during development to minimize the number of ADA defects released into subsequent testing environments. Additionally, the ASI will dedicate 5 ADA-focused developers and a Scrum Master to address the existing ADA defects and anticipates having sufficient time to address the defects without impacting the Project.	M

Recommendations	Progress
The ADA tool meets contractual and project requirements.	In process
The ASI communicates a plan for ADA test execution.	In process
The ASI communicates how the tool will be used to report compliance and non-compliance and how non-compliance will be addressed/corrected	In process
The ASI provides DHS/IV&V reports from the ADA tool execution and explain how to interpret the results.	In process
 ASI/Project monitor their new ADA processes to determine if effective and can address all ADA defects prior to SIT. 	Not Started



Testing

#	Key Findings	Criticality Rating
83	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. The ASI continues to update the System Integration Testing (SIT) process and test cases. Until this is sempleted by the ASI. DHS cannot verify that the SIT test cases are comprehensive and fully test all BESS.	Н
	completed by the ASI, DHS cannot verify that the SIT test cases are comprehensive and fully test all BES functionality (including integrations, interfaces, and converted data).	

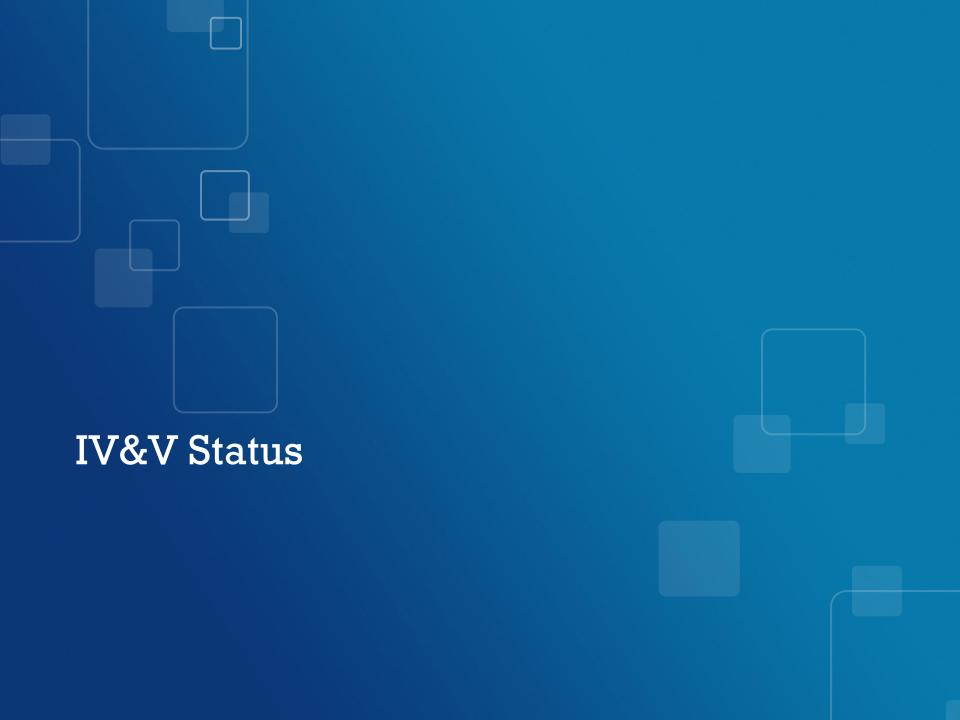
Recommendations	Progress
Monitor INT/SIT closely for both breadth and depth of testing to ensure the system is adequately tested.	In process
 The project team reviews the SIT exit criteria and revises them as needed to ensure UAT/FAT begins with the best system possible. 	In process
 ASI should determine the root cause of the failure to identify simple defects in INT and SIT and implement effective improvement processes to confirm early testing is adequate before entering UAT/FAT 	In process



Security and Privacy

#	Key Findings	Criticality Rating
	Risk – The lack of technical documentation may lead to incorrect implementation statements or delay the System Security Plan (SSP).	
82	Throughout the month of October, both the ASI and DHS Security SMEs have focused on the design of the secure enclave (to store federal tax information and other sensitive data). A significant amount of work remains for both the System Security Plan and the development of required artifacts for the secure enclave that are planned to be completed by the end of November 2023. Much of this work requires a logical approach in that certain activities must be completed prior to the start of follow-up activities.	M
82	 The secure enclave is in the design phase. The Security SMEs are writing over twenty (20) policies and procedures that will be artifacts to the System Security Plan (SSP), planned to be completed by the end of November 2023. There are over twelve (12) additional documents, including documented plans to support the SSP and required submissions to federal regulators, most of these documents are planned to be completed by the end of November 2023. The ESI and ASI have stated they are confident the work can be completed on time. 	

Recommendations	Progress
Determine when the infrastructure design baseline will be completed.	In process
Determine when documentation will be created, updated, and available for the SSP authors.	In process
 Collaborate and communicate with SSP authors about when reliable and correct documentation will be available. 	In process
 Perform a full review of all SSP controls for content and accuracy that have been written as drafts prior to December 15th, 2023. This will allow the SSP authors to update controls with changes from Design through Implementation. 	Not Started



IV&V Engagement Status



IV&V Engagement Area	Aug	Sep	Oct	Comments
IV&V Budget				
IV&V Schedule				
IV&V Deliverables				PCG submitted the final September IV&V Monthly Status Report.
IV&V Staffing				
IV&V Scope				

	Engagement Status Legend	
The engagement area is within acceptable parameters.	The engagement area is somewhat outside acceptable parameters.	The engagement area poses a significant risk to the IV&V project quality and requires immediate attention.

