

KEITH A. REGAN COMPTROLLER KA LUNA HOʻOMALU HANA LAULĀ

CHRISTINE M. SAKUDA
CHIEF INFORMATION OFFICER
LUNA 'ENEHANA

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

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

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

December 17, 2024

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

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

Pursuant to HRS section 27-43.6, which requires the Chief Information Officer to submit applicable independent verification and validation (IV&V) reports to the Legislature within 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 <a href="http://ets.hawaii.gov">http://ets.hawaii.gov</a> (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: November 1 – 30, 2024

Submitted: December 13, 2024



#### Overview

- Executive Summary
- IV&V Findings and Recommendations
- IV&V Engagement Status
- Appendices
  - A IV&V Criticality Ratings
  - B Risk Identification Report
  - C Acronyms and Glossary
  - D Background Information



# **Executive Summary**

#### **Executive Summary**



November may be characterized as a BES replanning month.

- The ASI is working on a Root Cause Analysis (RCA) for this latest schedule delay to inform project changes and reduce the risk of
  future project issues and delays. The ASI planned to release an RCA report to DHS on 11/29, but it has been delayed as they
  incorporate DHS feedback.
- The ASI and DHS collaborated on a list of Change Requests (CRs) for critical functionality that must be developed for BES to meet the State's business requirements. Discussions and final agreements are expected to be completed in December. DHS has approved the ASI's estimates for adding the work in the CRs to the project and is waiting for the ASI to finalize a revised schedule.
- DHS stopped User Acceptance Testing on November 15th with 297 unresolved defects. This was done to avoid unnecessary rework
  by the DHS team. DHS and IV&V look for a specific plan from the ASI for defect resolution, including the timing for this work. Adding
  new functionality to a code base with inherent bugs could delay both development and testing; therefore, addressing these open
  UAT defects as soon as possible would be beneficial to the project.
- The ASI indicated that Organizational Change Management and Training activities paused their work due to the Pilot go-live date being replanned. While the ASI and DHS continue to work on Project tasks and activities, it is IV&V understanding it is only the above areas that are experiencing a 'pause'.
- The ASI proposed changing the BES Software Development Methodology from Agile to a more traditional Waterfall approach. It remains unclear how this will impact the BES contract and project. This decision must be finalized as it will directly impact the required tasks and timing in the revised schedule.

IV&V recommends that the ASI and DHS continue to work on organizational change management (OCM) to maintain the State's enthusiasm and support for the BES solution.

Sept	Oct	Nov	Category	IV&V Observations
H	H	Н	Project Management	The ASI presented DHS the Preliminary Impact Analysis (PIA) for the DHS-requested Change Requests (CRs) for additional scope in the BES solution. An additional CR was requested by DHS, which needs to be evaluated by the ASI. Once DHS has approved all the CRs that will be part of the BES solution, the revised schedule can be completed for DHS review and approval.

## **Executive Summary**

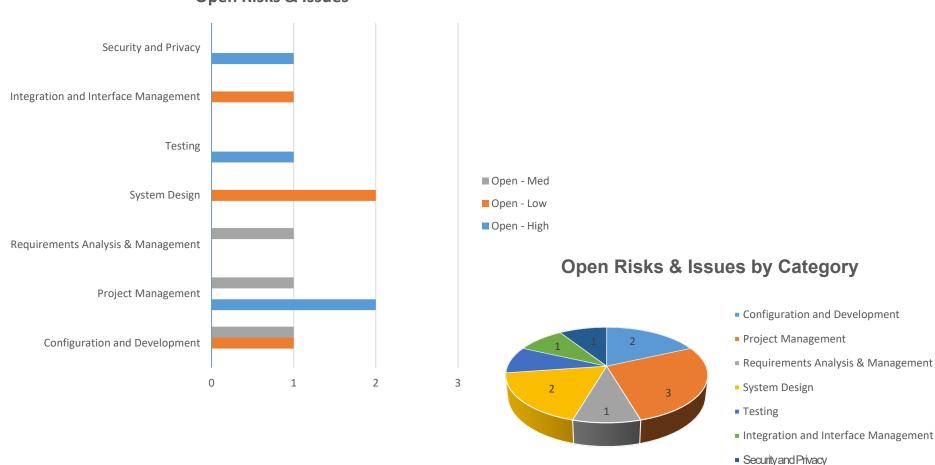


Sept	Oct	Nov	Category	IV&V Observations	
L	L	L	System Design	The ASI has recommended that the Project move from Agile to a Waterfall methodology to complete the BES Solution. Once DHS decides on the methodology, the ASI can complete the draft schedule for DHS review and approval.	
M	M	M	Configuration and Development	develop improved unit test cases. The development effort to resolve defects from UAT has	
L	L	L	Integration and Interface Management	The ASI continued to document a process for testing with interface partners without using ASI generated data, which was originally targeted to complete on 11/29/2024.	
Н	Н	Н	Testing	UAT testing was stopped on November 15 <sup>th</sup> , as requested by DHS, with 279 defects left to be resolved, and 232 test cases in a failed status.	
Н	Н	Н	Security and Privacy	The ASI patching of non-production environments, with the eventual implementation in the production environment, will remediate many critical and high findings in the Plan of Action and Milestones (POAM) from the Social Security Administration (SSA) assessment.	
M	M	M	Requirements Analysis & Management	A requested demonstration is scheduled for December 5 <sup>th</sup> for the ASI to show how the current Requirements Traceability Matrix (RTM) can confirm that all contractual requirements have been developed and tested successfully.	



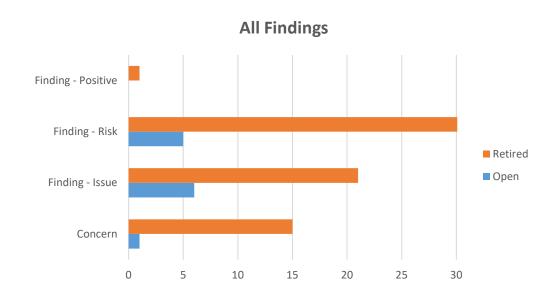
As of the October 2024 reporting period, PCG is tracking 11 open findings (5 risks, 6 issues) and has retired a total of 76 findings. Of the 11 open findings, 4 are High, 3 are Medium, and 4 are Low.







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





#### Findings Retired During the Reporting Period

;	#	Finding	Category
		None	



# Preliminary Concerns Investigated 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.  This finding will be reevaluated by the IV&V team after the project team completes the replanning and determines the approach, requirements/functionality, and schedule for the Pilot and Statewide rollout.	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.  DHS verbally expressed concerns on the status of the Data Conversion process and IV&V shares this same concern. There are inconsistencies regarding the status on the number of data fields remaining to be mapped and converted (ASI status Report and Data Conversion Artifacts). Questions raised by IV&V to the Data Conversion team on 10/24/2024 have not been answered as of 11/25/2024. FAT test results indicated 26 FAT Data Conversion Defects remain outstanding as of 11/25/2024. DHS approved several Change Requests this month and it is not known if all changes included an evaluation of the impact to the Data Conversion process.  The ASI and DHS are currently replanning the remainder of the BES Implementation Project. IV&V will continue to discuss this finding with DHS and the ASI to ensure there is a clear understanding on the actual status of the Data Conversion process to determine if there is a	Data Management and Conversion



#### Findings Opened During the Reporting Period

#	Finding	Category
	None	



#### **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 ASI has indicated that a revised project schedule will be provided to DHS and IV&V for review by the second week of December. DHS and the ASI came to an agreement on Change Requests (CRs) that will be included in the BES solution. This CR planning needs to be finalized to complete the schedule.	Н

R	ecommendations	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.	New



#### **Project Management**

#	Key Findings	Criticality Rating
88	Risk – Implementing a Core Solution for go-live carries inherent risks that may impact overall Project success and reduce user adoption.  The ASI and DHS have agreed to increase the scope of the Pilot release to include some DHS-determined critical functionality. IV&V will continue to evaluate the impact of these additions to the project to determine if the risk of this finding has been mitigated.	M

Recommendations	
<ul> <li>Increase OCM efforts to effectively manage user, general public, and legislative expectations for the BES version at go-live.</li> </ul>	In Process
<ul> <li>Prioritize feedback from users and FNS to ensure the solution meets their core needs and so users are clear on what features they are, and are not, getting.</li> </ul>	In Process
<ul> <li>Actively monitor, assess, and address potential challenges throughout the development process including code quality, cutting scope to meet development milestones, insufficient user validation of demonstrated functionality, and fully defined workarounds to accommodate for the missing functionality.</li> </ul>	In Process
<ul> <li>Actively monitor UAT and Pilot feedback and track users' biggest pain points. Pain points can then be prioritized based on negative impact and project leadership can decide if fixing or changing poor designs can be implemented prior to go-live.</li> </ul>	In Process



#### **Project Management**

	Key Findings	Criticality Rating
	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.	
89	The project team has announced further delays in the dates for Pilot and Go-Live and agreed to combine BES 1.0 and BES 1.1 into one release. Based on the 10/30/2024 project status meeting, the development for Epic 203 (Report Viewing and On-demand Submission) has been delayed, and the due date has been changed from 10/4/2024 to 1/14/2025. The due date for Epic 243 (Reports – Priority 2, Set #1) and Epic 244 (Reports – Priority 2, Set #2) has been updated from 10/4/2024 to 11/1/2024. IV&V expresses concerns that the upcoming new schedule may retain or increase concurrent testing activities, making it challenging to manage resources and coordinate multiple tasks simultaneously. This may compromise the project's ability to complete testing and other essential activities, ultimately impacting the Pilot and statewide Go-Live dates.	Н

Recommendations	Progress
Develop Contingency Plans if the mitigation plan continues to see slippage affecting INT and SIT.	In Process
<ul> <li>The ASI validates that development and testing resources have sufficient bandwidth to complete overlapping assigned responsibilities</li> </ul>	In Process



#### System Design

#	Key Findings	Criticality Rating
86	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.	
	This finding will be reevaluated by the IV&V team after the project team completes the replanning and determines the approach, requirements/functionality, and schedule for the Pilot and Statewide rollout.	