IV&V Activities



- IV&V activities in the October reporting period:
 - Completed September Monthly Status Report
 - Ongoing Review the BES Project Artifacts and Deliverables
 - Ongoing Attend BES Project meetings, (see <u>Additional Inputs</u> pages for details)
 - Reviewed available ASI contracts and contract amendments documentation.
- Planned IV&V activities for the November reporting period:
 - Ongoing Observe BES Design and Development sessions as scheduled
 - Ongoing Observe Bi-Weekly 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

Deliverables Reviewed



Deliverable Name	Deliverable Date	Version
BI-5 Project Schedule - BES 2023 Primary	10/11/2023 10/25/2023	N/A
BI-5 Project Schedule - BES 2023 DDI	10/11/2023 10/25/2023	N/A

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
UAT Testing Dashboard	N/A	N/A
RO.12 Epic and Sprint Demo Recordings	N/A	N/A

Additional Inputs



Meetings and/or Sessions Attended/Observed:

- IV&V Team Meeting 10/2/2023, 10/5/2023, 10/10/2023, 10/12/2023, 10/16/2023, 10/19/2023, 10/23/2023, 10/26/2023, 10/30/2023
- 2. IV&V September 2023 Pre-Draft MSR Findings Review 10/11/2023
- 3. HI DHS BES September Draft IV&V Report Review -10/16/2023
- 4. Bi-Weekly DHS and IV&V Touch Base 10/3/2023, 10/31/2023
- 5. Weekly BES Infrastructure meeting 10/6/2023, 10/13/2023, 10/20/2023, 10/27/2023
- 6. DHS/IV&V Check-in 10/12/2023, 10/26/2023
- 7. Bi-Weekly Client BES 2023 Project Status Meeting 10/4/2023, 10/18/2023
- 8. Security Touchpoint 10/4/2023, 10/11/2023, 10/18/2023
- 9. BI-10 Template/BI-12 Architecture Chapters Response Review 10/6/2023, 10/16/2023
- 10. Weekly Data Conversion Workgroup 10/12/2023
- 11. Sprint Demo Epic 219 (State Prisoner Interface DPS and HYCF) 10/19/2023
- 12. PMO End of Day Huddle 10/3/2023, 10/5/2023, 10/10/2023, 10/12/2023, 10/13/2023, 10/17/2023, 10/19/2023, 10/24/2023, 10/26/2023, 10/31/2023
- 13. (External) Weekly Interfaces Touchpoint 10/2/2023, 10/16/2023, 10/23/2023, 10/30/2023
- 14. (External) BES High Priority List Review 10/23/2023
- 15. (External) UI Standards Monthly Review 10/4/2023
- 16. (External) Readiness Working Group Meeting 10/3/2023, 10/17/2023, 10/24/2023
- 17. (External) Bi-Weekly Client BES 2023 Schedule Review/Status 10/11/2023, 10/25/2023
- 18. (External) BES System Security Plan Controls 10/10/2023, 10/17/2023, 10/31/2023
- 19. (External) Bi-weekly BES CCB Meeting 10/11/2023
- 20. Sprint Demo Epic 211 Disability and Good Cause 10/20/2023





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.
L	A low rating is assigned if there is a possibility of slight impact to product quality, scope, cost, or schedule. Minimal disruption is likely, and some oversight is most likely needed to ensure that the risk remains low. Mitigation strategies should be considered for implementation when possible.

Appendix B – 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

Appendix D – Background Information



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

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

Endina Slide



Solutions that Matter

	Finding	Identified					Analyst	Finding		
87 The departure of the BESSD lead project	Reporter Type Molina, Brad Concern	Date Category 10/31/2023 Project	Observation The contracted project manager for BESSD left the BES project in September,	Significance The BES project is moving into a critical stage, with a level of work that	Recommendation	Event Horizon Impact Pro Now 3	bability Priority 3 Med	Status Open	Status Update Client Comments	Vendor Comments
manager may increase risk to the project due to the bandwidth challenges for the remaining project manager.		Management	leaving the assistant project manager responsible for managing all DHS Project Management tasks and activities. DHS has taken steps to mitigate this risk by recruiting the PM position (an offer has been extended) and hiring a temporary position to provide short-term back-office support.	requires multiple resources as planned by DHS. Key activities include: - design and development for the final release being completed - preparation for final System and User testing for all developed functionalities - preparation for operational readness for the Plot and State rollout of the BES solution. It is critical that the newlyopen positions created by DHS are filled and available for work ASAP to avoid negative impacts on the project.						
66. Limbet collaboration between the AG and CH's in the deep process could lead to Est usability issues and functionality ages in applications and on menting critical business needs for DHS and State clients.	Molina, Brad Prioding - teases	N/2/2023 System Design	challenges with the user interface, missing functionality, and basic screen layout issues that would not be expected in a modern application. Based on	A gigifficiant amount of money and DSS countret time have been invested in the ISS solution, with the expectation that here we system will a member of the ISS solution, with the expectation that here we system will a member of the provide additional capabilities, greatly enhanced user interface, and overall supproved additional capabilities, greatly enhanced user interface, and overall supproved usability from current systems. Should the solution fail that of confidence in the addition providing the accusant information needed to provide benefits to 81 citizens; reduction in ability for DHS to provide the same level of needed services to clients, resulting in bad publicity for DHS and the state.	Perform Sprint and Epic demos in alignment with development sprint completion (demo functionality/requirements as they are developed) to get	Now 4	2 Med	Open	1001/1002 horizon - Our Mills are prouding their feedback. This is a repositing their feedback. This is a repositing their feedback. This is a repositing from feedback to the Most of their Eddingst their feedback to the Most of their Science. The Most of their feedback the Most of their feedback them of their feedback them is design to their feedback them of their feedback them is design to it. I red' an email back from Joe F. the MV has also noted gaps in communication (ledging misunefeeratedings) between the most gaps in communication (ledging misunefeeratedings) lettered them is the most gaps in communication (ledging misunefeeratedings) lettered them is the most gaps in communication (ledging misunefeeratedings) lettered them is the most gap in communication (ledging misunefeeratedings) lettered them is the most gap in all gap in the most gap in the most gap in all gap in the gap in all gap in al	W 10/13/2023 - Wr. Conversations. We conversations. In defined, Will keep as recorded defined demon. Will keep as recorded demonstration, but we addersoad on the control of the conversation of the
84 The Gurrent approach to final Acceptone. The Gurrent approach to might provide complete profession for the comp	Tan, Ryan Concern	6/29/2023 Testing	the Project appears unprepared for Release 11 UAT. For example, new testing processes, including a Teams Issue Tracker, are not fully developed. While basic workflow understanding exists, test team members raised many questions about testing processes, and some scenarios and defect flows	without a defined and developed LNT approach are received group that substantial risk of maning URT members where or the ETLI SEP in the server and fall the William Common and the Common	planning - Train testing resources early before FAT begins and walk through end-to-end scenarios. COMPLETED - Conduct lessons learned session to incorporate into FAT, including updates of all processes, procedures, roles and responsibilities (9/3102023) - Develop contingency olans (f Release 11.1	UAT 3	1 tow	Open	18.0 J. 19.23. The tay planning for AT, vehiculated in Supplin in Ferticary 19.23. 19.1 days an institute for used development on in Neumann 20.13 and plans to finalize the first of staff who will perform AT by early November to involve them in the grounding resistants from the very Supplines, Thompson, The Commission of the Commissi	Piesse reference 13/17/2023 The complete separa 18.5 functionality is being tracked in 18.6 functionality is being tracked in 18.6 functionality is being tracked by 18.5 functionality in 18.6 functi
83 Gaps in test coverage and slower than- expected progress in testing may result in schedule delay if subsequent test phases uncover a higher volume of defects and success a higher volume of defects and use feedback than vinitally anticipated.	Tan, Ryan Roding - Issue	6/2/2023 Testing	Dashbands, and Test Repotibles, paps in testing coverage may exist and the reporters of testing right be lagging. Contemple setting coverage, it appears that not all epics and use case in R11 hine associated test case or are related by the result of the	Identifying directs only is what for effective setting, as is innove efficiency and coal effective to disclose issues during the enryl setting range. If there is allow progress or incomplete testing in the early stage, it can result in once affects leading into subsequent testing planes, recessitating more may be assumed that the stage of th	simple defects in NT and ST and implement effective improvement processes to confirm why testing is adequate before energing UNIFAR DRS and AS monitor INFJST closely for both breath and depth of testing to ensure the system is adequately letted. If Project learn eview and expend the state of the state of the system possible.		4 High	Open	10/11/20/23. The All continues to update the System Integration Testing (107) process and series as Levell this occurred by the All (104) cannot functionally (Including integrations, interfaces, and convented data). (11/20/23. Gap (104) continues requirements/functionally that many root have been tested sufficiently in the bulb, integration (107), and system integration Testing (107) places continues the result in numerous defents. (107) the series of the Continues of the Conti	10/11/2023 - Owell 10/11/2023 -
The lack of fetchical documentation may lead to locar complementation tattement lead to locar complementation statement or delay the System Security Plan	Health, Dustin Finding - fick	4/27/2023 Security and Privacy	In Agril, the Ad/DER system sourcing plan (SDP) authors began writing implementation statements. Currently, the Societied documentation supporting the SDP is unrealishing, outstand, or in a dor'd from. Suring Agril, the SDP is unrealishing, outstand, or in a dor'd from. Suring Agril, the SDP is a state of the SDP address of the SDP address of the SDP address of the SDP address of how the system should be designed from the SDP address presented of how the system should be designed from the SDP address reset or intented of how the system is actually designed. The SDP address reset to intented of how the system is actually designed. The SDP address reset to intented or the system is actually designed. The SDP address reset to intented or the system is actually designed. The SDP address reset to intented or the system is actually designed. The SDP address reset to intented or the system is actually designed. The SDP address reset to intented the SD	authors may need to edit or rewrite implementation statements. A full draft 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 SSP is a large technical document with hundreds of controls and control enhancements, and each one requires an implementation statement of how	Progress - Determine when documentation will be created, updated, and available for the SSP authors In Progress - Collaborate and communicate with SSP authors about when reliable and correct documentation will be	2023 when the full SSP is scheduled for completion and approval prior to sharing with	3 Med	Open	13/28/20/23—Throughout the month of October, both the AS and DHS Country (MS). The both secure enclave for the country of the	2013/2023 - Vic. 1 to cities Visit V