Recommendations	Progress
<ul> <li>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.</li> </ul>	In Process
<ul> <li>Improve rigor in the Design process by verifying all impacted policy and DHS SMEs are involved and approve the design to avoid extensive defects and gaps in functionality that may trigger the need for a change request.</li> </ul>	Not Started



#### System Design

#	Key Findings	Criticality Rating
73	Risk – The planned BES infrastructure is complex which could be difficult to implement and maintain and could lead to schedule/cost impacts.  This finding will be reevaluated by the IV&V team after the project team completes the replanning and determines the approach, requirements/functionality, and schedule for the Pilot and Statewide rollout	L

Recommendations	Progress
<ul> <li>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.</li> </ul>	In Process
The project team work to establish strong governance over the utilization and maintenance of various tools/components.	In Process
<ul> <li>ASI allot time in the schedule to conduct proof of concepts to assure infrastructure components work as expected.</li> </ul>	In Process
<ul> <li>ASI maintain a detailed schedule for DevOps implementation tasks to avoid unexpected delays that could delay project milestones and the critical path.</li> </ul>	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.	
70	This finding will be reevaluated by the IV&V team after the project team completes the replanning and determines the approach, requirements/functionality, and schedule for the Pilot and Statewide rollout.	

Recommendations	Progress
<ul> <li>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.</li> </ul>	In Process
<ul> <li>ASI validate plans for configuration management with DHS and agree on a meaningful set of configuration items or settings they will track.</li> </ul>	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 continues to struggle with a high number of defects, which frustrates and creates more work for DHS UAT testers. Because of this, DHS has elected to closeout UAT testing for the time being.	M

Recommendations	Progress
<ul> <li>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.</li> </ul>	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
<ul> <li>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.</li> </ul>	In Process
The ASI should consider enhancing the depth of developer unit testing.	In Process



#### 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.  This finding will be reevaluated by the IV&V team after the project team completes the replanning and determines the approach, requirements/functionality, and schedule for the Pilot and Statewide rollout.	L

Recommendations	
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
<ul> <li>Test data fields for system impacts resulting from data that is poorly formatted, out of range, or other unexpected data transmission errors.</li> </ul>	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	The recent UAT testing cycle ended, but did not complete, on November 15, 2024, with a total of 95 failed test cases in the real-time environment and 137 failed test cases in the time travel environment. There was a total of 279 unresolved defects, which raised concerns about the overall stability and reliability of the system. The IV&V team is concerned that introducing new functionality on top of the current unstable system may lead to further project delays or failure. While the ASI has committed to resolving the outstanding defects, the IV&V team has added a recommendation on the testing approach.	Н

Recommendations	Progress
<ul> <li>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).</li> </ul>	In Progress
<ul> <li>ASI assesses the potential impact of the large number of unresolved defects on future development efforts, ensuring a more robust and efficient development process.</li> </ul>	In Progress
<ul> <li>ASI develop and implement a revised testing approach to improve the completeness and thoroughness of future testing cycles.</li> </ul>	New



#### 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).	
	In November, the ASI:	
	Completed three policies for DHS and turned them over to DHS for the editing and approval process.	
82	Continued to update the implementation statements in the main body of the System Security Plan.	Н
	<ul> <li>Began patching of "Spring Boot" in lower environments. As the patch reaches the production environment, it is expected to remediate many critical and high-finding POAMs.</li> </ul>	
	IV&V is concerned with the amount of work outstanding and the resources available to do the work.	
	Additionally, DHS received the final report from the SSA on their assessment earlier this year.	

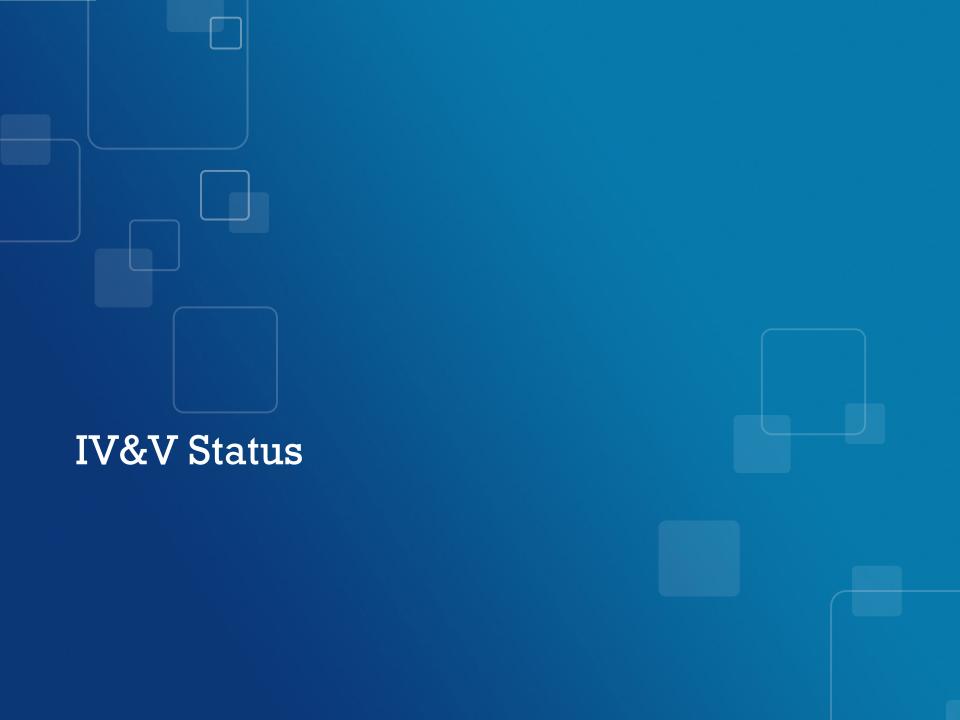
Recommendations	Progress
Collaborate and communicate with SSP authors about when reliable and correct documentation will be available.	In Process
<ul> <li>Include the Secure Enclave within the work breakdown structure along with the known tasks related to the IRS Assessment to continue receiving FTI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



Requirements Analysis & Management

#	Key Findings	Criticality Rating
	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	Both DHS and IV&V share the same concern that the current set of RTM reports does not provide the functionality needed to validate that contractual requirements have been developed and tested in the current BES solution. IV&V reached out to the ASI requesting a demonstration of how the RTM validates that contractual requirements have been met. A meeting is scheduled for December 5th with DHS, the ASI, and IV&V.	M

Recommendations	Progress
<ul> <li>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".</li> </ul>	In Process
<ul> <li>Ensure test scripts thoroughly and comprehensively test the system to assure each requirement has been fully met.</li> </ul>	In Process



## IV&V Engagement Status



IV&V Engagement Area	Sep	Oct	Nov	Comments
IV&V Budget				
IV&V Schedule				
IV&V Deliverables				PCG submitted the final October IV&V Monthly Status Report.
IV&V Staffing				Added Scott Morrill to project.
IV&V Scope				

		Engagement Status Legend	
withi	engagement area is n acceptable meters.	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 November reporting period:
  - Completed October 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 December 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

#### **Deliverables Reviewed**



Deliverable Name	Deliverable Date	Version
BI-22b Release 0.12 UAT Evaluation Report	11/20/2024	1.0

## 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:**

1.IV&V Team Meeting - 11/04/2024, 11/07/2024, 11/12/2024, 11/14/2024, 11/18/2024, 11/21/2024, 11/25/2024

2.IV&V/ASI September Pre-draft Review - 11/07/2024

3.HI DHS BES October Draft IV&V Report Review - 11/15/2024

4.Bi-Weekly DHS BES PMO/IV&V Check-in - 11/07/2024, 11/21/2024

5.Bi-Weekly DHS and IV&V Touch Base – 11/12/2024, 11/26/2024

6. Weekly BES Infrastructure meeting – 11/1/2024, 11/08/2024, 11/15/2024, 11/22/2024

7. Weekly Client BES 2023 Project Status Meeting – 11/06/2024, 11/18/2024

8. Security Touchpoint - 11/20/2024, 11/27/2024

9.(Externa(I) Weekly Interfaces Touchpoint - 11/04/2024, 11/18/2024, 11/25/2024

10.(External) Bi-weekly BES CCB Meeting – 11/13/2024, 11/14/2024

11.(External) C!A Current Weekly Checkpoint- 11/12/2024

12.eWorld/IV&V Mid-Month Check-in - 11/22/2024

13.(External) BES: FNS Connect – 11/07/2024

14.(External) BES Batch Discussion Meeting – 11/14/2024

15.(External) BES M&O Project Status Meeting – 11/18/2024

16.(External) BES Snow Touchpoint - 11/20/2024

17.(External) BES FAT Daily Touchpoint – 11/01/2024 – 11/15/2024 (daily call)

18.(External) BES FAT Daily Defect Status Meeting – 11/01/2024 – 11/15/2024 (daily call)