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Part		Finding	Identified					Analy	st Finding			
The state of the s	ID Title	Reporter Type	Date Category	Observation	Significance	Recommendation	Event Horizon	Impact Probability Priori	ty Status	Status Update	Client Comments	Vendor Comments
Service of the control of the contro	the project schedule and delay go-live.	Risk					r	3 3 Med	open			10/31/2023 - Vic -
Well and the state of the state	. ,	•		development velocity. Previously, the development team was challenged	Failure to achieve a level of accuracy in estimating development tasks could	resources may not be as effective as staffing additional expert-level				management is working with the ASI to determine the best way to address		mixed bag here. We
Part				with accurately estimating development task level of effort (i.e., story	lead to a project schedule that is flawed and unrealistic. Previously, DHS	development, analysis, and other resources that can lead and mentor junior	r			this. The DHS SMEs have suggested that design decisions/communications		are mentioning design
Part										demos. If these communication challenges continue, it could lead to		
Part				ASI continues to be challenged with finding qualified resources in a timely	specifications that developers could consume without requiring extensive	(e.g., story points per day/week/month) and assure that the current velocity	y			development delays. While the ASI added 5 developers to focus on ADA		design
Part				manner.			le					
A PROPER					Where ASI BAS/SAS have presented less than optimal designs and left it to DHS (who may lack software or UI design expertise) to improve, which has							
A PROPER					contributed to unproductive design sessions (see Finding #61). It remains	attendees during each demo. • ASI regularly report estimated story points				velocity and meet development milestones. Though the project has elected		development delays,
Fig. 1 Sept. 1					unclear if scope creep has contributed to these delays.	for the total remaining project work to reach go-live and presents a dynami-	ic			to minimize scope creep, SMEs remain concerned that the ASI is pushing		two months left in
Part						burn-down chart to track the progress. COMPLETE CLOSED • ASI reviews the development process and identifies and mitigates the challenges.				back on some important design refinements. They have noted that the Projects decision to record demos instead of having live collaboration		DDI. Vic - we will evaluate
A Marie Confidence was also with a second control of the confidence was also with a second control of the confidence was also with a second control of the confidence was also with a second control of the control of the confidence was also with a second control of the control						preventing them from incorporating Epic demo activities into the project				sessions with SMEs could hinder good design and slow the design feedback		
A discontinuous and sinks						schedule. (9/29/23 - ASI will not be doing this, with DHS approval)						
## A MANUSCHICK CONTROL OF THE WAY AND A MANUSCHICK CONTROL OF THE											t .	
Mary										system that falls short of users expectations, user buy-in may prove to be a		
Mary												
Part												
1										complex than they expected. The ASI has recently proposed that they defer		
West Processing Services and Company of the Company												
1												
1										complete development. DHS SMEs have reported concerns that the ASI		
The standard standard and stand	74 A BES Broject schedule based on inaccurate	Molina Brad Finding -	11/29/2021 Project	DUS and the ASI have tried multiple timer to rework the schedule with	If artimates for project schedule activities are not accurate this can lead to	OPEN Manitor, evaluate and review reheatiling estimates for accuracy. ASI	Immediate	A 2 Mad	Onen	continues to remove scope to meet planned milestones. IVV remains		
Septiment and control of the control	estimations diminishes effective planning			results that have not yielded improvement. Concerns with the structure,	constant schedule changes, resources not being available when needed,	plan and execute Epic development so that Epic demos can occur earlier in	auc	- 2 Med	Open	revisions after being re-baselined, including delays to tasks (a training task		
In the state of th	and resource management, which could			estimating practices, and ability to manage to the schedule persist. The use	rushed activities, and general frustration which can lead to schedule delays,	the release schedule and allow time for possible revisions. ASI provide				was delayed over a hundred days due to schedule refinement). IVV		
Manuscriptor Manu	result in late deliverables, cost increases,			of multiple tools to track resources obfuscate resource management.	low quality output, scope changes, and budget issues.	details on how Velocity measures were used to develop estimations for						
Part	and a rate go-rive.			resource management and critical path analysis, all of which were		ASI agree to a revised schedule against which project deliverables can be				re-baselined both the Primary and DDI BES Implementation schedules,		significant revisions
And the second continues of th						managed. (2/28/2023 - complete) ASI host a weekly meeting with DHS and				adding 8 weeks to release 0.12 and addressing DHS and IV&V's concerns		made to the schedules
Part										that the prior schedules were underestimating the effort required to		
The second secon						the project schedule, such as Sprint and Epic demos, to show key progress				Portal functionality after statewide implementation, IV&V remains		dates. Falso mention
Septimon Programment and Company of the Company of										concerned other requirements may also be delayed. This may cause		dates will continue to
Part						Confirm current assumption that a delay with the current go-live date will not recult in major implications. (6/20/20)				downstream impacts on UAT planning and execution, Training,		evolve as we progress
Part							n			Organizational Change Management, and Operational readiness to plan for any required worksrounds and manual processes 8/31/2023 - The 8-week		
Part						and burn down charts to adjust development tasks estimates if needed.				implementation delay provides the project team with additional time to		consider "softening"
Column C						(4/30/2023 - ASI using Jira) Using the available tools, review the current				develop and test the planned Release 12 functionality, including work that		your status verbiage.
The special season of						estimates to complete each activity compared to past actual hours (1/31/2023 - new ASI - Not Started) Update as necessary and provide the						
And many of the extraction from the property of the company of the						DHS/ASI Project Managers with reports and data that accurately reflect the				The ASI has not provided justification for reducing development and testing		
The suppose of the su						DHS/ASI resource needs along with over/under allocations of staff for the				efforts in the schedule for Release 12 as requested by DHS and IVV.		
If the process of the						mitigation and contingency plans that are tracked/managed by DHS/ASI for				Additionally, IVV is concerned about ASI delays in providing a BES project schedule to DHS that reflects major revisions to Release 12 as reported by		revisions, what are you concerned about?
Separate states and substantial states and substantial states are stated as a state of the state						all tasks that are behind schedule or are at risk of being behind schedule				the ASI. IVV will continue to monitor the schedule for any risks that might		Brad - big swings in
Part										impact the Project's ability to plan and execute upcoming work. 6/30/2023		the schedule. Training.
In the property of the propert						may cause the project delays other than inaccurate estimates such as over				estimates were applied without DHS awareness. Specifically, two		has been working to
17 Mary and product of sections to company of the section of t						reliance on POs, slow design sprints, and cadence of development teams.				development sprints (1 month in total duration) and three integration		
which will display the property of the propert						(2/28/2023 - new ASI) The new ASI presents a draft schedule for DHS				testing sprints (1.5 months in total duration) were removed. Yet, a		know more it is
where the final management and and any part in the an expectation and a claim	which could be difficult to implement and		10/26/2021 System Design	sophisticated components that make up a complex cloud infrastructure.	infrastructure is not accurately accounted for and staffed by the ASI, the	(software updates/new releases), manage changes, and regression test once	e months	2 2 LOW	Open	during their weekly Architecture calls. The ASI has yet to finalize their plans		11/17/2023 -
And the desired drings consistent on many colors. In the part of	lead to schedule/cost impacts.			Further, the Project Team has yet to finalize components that will make up	project could be met with unexpected costs and schedule delays. Delays in	updates are applied The project team work to establish strong governance	ce			and technical architecture for conducting Disaster Recovery (DR). The cloud		Again, why is DR being
Section of the product of the control of the product of the produc												
A transfer of the manufacture of the second process of the second				and implement the planned complex environment remain unclear.								
Figure 1 the quarter of the grant of the gra					increased potential for system failure (i.e., due to the significant number of	maintain a detailed schedule for DevOps implementation tasks to avoid				to test and perform DR. 9/28/23 - The ASI has experienced turnover of their		is scheduled to be
member to include and compared that figures compared to the property includes and compared to the property i					"moving parts") and increase the level of time and effort to resolve	unexpected delays that could delay project milestones and the critical path.				Enterprise Architect position; this does not appear to have had a material		
and the first designation management. For supplication and particular designation and specific first section and specific first					remain in an immature state compared to their legacy counterparts. For					progress in the build-out of their infrastructure and is confident that the		
compared in a few of the compared and th					example, the project recently experienced a system failure because Google					automation they've implemented will simplify many maintenance tasks		2024.
product with programment of the control programm					Cloud failed to clearly communicate a change that led to failure in another					Given that, they remain confident they will be able to meet infrastructure milestoner without bindering development. The ASI has also stated that		10/21/2022 -
and that the discharate and defer transform of the following terms of the properties					product offering, compared to their rivals (Amazon Web Services, Microsoft					maintaining the system post-go-live will not require excessive effort and		
be fellowered and feet transplanted for the residue and lead in project designation, city of the residue and lead in project designation,					Azure). IV&V remains concerned that this could lead to failures at critical					that achieving the SLAs will be possible. IVV remains concerned that some		understand why this
eventually racked Mod Controlling and Mode Controll												
Genium with na complex offended vacuum emorement. Senium emorement. Sen					eventually reduce M&O outsourcing costs turning over M&O tasks to State					(e.g., the secure enclave and disaster recovery environment). 8/31/23 - The		10/11/2025
September 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					employees, they could face challenges supporting tools they may not be					ASI has reported progress in the build out of Chronicle, their event logging		
Politificant configuration management for the Configuration management and flexible to efficience of department of the configuration management and flexible to efficience of department of the flexible to efficience of the configuration management and flexible to efficience of department of the configuration management and flexible to efficience of department of the configuration management and flexible to efficience of department of the configuration management and flexible to efficience of department of the flexible to efficience of the configuration management and flexible to efficience of department of the configuration management and flexible to efficience of department of the configuration management and flexible to efficience of department of the configuration management and flexible to efficience of department of the configuration management and flexible to efficience of department of the configuration management and flexible to efficience of department of the configuration management and flexible to efficience of the configuration management and configura					familiar with in a complex infrastructure environment.							
To trustforce configuration management of particular configuration management is documented. Address a particular configuration management is documented and particular configuration management is documented. Address a particular configuration management is documented and particular configuration management is documented. Address a particular configuration management is documented and particular configuration management is documented. Address a particular configuration management is documented and particular configuration management is documented. Address a particular configuration management is documented and particular configuration management is documented. Address a particular configuration management is documented and particular configuration management is documented. Address a particular configur										for the BES Infrastructure. IVV will continue to monitor this finding and look		Security and Privacy
To insufficient configuration management at the effectiveness of effect resolution The BB COI Fina Deliverability (Approximation and approaches to the effectiveness of effect resolution The BB COI Fina Deliverability (Approximation and approaches to the effectiveness of effect resolution The BB COI Fina Deliverability (Approximation and approaches to the effectiveness of effect resolution The BB COI Fina Deliverability (Approximation and approaches to produce a section of the configuration to management at the configuration and approaches to the effectiveness of effect resolution The BB COI Fina Deliverability (Approximation and approaches to the final resolution in the configuration to t										for ASI progress in addressing the recommendations. 7/31/23 - The project		which documents the
To insufficient configuration management it and processing and pro												
79 inadificant configuration management for Michael Rodge 2 1/1/1/1021 Configuration was followed and development configuration management in Su. Oberlogonest in Su. Oberlogonest of August (Configuration Management Russ) (DHS. 6/30/23 - The ASI has made progress with key infrastructure		and account to the same.
70 Indifferent configuration management is part of dispersation Management is a set of precedit management is set of precedit ma										components, particularly those related to the loading and masking (using		