## 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
- Data Management and Conversion

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

#### Ending Slide



**Solutions that Matter** 

Part	Floring	Identified					Analus	Finding			
	ID Title Reporter Type	Date Category	Observation	Significance	Recommendation	Event Horizon Impact	Probability Priorit	y Status	Status Update	Client Comments	Vendor Comments
Separate properties and the se						Now	3 2 Med	Open			12-11-2024
with the property of the prope	new Change Requests to Data Conversion	and conversion	regarding the status on the number of data fields remaining to be mapped	business processes. Policy changes have likely occurred over the last few							Whom from DHS is
September 1982 1983 1984 1984 1985 1985 1985 1985 1985 1985 1985 1985	may create a risk to the BES Project causing		and converted (ASI status Report and Data Conversion Artifacts). Question	s years where there may be impact on how data is accessed, processed and							verbally expressing
Service of the control of the contro	schedule and/or budget challenges.		answered as of 11/25/2024 FAT test results indicated 26 FAT Data	used to accurately and consistently determine eligibility and benefit issuance. It is critical that data conversion accurately and consistently							concerns? Is Trisha
Part			Conversion Defects remain outstanding as of 11/25/2024. DHS approved	transform the data, augment default values for new fields along with							Inafuku part or
Part			several Change Requests this month and it is not known if all changes	validation logic for any data interdependencies.							consulted of these
Property of the property of th			ASI and DHS are currently replanning the remainder of the BES								intimate with the data
with the property of the prope			Implementation Project. IV&V will continue to discuss this finding with DH	s							conversion
Part											
Series and the series			BES Project.								disconnects with
Part											unanswered IV&V
Part											
Separate services and services											
Part											it:There was an email
Part											from IV&V on October 23 but it was
Service servic											addressed to Cary Ho
Service servic											regarding
Part											
Note   1											
The property of the property o											Reynolds) on October 24 and October
In the content of the	98 Delays in providing the required deliverables Molina, Brad Concern		Not all the documents that FNS is required to review have been provided. In	The BES pilot cannot start without FNS's concurrence. Therefore, it's critical		now	3 3 NA	Open			2.000
Part		Management	the weekly Readiness meeting on 7/23, it was mentioned that FNS is at its	the project team deliver the required deliverables to FNS as soon as possible						_	
Part			review to take the full 60 days. The longer DHS delays getting deliverables t	to					09/30/20204 - The status of this preliminary concern will be reevaluated b		
Part			FNS, the closer it gets to the planned start for Pilot.						the IVV team after the project team determines the approach,		
Part									requirements/functionality and schedule for the Pilot and Statewide rollou	t.	
In the part of the	94 The lack of an effective way to validate BES Molina, Brad Finding -			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		et	
Part				SIT completion. DHS may be unable to make an informed decision on SIT exi	t effective way to map contract requirements to passed test cases, and, per						
Part	and unrunned user needs if DHS later identifies unmet contractual requirements.	Management	associating each requirement with passed test case(s). However, the approved project schedule shows the RTM completed on 6/26/24 which	criteria. Inis could lead to DHS starting Final Acceptance Testing (FAT) and then realizing that not all requirements have been fully met reculting in	the BI-19 (complete and Final Test Plan), "Maps the implementation, functional and technical requirements to the test cases and test scripts" .				contractual requirements have been developed and tested in the current BES solution. IVV reached out to the ASI requesting a demonstration of hos	w	
Part			falls after the Core SIT exit decision on 5/10/24. The ASI provided the BI-22	a delays.	Ensure test scripts thoroughly and comprehensively test the system to				the RTM validates that contractual requirements have been met. A meeting		provided prior to FAT.
Part			System Integrity Review Tool (SIRT) to DHS on April 26, 2024, but withdrew		assure each requirement has been fully met.				is scheduled for December 5th with DHS, the ASI, and IVV. 10/31/2024 -		
Part			use universitie due to DHS concerns. This BI-22a deliverable may help DHS validate requirements.						completes the contaming and determines the approach		7/12/2024
Part			and the same of th						requirements/functionality, and schedule for the Pilot and Statewide rollou	ıt.	
Part									09/30/2024 -The ASI did demonstrate some progress in providing a set of		
Part									RTM reports that match the approved Deliverable Expectations Document		worth noting but
Part									confirm all expected contractual requirements for approved Epics have been	en	an "Interim" BI-21
Part									developed and tested successfully. With more scope being added as part of	of .	
Part									new project direction, it continues to be critical that DHS is provided an RT to confirm requirements are met. 09/21/2024 - As of the end of the	М	requirement criteria for entering into RES
Part									reporting period, the ASI had not provided the comprehensive Requiremen	ts	1.0 FAT.
Part									Traceability Matrix for BES 1.0 based on the Deliverable Expectation		
Part									Document (DED), only an interim version, prior to the start of FAT testing.		05/14/2024
Part											00/14/2024
Separate of the control of the contr									live for Pilot. 7/31/2024 - Discussions were held throughout July regarding	3	
The state of displaced or financial and displace											
The state of the first of planed in claims of the state of planed									Traceability Matrix deliverable for DHS review and approval. IVV remains		discussed multiple
To the table of places and white the first produces to the places of places and the pl									concerned that the delay in finalizing the RTM may lead to requirements		times at the bi-weekly
2 m of the production and the pr											
Surf, Control, and position this position this position this position the position this position the position that provided before the position that the position that provided before the position that the position that provided before the position that the position that the position that provided before the position that the positio		4/29/2024 Integration and	Aside from the functional testing accomplished during epic testing, specific	This testing is essential before initial deployment to prevent unexpected and	In Process 1. API interfaces should be tested for failure conditions during	2024 2nd Qtr	3 2 Low	Open	10/31/2024 - This finding will be reevaluated by the IVV team after the		
Tenne, Long-land and production, and department of the final formation, and department of the control production, and department of the control production of the control prod			data flow testing is usually part of an interface definition.	difficult to resolve issues, such as scrambled or missing data – or the system	n connection and transfer operations. 3. FTP and file interfaces should be				project team completes the replanning and determines the approach,	_	06/14/2024
In the facility and professor errors    Part   Part	format boundaries and dependencies	Management		may have a rault or exception. Since the Project has not established and tested the fault scenarios, we do not know how the system may react	resulting from data and file integrity. 4. Test data fields for system impacts				requirements/functionality, and schedule for the Priot and Statewide rollou 09/30/2024 - The 7 interfaces used in the planned Pilot release RFS1.0	it.	As mentioned at the
Re Controlle Special Controlle	These failures may result in intermittent and			, , , , , , , , , , , , , , , , , , , ,	unexpected data transmission errors. Removed 2. (n/a, no transactional				have been completed. However, the other 12 releases required for the		May pre-meet, a
see that the second of the manual, seep that of the manual seep that of the seep that of the manual seep that of the seed that the seed that of the seed that	hard-to-isolate problems or errors				interfaces therefore no race conditions] API interfaces should be tested for				statewide release, BES1.1, will be required with the revised approach to		
For committed growing and the complete of the management of the state					tested for format, length, or other physical formatting errors.	•			are completed. 08/22/2024 - All tests except those related to the Wells		to address PCG's
complete for the segment of the regiment of th									Earns I soldhow interface have been completed. There reven tests require		recommendations for
For current grown to completing the format of the first state of the f									initiating a new service ticket with Wells Fargo. Tests are expected to be		this finding.5/11/2024
Fig. 1. The current approach to completing from East, but the secondary of the product and the transfer to transpose the completing from East, but the secondary of the product and the transpose the completing from East, but the secondary of the product and the sec									has prepared the test scripts for the 12 interfaces included in the Pilot		
es de la completa plan de la particular de la completa plan de la completa de la completa plan de la completa plan de la completa plan de la completa del completa de la completa del completa de la completa del completa de la completa del completa de la completa del comple									release. This first round of test scripts reside in the Jira tool and are being		
The current agreach to completing the design standard of the current agreach to completing the design standard to complete the finding of the standard to complete the									executed to be complete by mid-July. The Office of Information Technology		
The current approach to completing the fire presenting organics completing the fire presenting organics to completing the presentance of the presenting organics to completing the presentance of the presentance or presentation or presentat									The ASI and DHS continue to define the interface test approaches. Technical	- al	
The far current agreeach to completing the facility flower for the facility flower flo											PCG's
## For current approach to completing the for current approach to curren									discussed in June.		recommendations for this finding.
development of the meanuring spix is tout be management of the meanuring spix is completed expectable, which may be completed and spike of the production of the 100 pt 200 pt 20			- (1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1					_			
Increase th listilhood of schedule delay, development that was entended two weeks from the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has produced and date has been detailed.  ### Separation of the scheduled and date has been detailed.  ### Separation of the scheduled and date has been detailed.  ### Separation of the scheduled and date has produced and date has been detailed.  ### Separation of the scheduled and date has produced and date has been detailed.  ### Separation of the scheduled and date has produced and date has been date and scheduled.  ### Separation of the scheduled and date ha			ren or the Epics scheduled for completion before Release 0.12 SIT will not	Overlapping development and testing introduces potential quality issues.	UPEN - The ASI validates that development and testing resources have	NOW	4 5 High	Open	11/21/2024—The project team has announced further delays in the dates for Pilot and Golding and agreed to combine BES 1.0 and BES 1.1 inc.		12/11/2024
Increase th listilhood of schedule delay, development that was entended two weeks from the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has production environment.  ### Separation of the scheduled and date has produced and date has been detailed.  ### Separation of the scheduled and date has been detailed.  ### Separation of the scheduled and date has been detailed.  ### Separation of the scheduled and date has produced and date has been detailed.  ### Separation of the scheduled and date has produced and date has been detailed.  ### Separation of the scheduled and date has produced and date has been date and scheduled.  ### Separation of the scheduled and date ha	condensed and aggressive, which may	wanage-nent	the 10 Epics and test them as they are completed. Additionally, Release 0.1	2 may increase the risk of significant delays or introduce defects into the	Develop Contingency Plans if the mitigation plan continues to see slippage				release. Based on the 10/30/2024 project status meeting, the development	t	Regarding "IV&V
evaluate if Epic entering IT in emplit require retenting functionally that had already here that (closes 66(6) (1294)—The AST release and setaled of the Ast already here than (1294)—The AST release and setaled of the Ast already here than (1294)—The AST release and setaled of the Ast already here than (1294)—The AST release and setaled of the Ast already here than (1294)—The AST release and setaled of the Ast already here than (1294)—The AST release and the AsT release and the Ast already here than (1294)—The AST release and the AsT release and the AsT rel	increase the likelihood of schedule delays,		development that was extended two weeks from the scheduled end date is	as production environment.	affecting INT and SIT. CLOSED - The plan to complete BES implementation				for Epic 203 (Report Viewing and On-demand Submission) has been		expresses concerns
had always been tested. (Cond. 600/12/204) - The Air Traineas detailed school (Ripports - Friently 2, 54.22) has been updated from 104/2024 to school and events. (In the Condition of the Condit			peen extended for another ten business days.							5.	
start for each epic covered in the miligation plan. (chanded (6/10/2024)—The All proceles. The Teach and ST Extensive Chinomycells Epic to Division of the control of the c					had already been tested. (closed 06/01/2024) - The ASI release a detailed				(Reports - Priority 2, Set #2) has been updated from 10/4/2024 to		retain or increase
start for each epic covered in the miligation plan. (chanded (6/10/2024)—The All proceles. The Teach and ST Extensive Chinomycells Epic to Division of the control of the c					schedule of events, including development completion, INT start, and SIT				11/1/2024. N&V expresses concerns that the upcoming new schedule may		concurrent activities,
review/gaproal shade of the recentual comproments the based on the recentual what AS delimented to DRS, 2017/12/20 (AUCTILL) Develop a Black and project s ability to complete testing and other excentual what AS delimented to DRS, 2017/12/20 (AUCTILL) Develop a Black and project s ability to complete testing and other excentual and project s and the second of the s						,			retain or increase concurrent testing activities, making it challenging to		making it challenging to manage and
what do delivered to Dots, SURJANDE AND CALLELLY DELIVERATION AND CALLELLY DELIVERATION AND CALLELLY DELIVERATION AND CALLELLY DELIVERATION AND CALLELY DELIVERATION AND CA					review/approval ahead of SIT execution. (Removed comprehensive based of	1			compromise the project's ability to complete testing and other essential		coordinate multiple
environments, multiple code bases and versioning within and across.  for File Atlas Based on the part (Sappe Seption Bases Septi					what ASI delivered to DHS, 10/31/2024) CANCELED - Develop a Risk				activities, ultimately impacting the Pilot and statewide Go-Live dates		tasks simultaneously."
release. Based on the 10/00/2024 project status meeting, the development solution on the second status of the 10/00/2024 project status meeting, the development solution of the second status of the 10/00/2024 project status meeting, the development solution of the 10/00/2024 project status of the					Mitigation Plan to address challenges of managing multiple test				10/31/2024 - The project team has announced further delays in the dates for Pilot and Golding and agreed to combine RES 1.0 and RES 1.1 into one		there are and always will be concurrent
for Epic 20 Rightor Vesicities and Chommand Scholar					Releases.				release. Based on the 10/30/2024 project status meeting, the development	t	activities on the
The deed start joint 2, 24 il Reports — Provided for the Committee of the									for Epic 203 (Report Viewing and On-demand Submission) has been		project schedule.
(Reports—Friendly special pala between buddent from 1014/2005 to should make a self-defect of the 11/1000 from 1014/2005 to should make a self-defect of the 11/1000 from 1014/2005 to should make a post of the 11/1000 from 1014									delayed, and the due date has been changed from 10/4/2024 to 1/14/2029.	5.	
retain on cross concurrent services, making it not improve manage and control Resources?  control are managed and control are services and control									(Reports - Priority 2, Set #2) has been updated from 10/4/2024 to		should that be added
coordinate multiplic catalas instrututionary of the insurance and insura									11/1/2024. NV expresses concerns that the upcoming new schedule may		to provide more
prijects a bling to complete testing and resident al certificies, ultimately activities? Correct prings the Priling and Exercised Co-Live dates. 97(3)-70(224- the project project print of the Print of									retain or increase concurrent activities, making it challenging to manage an	na .	context? Resources? Conflicting concurrent
impacting the princut and statewisds Cod - John design 5-1/3/2024- Yet project sequencing of these the princut of state of the principle of th									project's ability to complete testing and other essential activities, ultimately	у	activities? Correct
review go live date. The discrete caste and resource for the fact stated and resource for the discrete casted and resource for the discrete for the									imparting the Pilot and statewide Go-I ive dates 9/30/2024. The project		
significant volume of defects, code quality issues, development delays, and project schedule? Et									nas recently announced additional go-live delays but have yet to provide a revised go-live date. The SI has stated reasons for the delay include.		
DHS needing more time to complete their FAT testing. As of the last project 11/13/2024									significant volume of defects, code quality issues, development delays, and		project schedule? Etc.
									DHS needing more time to complete their FAT testing. As of the last project	t	11/13/2024