reduce the effectiveness of defect regulation springers has been made toward establishing of the first furniturature. At a which part that may recise one such abouting worther that provides one such deput in provide a provide a level of automation for Configuration management. He has a section of the following of the first furniture and the configuration management of the config			8/23/2021 Configuration an	d The BI-6 DDI Plan Deliverable, Section 5.2 establishes the framework for the	Configuration Management is a set of processes and procedures that			2 2 Inw	Open	10/26/23 - The ASI provided broad information on the configuration items		
reduce the effectiveness of defect regulation springers has been made toward establishing of the first furniturature. At a which part that may recise one such abouting worther that provides one such deput in provide a provide a level of automation for Configuration management. He has a section of the following of the first furniture and the configuration management of the config			Development	Configuration Management Plan, however, it remains unclear if sufficient	ensures the BES is understood and works correctly. The BES solution	in BI-6 DDI Plan, Section 5.2 and clarify details and/or any changes with DHS	s.	_ tow		being tracked but have yet to provide detailed configuration items for IVV		
projects Security Plan has yet to be finalized which may include additional and the accurate, dynamic and timely information on some of the configuration of personal plants of the protection of the protection of the accurate plants of the accurate plan	reduce the effectiveness of defect resolution	n		progress has been made toward establishing CM processes and governance	, includes tools that may provide a level of automation for Configuration	ASI validate plans for configuration management with DHS and agree on a				review. The ASI has deprioritized some configuration management		
requirements or decisions that could impact CAI. The project currently relies on Sithship for fracing of some configurations. **Relies on Sithship for fracing of some configurations.** **Relies on Sithship for fracing of some configuration.** **Relies on Sithship for fr				projects Security Plan has yet to be finalized which may include additional	 management that may reduce errors and should provide the project team with accurate, dynamic and timely information on some of the configuration 	ASI work to clarify/solidify plans for the potential use of configuration				Operation (M and O). 9/28/23 - The ASI gained DHS' approval on the items.		listing, working on a
are being followed, are effective, and are achieving DHS objectives for CM. material update. \$731,2022 material update. \$731,2022 \text{ material update. \$731,2022 \tex				requirements or decisions that could impact CM. The project currently	items. However, it is critical that DHS/ASI agree to the full list of items that	management tools COMPLETED + Identify the DHS POC for the				that will be tracked and monitored as part of configuration management.		plan to implement.
are being followed, are effective, and are achieving DHS objectives for CM. material update. \$731,2022 material update. \$731,2022 \text{ material update. \$731,2022 \tex				relies on Github for tracking of some configurations.	are included in the configuration plan along with the details regarding the	Configuration Management Activities that would provide oversight of				IVV requested the list last month and is waiting on the ASI to respond.		
Allisation of the ServiceNew Configuration Management Cold Platform in ever important and view of the ServiceNew Configuration Management Cold Platform in ever important and view of the Configuration (Section of the Configuration of the Configuration (Section of the Configuration (Section of the Configuration of the Config					management of the configuration items, reporting and audit reatures.	are being followed, are effective, and are achieving DHS objectives for CM	•					
details into describe device thorus Configuration Management Databases. ** dotted by the Service of Confished work Servic						7/31/2022				utilization of the ServiceNow Configuration Management (CM) tool. They		This will become more
Continued upon the Setting in Service office, will be suiting upon instructure. (1) Continued upon the Setting in Service office, will set an interview (SF) indicated the setting of the										have recently performed an initial import of Google Cloud Platform server		important and we
Ongoing support and marks. Deef friendested betwievestill of sile. A (29)/2012 The ASI Considerate betwievestill of sile. A (29)/2012 The ASI Considerate betwievestill of sile. For the groupest, 231/2012 The ASI Considerate betwievestill of sile. For the groupest, 231/2012 The ASI Considerate and for Foreign sile. In this considerate and sile. I										Continued work. Setup in ServiceNow, will be building up instances.		
for the project. 3/31/2023 - The ARIS currently evaluating which Service to New (S) model. 3/31/2023 - The ARIS currently evaluating which Service to New (S) model. 3/31/2023 - The ARIS currently evaluating which Service to Service the Service of Servic										Ongoing support and main. Dont' think still a risk, IVV to discuss.		10/11/2023
Now (Std modules will be the best fit for the project and for DEFS going ill set tam module of the set of the										4/30/2023 - The ASI finalized the ServiceNow (SN) modules they will utilize		nun u annunta tut
forward. Detail of exactly the bill be using \$1 and the level of configuration management that the property of										Now (SN) modules will be the best fit for the project and for DHS going		
configuration management tables and the second seco										forward. Details of exactly how they'll be using SN and the level of		waiting on the ASI to
most configuration management reaching, betails of earthy for the VIVE of earthy management in modes and capabilities of the capabilities										configuration management they intend to perform has yet to be		respond - Please
using \$M and the multitude of modes are possible term on the project restant which are possible term of the project restant which are placed to concentrate and project restant which are placed to the project restant which a stake, and for will researce the finding concer related project activity has the stake, and for will researce the finding concer related project activity has a managed in begun 1.21/1/1/2022. No harders is quite the first when shared support and the service force of the project of the projec										most configuration management tracking. Details of exactly how they'll be		see the following list of configuration
1/13/2012 - Activity the response prival concentrated per prival concentration of the state of t										using SN and its multitude of modules and capabilities remain unclear.		management items
begin. 12/31/2022 - No material update in the reporting period as the ServiceNovic with stopper continued and the will consider the temperature period with the with stopper continued and the will will reasons the confidence and our associated recommendations once more is Changel Configuration.										1/31/2023 - Activity in the reporting period concentrated on project restart		which are/will be
work stooppast continued and the new Ald Conductorfed retart planning, IV Incident Response Will response the Cinding and us secolated remore is Chap(Configuration For the Chap										begun. 12/31/2022 - No material update in the reporting period at the		
will reasses this finding and our associated recommendations once more is Change Configuration innown. 11/30/1022- No material update in the reporting period as the Management										work stoppage continued and the new ASI conducted restart planning. IVV		Incident Response
вном. 14 разделия — по перево время в пое территор разполь до им										will reassess this finding and our associated recommendations once more is		
										and the reporting period as the		

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Set in both Completer could any of the factor of the expert of the count could and the factor of the count of	Rama - Triplo Indials set up a deficiant of ADA team. Dev enteression for one time the control of the control o
be notabilited for the Project, which may care implicant reads. It is all projects and the factors 500 complained and the f	Rama - Triplo Indials set up a deficiant of ADA team. Dev enteression for one time the control of the control o
performed fine in the base discussed with the AS over the past severing the configuration with the past severing the	Rama - Triplo Indials set up a deficiant of ADA team. Dev enteression for one time the control of the control o
incomb, but there have been endour or of reachts conduct. The AGB data set in the first war scroop and one of the AGB requirement of the	set up a dedicated ADA team. Dev extension for developers to use to check code. Team brought in both programmer of the code team brought in both programmer of the code team of the code when submitting the code team of th
bit bit May are roding to some of the Add Agregaments and must say as will be to find a CAL compliance a sint start suddings are as simple of the Size of the Part politics of the Part politics of the Size of the Part politics of the Part po	ADA team. Dev entersions for of developers to use in check code. Team brought in bugs, examined every zer a common to the code. Team brought in bugs, a camined every zer a crisis matter, also be about the developers, and the properties, bring into build pippline. New developers are usualisating as built, cf. developers are usualisating as built. See the code when submitted to the code of the code
top too for AAC complance as an enterm solution. Why has not received any data to demonstrate the dath depth of the production can be approximated to the production of a production of the production of	entersion for developers to use to check code. Team brought in low, examined every acr 5 developers, examined every acr 5 developers, and scrum master. New branch of updates, bring into build pipeline. New developers are unique to the code of the schemist code of the co
wy data to demonstrate the date, togo for excitant or if it provides coverage of the contraction of the cont	check code. Team brought in bugs, examined every scr. 5 developers and scrum master. New branch of updates, bring into build pipeline. New developers are unique validating as built, of developers are unique play in to check the code when submisst V# - This week's sta report had process improvements. Rama - We are confident that we ca
For all ADA Compliance tissues. Accessibility Substance with Section 16st of the Rehabilisticon Accessibility Substance with Section 16st of the Rehabilisticon Accessible Section 16st of the Rehabilisticon	brought in bugs, examined every screen 5 developers and scrum matter. New branch of updates, bring into build pipeline. New developers are validating as-built, developers are using plug-in to check the code when submitti VIV - This week's sta report had process improvements. Rama - We are confident that we ca
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planning and execution tasks and activities, including those for instructed per partners, are neither resident our managed within the Project Schedule. The partners, are neither resident our managed within the Project Schedule. The project Schedule grows are proposely developed and tested before communication plan for each interface partner for the duration of the EES The Memorandum of Linguistics (MOIS and MOIQI) are being eviewed. 7 of 24 MOIA (CHIEFET 30/17) 2.20 (CHIEFET 30/17) 2.2	end of October.
partners, are neither resident nor managed within the Project Schedule. deploying the system to production. Did nativities. COMPRETED 13/97 3. I dentify and document all interface (MOXBs and MOVIL) are bring reviewant. 7 of 28 MOXBs, including the HOLIR partners' construction. COMPRETED 13/97 12 Mortes a relaxes exchedule for interface, have expired or interface, have expired or interface. Described the restriction, where expired or interface is nickled milestone dates, coordination, and execution and provides a target date for receiving the expirity MOXBs and MOVIL. Wire will share with the interface partners. COMPRETED 13/96 14, Section where the continues to date or mortes VMA and AND Users. The PIGE Occorn that the ASI	Met with DoTAX (Co
partners' contacts. COMPLETED 3/31/2022 3. Define a release schedule for interface, have expired or will expire by the end of 2024, DMS/ASI has yest to each interface to include mileitone dates, coordination, and execution and growthe a target state for resolving the expiring MONs and MUOLs. IV will share with the interface partners, COMPLETED 0/64. A Exeminate which continues to montary MONs and MOUL mits. The PSE NOS MOST BASED of the MOST BASED STATE OF THE PSE NOS MOST	to get appendix
each interface to include milientome dates, coordinations, and execution and provides a target date for resolving the expiring MONe and MOLE. IX will share with the climatering partners, CONDITION DISC. 48, CHEMINATION CONTINUES AND	details. Sent to Scot
share with the interface partners. COMPLETED 01/04 4. Determine which continue to monitor MOA and MOU Items. The DHS concern that the ASI	M. to finalize update
some wor the interactive partners. LUMPAL 94.4 LUBERTHING WHICH CONTINUE OF THE ADMINISTRATION OF THE ADMINIST	then send to AG. DoTAX is one of the
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and detailed electricities designs of all interestances. CLAMPALE ISD UZU/A has been reviewed and restored to require and restored to require and restored to require the restored to require the restored to record to record to record to record to restored to record t	busy in the tax seaso
in review and compines on the internace, surror su continues on the internace surror su continues on the internace surror su continues on the CDS and of the	busy in the tax seaso
με το μετά το	Vic - Rama has
ment use eggs, we make a common to the commo	updates, Pushback
counter of mill exists, therefore, all MOLs are before releved	from OIT about