1

	Finding Penarter Type	Identified Category	Observation	Significance	Becommondation Super Mariana	Impact Brobab	Analyst billing Priority	Finding	Status Hodata Client Comments	Vand
88 Implementing a Core Solution for go-live	Molina, Brad Finding -	11/30/2023 Project	The project has elected to implement a Core Solution at go-live to meet their	Going live with a limited version of a software product entails inherent risks,	OPEN • Increase OCM efforts to effectively manage user, general public, and Now	3	3 Med	Open	11/30/2024 - The ASI and DHS have agreed to increase the scope of the Pilot	Veno
carries inherent risks that may impact	Risk	Management	stated timeline. This version is generally referred to in Agile software development as a Minimum Viable Product (MVP), which is a simplified	such as potential challenges in securing user buy-in. This can result in limited user adoption, user dissatisfaction, and negative publicity,	legislative expectations for the BES version at go-live.   Prioritize feedback				release to include some DHS determined critical functionality. IVV will	
overall project success and reduce user adoption.			development as a Minimum Viable Product (MVP), which is a simplified version of a product that 1) offers functionality that meets the core needs of	limited user adoption, user dissatisfaction, and negative publicity,	from users and FNS to ensure the solution meets their core needs and so users are clear on what features they are, and are not, getting. • Actively				continue to evaluate the impact of these additions to the project to determine if the risk of this finding has been mitigated. 10/31/2024 - This	04/3
adoption.			version of a product that 1) offers functionality that meets the core needs of	particularly considering the financial investment made for the delivery of limited functionality. A compressed timeline may compromise the quality of	users are clear on what features they are, and are not, getting. • Actively				determine if the risk of this finding has been mitigated. 10/31/2024 - This finding will be reevaluated by the IVV team after the project team completes	04/3 "Som
				designs, user interface sophistication, and lead to an uptick in software bugs	development process including code quality, cutting scope to meet				the replanning and determines the approach, requirements/functionality,	functi
				and suboptimal code. Further, this approach may expose the project to	development milestones, insufficient user validation of demonstrated				and schedule for the Pilot and Statewide rollout 9/30/2024 - Without an	imple
					functionality, and fully defined workarounds to accommodate for the missing functionality. • Actively monitor UAT and Pilot feedback and track				RTM, there is ambiguity on the ASI presented enhancements and critical functionality list developed by DHS as compared to the contract	Pilot."
				with their standards and delay the go-live date. Misalignment between	missing functionality. • Actively monitor UAI and Pilot feedback and track users' biggest pain points. Pain points can then be prioritized based on				requirements. IVV recognizes the project is almost 6 years old, meaning	mean the in
				stakeholder expectations and the Core Solution may lead to dissatisfaction	negative impact and project leadership can decide if fixing or changing poor				policy and business operations has changed which may drive the need for	updat
				or a lack of support for the project and could negatively impact future	designs can be implemented prior to go-live. COMPLETE CLOSED • DHS				enhancements. However, these lists should be validated and negotiated by	
				project funding requests. Implementing a limited Core Solution typically requires the customer to implement multiple workarounds until automated	carefully assess whether the advantages of a timely release outweigh the				DHS and ASI to ensure DHS does not pay for functionality twice.  8/30/2024 - DHS continues to emphasize the need for workouts to be	"Per t plan,
				features can be built into the system. Users could become impatient if these					documented and incorporated into training, with a plan to update	imple
				features are further delayed when bug fixes and other features take	and buy-in. (06/30/2024)				documentation as defects are resolved to enable pilot workers to be most	functi
				precedence. Others may lose confidence that the features or system					effective. 7/31/2024 - DHS and the ASI continue to document and develop	multi
				improvements will ever be implemented. Going live with a solution that is missing functionality that stakeholders were expecting typically requires an					workarounds in preparation for Pilot. There are now two workaround areas;  1) known gaps in functionality and 2) defects discovered during testing that	(Pilot, States
				increase in OCM efforts both by the ASI and DHS staff to temper					will not be addressed prior to Pilot. Additionally, planning is ongoing for	23 - A
				stakeholders' reactions to a system with limited functionality.					incorporating these workgrounds into the training process, 6/20/24 - Per	addre
									DHS's request, the ASI is currently developing a list of workarounds to address known gaps in BES 1.0 functionality. 5/23/24 - No material update.	Camp
									4/30/2024 - No material update: 03/30/24 - The ASI's Go to Green plan and	reflec
									project schedule were approved by DHS. Per the Go to Green plan, some	"In Pr
									required BES functionality will be implemented post-Pilot. This may create	
									unplanned workarounds and rework as the full impact of this approach	
86 Limited collaboration between the ASI and	Molina Brad Finding -	8/1/2023 System Design	During the UAT process for release 11, there has been a high level of	A significant amount of money and DHS resource time have been invested in	OPEN - Perform Sprint and Epic demos in alignment with development Now	2	2 Inw	Open	becomes known through testing and training. 02/29/24 - The ASI drafted a 11/30/2024 - This finding will be reevaluated by the IVV team after the 10/11/2023 Jessics	a - Our SMEs are providing their feedback. This is one of
DHS in the design process could lead to BES	S Issue	-,-,	concerns raised by the DHS testers regarding the usability of the BES system,	the BES solution, with the expectation that the new system will at minimum	sprint completion (demo functionality/requirements as they are developed)				project team completes the replanning and determines the approach, the items that I clar	ified with IV&V, that there are feedback given, no
usability issues and functionality gaps in the	ie		challenges with the user interface, missing functionality, and basic screen	provide all functionality found in current applications – but really should	to get early feedback on work products Improve rigor in the Design				requirements/functionality, and schedule for the Pilot and Statewide rollout. feedback means de-	sign is ok. I rec'd an emal back from Joe F. that IV&V 11/13
applications, not meeting critical business needs for DHS and State clients.			layout issues that would not be expected in a modern application. Based on	provide additional capabilities, greatly enhanced user interface, and overall	process by verifying all impacted policy and DHS SMEs are involved and				10/31/2024 - This finding will be reevaluated by the IVV team after the wants to meet with	our reviewer to validate this. For no
neeus ruf DHS and State clients.			defect reporting from the UAT process, a large majority of the defects are related to "design errors". Although the Release 11 UAT cycle was testing a	expectations, there may be challenges in DHS staff adoption: lack of	approve the design to avoid extensive defects and gaps in functionality that may trigger the need for a change request CLOSED - ASI and DHS re-				project team completes the replanning and determines the approach, requirements/functionality, and schedule for the Pilot and Statewide rollout	repor plans
			partially build system, a significant amount of design defects was	confidence in the solution providing the accurate information needed to	evaluate the effectiveness of the recorded Sprint review process to ensure				09/30/2024 - No material update in this reporting period. 8/30/2024 -	water
			attributable to functionality developed for Release 11.	provide benefits to HI citizens; reduction in ability for DHS to provide the	that designs align with DHS expectations. (closed 3/31/2024) - Include a				Design activity was minimal in the reporting period, with DHS reviewing the	once
				same level of needed services to clients, resulting in bad publicity for DHS	wide enough audience in all design and demo sessions to validate FNS and				final Self Service Portal (SSP) designs. IVV continues to monitor design	decisi
				and the state.	DHS functional and technical requirements and system usability. (closed 6/14/2024) - Perform comprehensive (demo all requirements) review				activities to validate continued collaboration between the ASI and DHS.  7/31/2024 - IVV observed positive progress this month with the ASI	appro will n
					during Epic demos, not just the items that were added/updated, allowing				providing specific actions to address DHS concerns regarding the Mass	sprint
					DHS to provide early feedback on possible issues/gaps that might not be				Change Functionality (Epic 208). 6/31/2024 - IVV observed DHS and the ASI	movir
					apparent when focusing on specific functionality. (closed 6/14/2024)				working collaboratively in a setting that promoted healthy dialogue on the BES design therefore, the criticality rating is updated from a medium to low.	06/14
									BES design therefore, the criticality rating is updated from a medium to low.  05/30/2024 – The ASI plans to continue live Sprint Demos for the remaining	Why i
									Epic design work, providing a venue to increase collaboration with DHS. The	Starte
									SSP development will follow the Waterfall methodology, so no sprints or	sprint
									demos will occur. 04/30/2024 - IVV commends the ASI and DHS team for	209.1
									reverting to conducting four live sprint demos in support of Epic 209. These	shoul
									proved to enable timely, efficient collaboration. 03/31/2024 - Due to a high number of questions and concerns from DHS during Epic demo 261	Epic d
									(Approvals and Supervision), the ASI committed to hosting another demo to	demo
									address all the feedback. Changes raised late in the design process could	Regar
									require code changes, potentially causing schedule delays or the resulting	follow Water
									solution not meeting the business need. DHS staff attending Epic demos should be prepared with an understanding of the agreed-upon designs and	Water
									policy requirements relevant to the Epic so that feedback is efficient and on	has a
	Kalsi, Neetu Finding -	6/2/2023 Testing	After examining the Project's R11 QA Dashboards, R11 Traceability	Identifying defects early is vital for effective testing, as it is more efficient	OPEN - DHS and ASI revisit the testing approach to prioritize completion of UAT	4	4 High	Open	11/26/2024- The recent UAT testing cycle ended, but did not complete, on	
expected progress in testing may result in schedule delays if subsequent test phases	Issue		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	remaining test activities and conduct comprehensive System Integration				November 15, 2024, with a total of 95 failed test cases in the real-time environment and 137 failed test cases in the time travel environment. There	12/11
schedule delays if subsequent test phases uncover a higher volume of defects and use	er.		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	testing (SIT) to minimize defect leakage to User Acceptance Testing (UAT) ASI acceptance the potential impact of the large number of uprecoland defects.				environment and 137 failed test cases in the time travel environment. There was a total of 279 unresolved defects, which raised concerns about the	12/11 Pleas
feedback than initially anticipated.	e		testing the correct use cases. In terms of progress, some test cases or are	extensive and rigorous testing efforts. Insufficient testing coverage or slower	on future development efforts, ensuring a more robust and efficient				overall stability and reliability of the system. The IVV team is concerned that	two p
,			unexecuted, and not all defects have been resolved as the project	than-anticipated progress throughout the project lifecycle increases the risk	development process - ASI develop and implement a revised testing				introducing new functionality on top of the current unstable system may	as the
			commences System Integration Testing (SIT). The ASI has plans to complete	of encountering significant delays, extensions, or the introduction of defects	approach to improve the completeness and thoroughness of future testing				lead to project delays or failure. While ASI has committed to resolving the	an "In
			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 Final Acceptance Testing (FAT).	cycles. CLOSED - The ASI should determine the root cause of the failure to identify simple defects in INT and SIT and implement effective improvement				outstanding defects, the RVV team has added a recommendation on the testing approach. 10/31/2024 – As of October 30, 2024, DHS testers	progr 11/13
				Pinal Acceptance results (PAT).	processes to confirm early testing is adequate before entering UAT/FAT				identified a total of 1618 defects with 373 defects still unresolved.	11/15
					(Closed 4/30/2024) - DHS and ASI monitor INT/SIT closely for both breadth				comprising 123 High Severity, 177 Medium Severity, and 73 low severity	DHS r
					and depth of testing to ensure the system is adequately tested (Closed				defects. The ASI resolved and moved to UAT 175 defects during the two-	appro
					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,				week UAT testing pause. Despite this progress, significant gaps remain. 20% (137/682) of real-time environment test cases and 49% (205/417) of time	to en
					resolve outstanding SI I defects and apply the fixes in the FAI environment, ensuring that these defects do not recur when FAT resumes, optimizing				(137/682) of real-time environment test cases and 49% (205/417) of time travel environment test cases are unresolved. This poses significant risks.	or run
					testing efficiency and reducing potential defect rediscovery. (Closed				potentially compromising system reliability, performance, and quality.	design
					10/30/2024) NOT COMPLETED - The Project team reviews the SIT exit				Unresolved defects and incomplete testing may lead to undiscovered issues.	OPAr
					criteria and revises them as needed to ensure UAT/FAT begins with the best system possible. (3/31/2024) - DHS should request that the ASI develop a				impacting overall system integrity. 9/30/2024 - IVV recognizes the project team's decision to postpone the Pilot and Statewide implementation, and	DHS is
					system possible. (3/31/2024) - DHS should request that the ASI develop a Corrective Action Plan to address the failure of prior test phases (Unit, INT)				team's decision to postpone the Pilot and Statewide implementation, and that DHS and ASI are jointly developing a revised approach and schedule.	proce which
					to capture defects that rolled into SIT (09/26/2024)				Meanwhile, IVV's review of testing trends reveals mixed results. Compared	raisin
									to last month, passed test cases increased 22% in the real-time environment	are ac
									(421 to 513) and 309% in the time travel environment (42 to 172). However, failed test cases remained relatively stable in real-time and rose 51% in the	chang do no
									failed test cases remained relatively stable in real-time and rose 51% in the time travel environment (106 to 160). As of September 25, 2024, DHS	do no expec
									testers identified 948 unique defects, excluding duplicates and user errors.	curre
									Notably, 382 defects (28%) remain open and unresolved, with a concerning	HAWI
					NEW Include the Secure Enclave within the work breakdown structure along Prior to the star	urt of	5 High	Open	severity breakdown consisting of 1 critical. 102 high. 197 medium, and 78 11/27/2024—In November, the ASI: - Completed three policies for DHS and	The to
P. The last of authorized decreases.	Heath Death Flori	4/37/2022 Females *	to April also ACC/COST analysis are also (CCD) analysis in					Upen	11/27/2024—III NOVEMBER, the ASI: - Completed three policies for DHS and	09/9/
82 The lack of technical documentation may lead to incorrect implementation statement	Heath, Dustin Finding -	4/27/2023 Security and Privacy	In April, the ASI/DHS system security plan (SSP) authors began writing implementation statements. Currently, the technical documentation	Once the system architecture and design have been completed, the SSP authors may need to edit or rewrite implementation statements. A full deaft	with the known tasks related to the IRS Assessment to continue receiving FTI. the third-party					
82 The lack of technical documentation may lead to incorrect implementation statement or delay the System Security Plan	Heath, Dustin Finding - sits Issue	4/27/2023 Security and Privacy	implementation statements. Currently, the technical documentation supporting the SSP is unavailable outdated or in a draft form. During April	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	with the known tasks related to the IRS Assessment to continue receiving FTI the third-party in RES. OPEN - Collaborate and communicate with SSP authors about when assessment				turned them over to DHS for the editing and approval process Continued to update the implementation statements in the main body of the System	SSA a
82 The lack of technical documentation may lead to incorrect implementation statement or delay the System Security Plan	Heath, Dustin Finding - its Issue		implementation statements. Currently, the technical documentation supporting the SSP is unavailable outdated or in a draft form. During April	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	with the known tasks related to the IRS Assessment to continue receiving FTI the third-party in RES. OPEN - Collaborate and communicate with SSP authors about when assessment				to update the implementation statements in the main body of the System  Security Plan Began patching of "Spring Boot" in lower environments. As	for tra
82 The lack of technical documentation may lead to incorrect implementation statement or delay the System Security Plan	Heath, Dustin Finding - its Issue		implementation statements. Currently, the technical documentation 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. Implementation statements are currently being written from the perspective.	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	with the known tasks related to the IRS Assessment to continue receiving FTI the third-party in BES. OPEN - Collaborate and communicate with SSP authors about when assessment. reliable and correct documentation will be available. COMPLETE - Determine when the infrastructure design baseline will be completed.				to update the implementation statements in the main body of the System Security Plan Began patching of "Spring Boot" in lower environments. As the patch reaches the production environment, it is expected to remediate	for tra
82 The lack of technical documentation may lead to incorrect implementation statement or delay the System Security Plan	Heath, Dustin Finding - its Issue		implementation statements. Currently, the technical documentation 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. Implementation statements are currently being written from the perspective of how the system should be designed from the SSP author's perspective	authors may need to edit or rewrite implementation statements. A full draft of the SSP is cheduled 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	with the known tasks related to the IRS Assessment to continue receiving FTI the third-party in IRS. DFPI. O'claborate and communicate with SSP submors about when assessment. reliable and correct documentation will be available. CDMPLETE: Determine when the infrastructure design baseline will be completed. (06/39/2024) - Perform a full review of all idraft SSP controls for content				to update the implementation statements in the main body of the System Security Plan Began patching of "Spring Boot" in lower environments. As the patch reaches the production environment, it is expected to remediate many critical and high-finding POAMs. Additionally, DHS received the final	for tr. meeti shoul
82 The lack of technical documentation may lead to incorrect implementation statement or delay the System Security Plan	Heath, Dustin Finding - its Issue		implementation statements. Currently, the technical documentation supporting the SPs is unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decisied on implementation statements are currently being written from the perspective of how the system should be designed from the SSP author's perspective intested of how the system is actually desized. The SSP author is need to intested of how the system is actually desized. The SSP suthors need to	authors may need to edit or rewrite implementation statements. A full draft of the SSP is cheduled 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	with the known tasks related to the IRS Assessment to continue receiving FTI the third-party in IRES. DPEN - Colloborate and communicate with SSP authors about when assessment. reliable and correct documentation will be available. CDMP.ETE: Determine when the infrastructure deepin baseline will be 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.				to update the implementation statements in the main body of the System Security Plan. • Began patching of "Syring Boot" in lower environments. As the patch reaches the production environment, it is expected to remediate many critical and high-finding POAMs. Additionally, DHS received the final report from the SAO in their assessment earlier this year. 10/31/2024 - in	for tr meeti shoul Septe Also,
82 The lack of technical documentation may lead to incorrect implementation statement or delay the System Socurity Plan	Heath, Dustin Finding - its Issue		implementation statements. Currently, the technical documentation 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. Implementation statements are currently being written from the perspective of how the system should be designed from the SSP author's perspective	authors may need to edit or rewrite implementation statements. A full draft of the 559 its scheduled to be published August 15th, 2023, and the filmal 559 (ready for federal partner review) is scheduled for September 15, 2023. The 55% is a large technical document with hundreds of controls and control enhancements, and each one requires an implementation statement of how the control or enhancement has been met.	with the known tasks rolated to the IRS Assessment to continue receiving FTI the bridge arty in IRS. OPEN - Collabora and communicate with 59 authors about when assessment. reliable and correct documentation will be available. COMPATET - Determine when the interacturuse design sealine will be completed. (66/180/2004) - Perform a full review of all ident SPS controls for content and accuracy prior to the start of the hodgened Security Controls Assessment of BES and submission of the SPS package to federal regulators. The wall fails the SPS authors to rouder acrosic, with chances from Besien				to update the implementation statements in the main body of the System Security Plan. – Separation of System Societies of the security Plans – Separation of System Societies or remediate many critical and byte indices of Societies of Societies or remediate many critical and byte indices (SOA). Societies of Societies or remediate many critical and byte indices (SOA) and Societies of Societies of Societies (SOA) and SOA and Societies (SOA) and SOA	for tr meet shoul Septe Also, deter
82 The lack of technical documentation may lead to incorrect implementation statement or delay the System Security Plan	Heath, Dustin Finding - its Issue		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to odit or rewrite implementation istatements. A full draft of the SSP is schoduled to be published Again 15th, 2023, and the final SSP (ready for federal partner review) is scheduled for Spptember 15, 2023. The SSP is a Just petchnical document with hundreds of controls and control or enhancements, and each one requires an implementation statement of how the control or enhancement has been met.	with the known tasks related to the ISK Assessment to continue receiving FTI the third gardy in ISK SPRF collaborate and communicate which Spatiators about when assessment. reliable and cornect documentations will be available. COMPATET in Sections in which the Infrastructurus deepin basilism will be completed. (ISK)30/2023-1): Perform as full review of all dark 550 controls for content and accuracy prior to the start of the Independent seventy Controls. The ISK SPRF control in the ISK SPRF control in the ISK SPRF control in Control and accuracy prior to the ISK section of the ISK SPRF control in Control This will allow the ISK SPRF control in Control in the Control This will allow the ISK SPRF control in Control in the Control in Control through the ISK SPRF control in Control in the ISK SPRF control in Control through the ISK SPRF control in Con				to update the limplementation statements in the main body of the System Security Plan Began particip of "Symp glost on lower environments. As the patch reaches the production environment, it is expected to remediate many critical and high indireg POMAs. Additionally, Olds received the final report from the SSA on their assessment earlier this year. 10(1)1/2024 - to Oldbert, the AZ continued to work on rewriting the implementation statements for the BES System Security Plan (SSP). The ASI completed rewrites of implementation statements of the others control families in	for tr meet shoul Septe Also, deten resou
82 The lack of technical documentation may lead to incorrect implementation statement or delay the System Security Plan	Heath, Dustin Finding - its Issue		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to disk or rewrite implamentation statements. A full disk of the SSP is schedule to be published August 19th, 2021, and the final SSP of the SSP is scheduled by scheduled for Significant published for the SSP is scheduled for Significant SSP is a scheduled for Significant SSP is a scheduled for Significant SSP is a scheduled for SSP is scheduled to scheduled scheduled scheduled for SSP is scheduled to scheduled sche	with the known tasks related to the RK Assessment to continue receiving FT the third-party in RKS. CPRF. Collocation and communicate with 59 adhorts book when seasoment. In the CPRF and t				to update the implementation statements in the main body of the System Security Plan Sleep another of "Simple Good in lower environments. As the part in reaches the production environment, it is expected to remediate many critical and byte finding FOAMS. Additionally, Unit received the final many critical and byte finding FOAMS. Additionally, Unit received the final Control, The ASI continued to work on everificial type, vol. 2017 20004 - in Control, The ASI continued to work on everificial type, vol. 2017 20004 - in statements for the ESE System Security Plans (2)). The ASI considered revertises if implementation statements of the eSF of beening control families in the main body of the PDT. The ASI has completed the basic infrastructure for	for tr meet should septe Also, deter resou and d
<ol> <li>The lack of stocholical documentation may lead to incorrect implementation statements or delay the System Security Plan</li> </ol>	Heath, Dustin Finding - tts Issue		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for control or orbits. The scheduled or orbits of the scheduled or orbits of the scheduled or orbits orbits or orbits orbi	with the known tasks related to the RK Assessment to continue receiving FTI the third party in IRS. OPPR: Colloborate and communicate with Sh authors about when assessment. reliable and cornect documentation with the author and the completed (IRS add) (IR				to update the implementation statements in the main body of the System Security Plan Begin parting of "Spring load" in lower environments. As security Plan Begin parting of "Spring load" in lower environments. As many critical and high finding POMAs. delitroxing, text secured the final report from the \$55 km of the security plan of the security of the security of the Clockete, the ACI continued to work on rewriting the implementation statements for the \$25 km bestury Plan (25). The ASI completed rewritten of implementation statements of the of beenly control families in the security of the security of the security of the security of the security of the security of the security of the security of the security of the security of	for tr meeter should Septe Also, deter resoon and fi deferd deferd