and re-writing by DHS. This processor is a using various to an analysis of the contract of the	sample files.
roadblocks or schedule delays other than the managewer diversion required	Rama - set up a bato
to resolve the MOA/MOU statuses. During the August 14th interfaces	team for end-to-end
meeting, the DHS raixed concern that the Interface Functional Design	coverage. We met
Documents (FDDs) have changed and no longer reflect designs made during	with Ryan S. and Off
the 2002-2022 timeframe. NV is concerned that the designs changed	about sample files. \
without DHS involvement and may require rework. DHS and NW are awaiting	asked for masked
the ASI response as to why the designs changed and what corrective actions	PROD files for ease
are necessary. 07/24/2023 - The ASI and DHS are working to complete the	use. OIT said no. We
remaining two interface agreements (DLR and DoTAVI. Work is proceeding	are creating a batch
29 Uncertainty and for a lack of communication Fors, Michael Finding - 5/28/2019 Project Throughout the last several years since project initiation, platform and BIS The current project architecture and design should be as representative and design sho	
around long-term architecture decisions have machinecture decisions to take Management system architecture decisions to a decision shave not always been desired additional defaults at ellipse and social bear of the architecture and a social and	
cold impact the project bodgs, schedule, and socialized to all relevant project; stakeholders, for example, feetal and a socialized to all relevant project stakeholders, for example, feetal and the accuracy of the profest is still be accurate contained to all relevant project stakeholders, and planning decidents. Olis that no broadly communication of the decident of relevant projects and profest made and the decident recompressible should be the remarks of relevant stakeholders and preferent stakeholders and perform under stakeholders and professible should be the remarks of relevant stakeholders and perform under stakeholders and perform und	
system ossign, also paraming decisions. Un-so and not occusive communication tend reactions in management the visioner in conceptive view to a y a visional to all or relative in the final to a vision to the conceptive view to a vision to the visi	Infrastructure are
mounts (see in Aucts, one in the project of the pro	works in progress
was not immediately reflected in the project changing of or the project. decision by Eurhary, the detail of the Art bankles first feed and one of the control of the results of the decision of the decision of the project. decision by Eurhary, the detail of the Art bankles first feed and one of the control of the decision of the plant of the art bankles first feed and one of the decision of the plant of the art bankles first feed and one of the decision of the plant of the art bankles first feed and one of the decision of the plant of the art bankles first feed and of the ordinary of the decision of the plant of the art bankles first feed and of the ordinary of the decision of the plant of the art bankles first feed and of the ordinary of the decision of the plant of the art bankles first feed and of the ordinary of the decision of the plant of the art bankles first feed and of the ordinary of the decision of the plant of the art bankles first feed and the ordinary of the art bankles feed and the ordinary of the art bankles first feed and the ordinary of the art bankles feed and the art bankles feed	Works in progress. Why does IV&V
for integrating the two inflamentaries were not immediately and/or broadly inflamentaries were not immediately and or broadly inflamentaries were not inflament	continue to report
Communication of the communica	items that are in
development teams, they may have to rework their designs once they realize COMPLETE - PHS should finalize the Portal strategy and implementation postopore the implementation of the BES Portal functionality until after Co	progress work? Who
more advanced platform capabilities/features are available after details and clearly communicate out to stakeholders and project teams. Live, further changes may be necessary to the overall architecture to include	do you draw the line
development planning has completed. Complete 3/31 CLOSED - Maintain current communication processes to the planned architecture for the interfaces and PAIS application (PAIS the	,
ensure regular communication between the architecture team and the rest current solution for Hawaii distens to complete an application for BES	10/11/23 Vic - Per c
of the project team to assess impacts of architecture decisions to the benefits). The four chapters currently under review are 81-12 Audit System	discussion with Joe,
Project. CLOSED 11/39/2022 Chapter 8-12 BES Shared Services Chapter 8-12 BES Shared Service Chapter 8-12 Self-Service Portal Chapter	Rama mentioned the
Bi-12 Physical Architecture Chapter 8/31/23 - The ASI continues to work on	will not be a need to
the BI-12 System Architecture Deliverable, with chapters for Common	make changes to the
Functions, Sharred Services, System Security Plan, Audit System, and Physical	architecture
Architecture currently under internal review. DHS and IVV are expected to	documentation as a
receive these chapters for review in the month of September. 7/31/23 - The	result of the BES-SSF
project considered changing correspondence tools from Inspire to Google	deferral.4/23/21 rap
ACDocs but recently decided to stay with inspire. MV will continue to	The ASI and DHS
monitor for broad communication of architectural/food decisions to relevant	continue to refine th
stakeholders. The Project is making progress in clarifying key architecture	
decisions. 6/30/2023 - The project is smaller progress in clarifying key	final plan for the tw
architecture decisions. One notable decision that has been announced and	portal vision. We
approved by DHS is the implementation of the two portal strategy as part of	portal vision. We expect that final
the statewide crollout, rather than including it in the earlier place release.	portal vision. We

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