The lack of technical documentation may issed to incorrect implementation statement or delay the System Socurity Flain	Heath, Dustin Finding - tts Issue		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for control or orbits. The scheduled or orbits of the scheduled or orbits of the scheduled or orbits orbits or orbits orbi	with the known tasks related to the RK Assessment to continue receiving FT the third-party in RKS. CPRF. Collocation and communicate with 59 adhorts book when seasoment. In the CPRF and t				to update the implementation statements in the main body of the System Security Plan Bages parting of "Signific body in lower environments. As the patch reaches the production environment, it is expected to remediate the patch reaches the production environment, it is expected to remediate report from the SSA or the Patch of the Patch	for tr meet shoul Septe Aho, deter resou and docum want
12. The last of technical documentation may lead to incorrect implementation statement or delay the System Security Plan	Heath, Dustin Finding -		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for control or orbits. The scheduled or orbits of the scheduled or orbits of the scheduled or orbits orbits or orbits orbi	with the known tasks related to the RK Assessment to continue receiving FTI the third party in IRS. OPPR: Colloborate and communicate with Sh authors about when assessment. reliable and cornect documentation with the author and the completed (IRS add) (IR				to update the implementation statements in the main body of the System Security Plan Siegar barring of "Spring Body and the System Security Plan Siegar barring of "Spring Body and security and security and many critical and high-finding POMAs. Additionally, DIS received the final report from the SSA on their assessment carriers fits year. 10/11/2004 - in October, the ACI continued to work on rewriting the implementation statements for the SSA system Security Pass (SP). The ACI completed in the main body of the SST. The ASI has completed the basic infrastructure for the Secure Enciles, wherever, there is conditionable on the Man basic body of the SST. The ASI completed in the main body of the SST. The ASI has completed the basic infrastructure for the Secure Enciles, wherever, there is conditionable on the Man basic power of the SST. The ASI is completed the basic infrastructure for the SST of the SST of	for tr meet should Septe determined and file and file decorate page 1
12 The lask of technical documentation may lead to incorrect inglementation statement, or delay the System Security Plan	Heath, Dustin Finding - tts Issue		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for control or orbits. The scheduled or orbits of the scheduled or orbits of the scheduled or orbits orbits or orbits orbi	with the known tasks related to the RK Assessment to continue receiving FTI the third party in IRS. OPPR: Colloborate and communicate with Sh authors about when assessment. reliable and cornect documentation with the author and the completed (IRS add) (IR				to update the implementation statements in the main body of the System Security Plan Siegar barring of "Spring Body and the System Security Plan Siegar barring of "Spring Body and security and security and many critical and high-finding POMAs. Additionally, DIS received the final report from the SSA on their assessment carriers fits year. 10/11/2004 - in October, the ACI continued to work on rewriting the implementation statements for the SSA system Security Pass (SP). The ACI completed in the main body of the SST. The ASI has completed the basic infrastructure for the Secure Enciles, wherever, there is conditionable on the Man basic body of the SST. The ASI completed in the main body of the SST. The ASI has completed the basic infrastructure for the Secure Enciles, wherever, there is conditionable on the Man basic power of the SST. The ASI is completed the basic infrastructure for the SST of the SST of	for training and the second of
12 The last of sechrical documentation may load to incorrect implementation statement or delay the System Security Plan	Heath, Dustin Finding - ts Issue		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for scheduled or orbits and control or orbits. The scheduled or orbits of the scheduled or orbits or orbits or orbits of the scheduled or orbits orbits or orbits or orbits orbits orbits orbits orbits or orbits o	with the known tasks related to the RK Assessment to continue receiving FTI the third party in IRS. OPPR: Colloborate and communicate with Sh authors about when assessment. reliable and cornect documentation with the author and the completed (IRS add) (IR				to update the implementation statements in the main body of the System Scenum Plan Begin parting of "Spring load" in lover environments. As executing Plan Begin parting of "Spring load" in lover environments. As many critical and high finding POMAs. deditionally, Dist crowned the final many critical and high finding POMAs. deditionally, Dist crowned the final properties of the Post	for tr meet should Septe determined and file and file decorate page 1
12 The lask of technical documentation may lead to incorrect implementation statement, or delay the System Security Plan	Heath, Dustin Finding - ts Issue		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for scheduled or orbits and control or orbits. The scheduled or orbits of the scheduled or orbits or orbits or orbits of the scheduled or orbits orbits or orbits or orbits orbits orbits orbits orbits or orbits o	with the known tasks related to the RK Assessment to continue receiving FTI the third party in IRS. OPPR: Colloborate and communicate with Sh authors about when assessment. reliable and cornect documentation with the author and the completed (IRS add) (IR				to update the implementation statements in the main body of the System Scenum Plan Begin parting of "Spring load" in lover environments. As executing Plan Begin parting of "Spring load" in lover environments. As many critical and high finding POMAs. deditionally, Dist crowned the final many critical and high finding POMAs. deditionally, Dist crowned the final properties of the Post	for training and the second of
12. The last of technical documentation may load to incorrect implementation statements or delay the System Security Plan	Heath, Dustin Finding - its Issue		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for scheduled or orbits and control or orbits. The scheduled or orbits of the scheduled or orbits or orbits or orbits of the scheduled or orbits orbits or orbits or orbits orbits orbits orbits orbits or orbits o	with the known tasks related to the RK Assessment to continue receiving FTI the third party in IRS. OPPR: Colloborate and communicate with Sh authors about when assessment. reliable and cornect documentation with the author and the completed (IRS add) (IR				to update the implementation statements in the main body of the System Schemily Plan Bleep authing of "Single Body in lower environments. As the patch is raised to the production environment, it is expected environment. As the patch is real to the production environment of the patch is real to the production environment of the patch is real to the patch of the patch is real to the patch of	for training and the second of
82 The lask of technical documentation may lead to incorrect implementation statement, or delay the System Security Plan	Heath, Duttin Finding - tersor		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for scheduled or orbits and control or orbits. The scheduled or orbits of the scheduled or orbits or orbits or orbits of the scheduled or orbits orbits or orbits or orbits orbits orbits orbits orbits or orbits o	with the known tasks related to the RK Assessment to continue receiving FTI the third party in IRS. OPPR: Colloborate and communicate with Sh authors about when assessment. reliable and cornect documentation with the author and the completed (IRS add) (IR				to update the implementation statements in the main body of the System Schedin/Plan. Siega parting of "Sings local in lover environments. As the parts reaches the production environment, it is expected to remediate the parts reaches the production environment, it is expected to remediate and the parts of the parts o	for training and the second of
22 The last of sechrical documentation may load to incorrect implementation statements or delay the System Security Plan	Heath, Duston Finding - to a losser		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for scheduled or orbits and control or orbits. The scheduled or orbits of the scheduled or orbits or orbits or orbits of the scheduled or orbits orbits or orbits or orbits orbits orbits orbits orbits or orbits o	with the known tasks related to the RK Assessment to continue receiving FTI the third party in IRS. OPPR: Colloborate and communicate with Sh authors about when assessment. reliable and cornect documentation with the author and the completed (IRS add) (IR				to update the implementation statements in the main body of the System Scaculity Plan Siegar parting of "Single Body and the System Scaculity Plan Siegar parting of "Single Body and Single Body and Si	for tr meet should Septe defended resources and fit and fit and fit grap in from has to
12 The lack of technical documentation may lead to incorrect implementation statement, or delay the System Security Plan	Hearth Duston Finding - tes - tossee - tes		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for scheduled or orbits and control or orbits. The scheduled or orbits of the scheduled or orbits or orbits or orbits of the scheduled or orbits orbits or orbits or orbits orbits orbits orbits orbits or orbits o	with the known tasks related to the RK Assessment to continue receiving FTI the third party in IRS. OPPR: Colloborate and communicate with Sh authors about when assessment. reliable and cornect documentation with the author and the completed (IRS add) (IR				to update the implementation statements in the man body of the System Security Plan. Segua partial prior "Serging Security Plan". Segua partial prior seguing security seguing seguing security seguing	for training for training for training for training for training for the foreign for training fo
22 The lack of technical documentation may lead to incorrect implementation statement, or delay the System Security Plan	Heath, Dustin Finding - to such that the finding		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for scheduled or orbits and control or orbits. The scheduled or orbits of the scheduled or orbits or orbits or orbits of the scheduled or orbits orbits or orbits or orbits orbits orbits orbits orbits or orbits o	with the known tasks related to the RK Assessment to continue receiving FTI the third party in IRS. OPPR: Colloborate and communicate with Sh authors about when assessment. reliable and cornect documentation with the author and the completed (IRS add) (IR				to update the implementation statements in the main body of the Systems Security Plan Begin parting of "Single Body" in lower environments. As the part has the part has a the part of	for training and the second of
12 The lack of technical documentation may lead to incorrect implementation statement, or delay the System Security Plan	Heath Dustin Finding - tes - tissue - tes		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for scheduled or orbits and control or orbits. The scheduled or orbits of the scheduled or orbits or orbits or orbits of the scheduled or orbits orbits or orbits or orbits orbits orbits orbits orbits or orbits o	with the known tasks related to the RK Assessment to continue receiving FTI the third party in IRS. OPPR: Colloborate and communicate with Sh authors about when assessment. reliable and cornect documentation with the author and the completed (IRS add) (IR				to update the implementation statements in the main body of the Systems Security Plan Begin parting of "Single Body" in lower environments. As the part has the part has a the part of	for training and the second of
IZ The lack of technical documentation may load to incorrect implementation statement, or delay the System Security Plan	Heath, Dustin Finding - to some to some		implementation statements. Currently, the technical documentation supporting the SPE in unavailable, outdated, or in a draft form. During April, decisions on what tools support the SSP controls are still being decided on 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,	authors may need to edit or rewrite implementation statements. And lid and of the SPB is schedule to be published August 15th, 2023, and the final SPP (ready for forderal partner review) is scheduled for September 15, 2023. The SPP is a large schedule document with handwide of cortected and control of orbits of the scheduled for scheduled for scheduled or orbits and control or orbits. The scheduled or orbits of the scheduled or orbits or orbits or orbits of the scheduled or orbits orbits or orbits or orbits orbits orbits orbits orbits or orbits o	with the known tasks related to the RK Assessment to continue receiving FTI the third party in IRS. OPPR: Colloborate and communicate with Sh authors about when assessment. reliable and cornect documentation with the author and the completed (IRS add) (IR				to update the implementation statements in the man body of the System Security Plan. Segua partial prior "Serging Security Plan". Segua partial prior seguing security seguing seguing security seguing	for training for training for training for training for training for the foreign for training fo

2

Finding	Identified					Analyst	Finding			
ID Title Reporter Type  80 Development delays have negatively Fors, Michael Finding -	Date Category 6/30/2022 Configuration and	Observation  d ASI had previously reported development activities have been slowed as	Significance  If the ASI is unable to achieve a velocity that enables them to meet planned	Recommendation  OPEN • ASI effectively track and regularly provide DHS (notentially via the	Event Horizon Impa Immediate	act Probability Priority 3 3 Med	Status	Status Update 11/30/2024 - The ASI continues to struggle with a high number of defects,	Client Comments	Vendor Comments
impacted the project schedule and delayed Issue	Development	they have been unable to achieve and/or maintain their expected	milestones, schedule delays may lead to a delayed system go-live date.	weekly DDI status meeting) with an accurate velocity (e.g., story points per	minediate	3 3 Mills	Optil	which frustrates and creates more work for DHS UAT testers. Because of		09/09/2024
go-live.		development velocity. Previously, the development team was challenged	Failure to achieve a level of accuracy in estimating development tasks could	day/week/month) and assure that the current velocity is accurately and				this, DHS has elected to closeout UAT testing for the time being. 10/31/24 -		Vic confirmed that 50
		with accurately estimating development task level of effort (i.e., story points) and the project has been challenged with producing a project	lead to a project schedule that is flawed and unrealistic. Previously, DHS had indicated, and IVV agreed, that some of these delays were due to some	consistently reflected in the project schedule • ASI regularly report				With the recent departure of the ASI's recently hired development quality lead, the ASI hired two technical resources to mitigate code quality		developers have been added to project.
		schedule that accurately reflects realistic timelines (see Finding #74). The	ASI BAs lacking the expertise required to create optimal designs and system	and present a dynamic burndown chart to track the progress. • The ASI				challenges that have created project delays. 9/26/24 - The ASI has recently		added to project.
		ASI continues to be challenged with finding qualified resources in a timely	specifications that developers could consume without requiring extensive	should consider enhancing the depth of developer unit testing. COMPLETE				taken steps to increase the code quality and productivity of their		
		manner.	clarification from the ASI BA/SA team. DHS and IVV observed instances	CLOSED • DHS request the ASI strategically add the right project team				development team by adding senior development resources including a		05/11/2024
			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	resources to effectively increase velocity. Note that adding additional junior resources may not be as effective as staffing additional expert-level				development quality lead and a new development manager. They hope to refocus the development team to be more disciplined in their coding		As discussed at pre-
			contributed to unproductive design sessions (see Finding #61). It remains unclear if scope creep has contributed to these delays.	development, analysis, and other resources that can lead and mentor junior				practices and unit testing so as to reduce coding defects. The ASI has		meet, the
				resources. • ASI reviews the development process and identifies and				reported they currently have 84 developers (37 off-shore and some part-		development team has
				mitigates the challenges preventing them from incorporating Epic demo activities into the project schedule. (9/29/23 - ASI will not be doing this,				time) working on BES and plan to add 50 more off-shore developers at some point in order to expedite development. The ASI has acknowledged that		been primarily focused on fixing BES 1.0
				with DHS approval) ASI consider taking steps to increase code quality, including enhancing the depth of developer unit testing, tracking and				coding defects have hampered the projects productivity, created project		defects. DDI work for
				including enhancing the depth of developer unit testing, tracking and				delays, and frustrated the DHS testing team given the volume of defects they		BES 1.1 and 1.2 are
				proactively preventing leakage, and enforcing effective coding standards and good governance.				needed to report and document. It remains unclear how quickly newly added developers will be able to get up to speed and how quickly they can		forthcoming.
				and good governance.				be productive enough to make a measurable, positive impact on the pace of		
								development. As of the last ASI status report, there are 376 unresolved		
								defects (104 high criticality), despite their best efforts to bring that number		
								resolve defects. 08/22/24 - The ASI has initiated a Go-to-Green (G2G) Plan		
								to mitigate project delays, including development delays that could impact go-live milestones. One of the G2G plan action items is to "Staff with		
								go-live milestones. One of the G2G plan action items is to "Staff with additional developers"; with the ASI confirming they will be adding 50		
								additional offshore developers. It remains unclear how quickly newly added		
								developers will be able to get up to speed and how quickly they can be		
74 A BES Project schedule based on inaccurate Molina, Brad Finding - estimations diminishes effective planning Issue	11/29/2021 Project	DHS and the ASI have tried multiple times to rework the schedule with results that have not yielded improvement. Concerns with the structure,	If estimates for project schedule activities are not accurate, this can lead to constant schedule changes, resources not being available when needed,		Immediate	3 4 High	Open	11/30/2024—The ASI has indicated that a revised project schedule will be provided to DHS and IVV for review by the second week of December. DHS		
and resource management, which could	Management	estimating practices, and ability to manage to the schedule persist. The use	rushed activities, and general frustration which can lead to schedule delays.	the remaining work Any work required to address findings from Root				and the ASI made progress on Change Requests (CRs) that will be included in		
and resource management, which could result in late deliverables, cost increases,		estimating practices, and ability to manage to the schedule persist. The use of multiple tools to track resources obfuscate resource management. Previous IV&V findings focused on specific schedule components such as resource management and critical path analysis, all of which were	low quality output, scope changes, and budget issues.	Cause Analysis should be included in the revised schedule to validate				the BES solution. This CR planning needs to be finalized to complete the		11/13/2024
and a late go-live.				completion for DHS. COMPLETE ASI conduct a Root Cause Analysis (RCA) with DHS and IVV to determine why the BES project continues to experience				schedule. 10/31/2024 - This finding will be reevaluated by the IVV team after the project team completes the replanning and determines the		I'm not sure the reader will know the "Option
		resource management and critical path analysis, all of which were addressed and closed.		schedule delays ASI Project Management works with the development				approach, requirements/functionality, and schedule for the Pilot and		2" reference and I
		The same control		teams to evaluate the accuracy of development velocity and adjust				Statewide rollout 09/30/2024 - The project did not meet the Pilot Go Live		don't see any
				accordingly to reduce risk in the revised BES project schedule. *ASI provides Burndown charts that provide visibility into the remaining work. *ASI				date as the schedule was not realistic for the planned work to be performed, and new functionality was requested by DHS via change requests (12		subsequent references in the finding's details.
				provide details on how Velocity measures were used to calculate the				and new functionality was requested by DHS via change requests (12 overall). No updated schedules were published in September, as the ASI		in the finding's details. Consider removing the
				remaining development workASI conduct a Root Cause Analysis (RCA) with DHS and IVV to determine why the BES project continues to experience	h			worked through revising the schedule to align with the new project direction		latter half of the
				DHS and IVV to determine why the BES project continues to experience				(combining releases) and including the scope for change requests and a		sentence "to support Ontion 2 "
				schedule delays. DHS and the ASI agree to a revised schedule against which project deliverables can be managed. (2/28/2023 - complete) ASI host a				crucial functionality list from DHS. Per prior recommendations, the ASI and DHS should conduct a root cause analysis and incorporate the results in the		Option 2." 09/9/2024
				weekly meeting with DHS and IVV to review all changes to the project				new schedule. 08/30/2024 - Underestimated development work that will		03/3/2024
				schedules (Primary and DDI). (8/31/2023-complete) CLOSED ASI plan and				coincide with FAT testing and related defect resolution, has created risk for		Numbr of defects,
				execute Epic development so that Epic demos can occur earlier in the release schedule and allow time for possible revisions. (12/31/2023 No				completing Epics in time for comprehensive INT, SIT and FAT testing prior to Pilot. TVV is concerned that Epics might need to enter Pilot without full		phased in epics, also outstanding CR. CR
				done) As requested by DHS, add key milestones to the project schedule, suc	h			testing, causing issues for workers completing their required work. DHS has		pushing schedule out
				as Sprint and Epic demos, to show key progress towards completion of				also submitted additional Change Requests that may require the schedule to		beyond Sept. Phased
				Epics. (9/29/23 ASI says that they will not do this.) Confirm current assumption that a delay with the current go-live date will not result in majo				be delayed. As of the end of the reporting period, the ASI and DHS are talking through a revision of the schedule that will at a minimum push FAT		epics should be in this
				implications. (6/29/23) Leverage velocity and burn down charts to adjust	•			testing out to end of September. 07/31/2024 - The ASI is actively working		week. Optimistic for getting defects and
				development tasks estimates if needed. Leverage velocity and burn down				on defect resolution and new development work for BES 1.1. A few key		epics addressed by
				charts to adjust development tasks estimates if needed. (4/30/2023 - ASI using Jira) Using the available tools, review the current estimates to				documents/deliverables, including the Disaster Recovery Plan, Data Conversion results, and Requirements Traceability, are behind schedule. The		end of September. But should include all
				using aira) using the available tools, review the current estimates to complete each activity compared to past actual hours (1/31/2023 - new ASI				Conversion results, and Requirements Traceability, are bening schedule. The ASI is hiring additional resources: however, it is not known if these resources.		three of the issues.
73 The planned BES infrastructure is complex Fors, Michael Finding -	10/28/2021 System Design	Current ASI infrastructure plans include a significant number of	If the level of effort to implement and manage the complexities of the BES	. ASI develop a process to closely monitor cloud and other product changes	Next several	2 2 Low	Open	11/30/2024 - This finding will be reevaluated by the IVV team after the		
which could be difficult to implement and Risk		sophisticated components that make up a complex cloud infrastructure. Further, the Project Team has yet to finalize components that will make up	infrastructure is not accurately accounted for and staffed by the ASI, the	(software updates/new releases), manage changes, and regression test onc	e months			project team completes the re-planning and determines the approach, requirements/functionality, and schedule for the Pilot and Statewide rollout.		11/17/2023 - Again, why is DR being
lead to schedule/cost impacts.		the BES infrastructure and the additional costs and time to configure, test,	project could be met with unexpected costs and schedule delays. Delays in finalizing the components being implemented could exacerbate this risks	governance over the utilization and maintenance of the various system				10/31/24 - This finding will be reevaluated by the IVV team after the project		referenced here? Per
		and implement the planned complex environment remain unclear.	and lead to further delays. Complex platforms often present system	tools/components. • ASI allot time in the schedule to conduct proof of				team completes the replanning and determines the approach,		the current project
			maintenance and operations challenges as system changes can hold the increased potential for system failure (i.e., due to the significant number of	concepts to assure infrastructure components work as expected. • ASI				requirements/functionality, and schedule for the Pilot and Statewide rollout 9/26/24 - The project continues to make progress on its technical debt		schedule, the DR plan is scheduled to be
			"moving parts") and increase the level of time and effort to resolve	unexpected delays that could delay project milestones and the critical path.				(infrastructure activities that were put on hold in order to work on priority		submitted at the end
			infrastructure and application-level bugs. Further, some components					items), including improvements to MongoDB, DataDog, and Boomi. The		of the year. Reminder:
			remain in an immature state compared to their legacy counterparts. For					project has initiated the process with Netenrich to convert to the new Google SecOps platform and may add more components/services, including		Pilot Go-Live is April 2024
			example, the project recently experienced a system failure because Google Cloud failed to clearly communicate a change that led to failure in another					the Consul API Gateway and Private Service Connect. The ASI intends to		2024.
			component (i.e., Nexus). Google Cloud is generally viewed as a less mature					update the BI-12 before go-live to reflect these changes/additions. 8/22/24		10/31/2023 -
			product offering, compared to their rivals (Amazon Web Services, Microsoft					The ASI continues to make progress in building out the finalized list of		Vic - westill do
			Azure). IV&V remains concerned that this could lead to failures at critical points in the project (including post-go live production failures) that could					infrastructure components into the BES platform. The ASI appears to have a structured approach for building out and testing these components and they		notunderstand why this remains.
			be difficult to resolve and lead to project disruption. If DHS intends to					have reported success with some disaster recovery (DR) tests. 7/26/24 - No		10/11/2023
			eventually reduce M&O outsourcing costs turning over M&O tasks to State					material update for this reporting period. 6/20/24 - No material update for		
			employees, they could face challenges supporting tools they may not be familiar with in a complex infrastructure environment.					this reporting period. 5/31/24 - It remains unclear how infrastructure complexity will impact DR testing and execution. 4/30/24 - No material		Please reference
			and a supple sup					update in this reporting period. 3/31/24 - During a recent Change Control		your updates on
								Board (CCB) meeting the ASI presented DHS with a for-cost change request		finding #82 Security
								(CR) to the design of the Secure Enclave (the addition of roles). In the CCB, it was clear that DHS and the ASI were not in agreement regarding the funding		and Privacy which documents the work
								of this change request. 2/29/24 - No material update in the reporting		being done for the
								period. 1/23/24 - No material update in the reporting period. IVV continues		Secure Enclave.
								to monitor this finding. 12/31/23 - No material update in the reporting period. IVV continues to monitor this finding. 11/30/23 - Some components		
70 Insufficient configuration management Fors, Michael Finding -	8/23/2021 Configuration and	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	OPEN • ASI adhere to plans for configuration management as documented		2 2 Low	Open	11/30/2024 - This finding will be reevaluated by the IVV team after the		
could lead to development confusion and Risk reduce the effectiveness of defect resolution	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 DH	S.			project team completes the re-planning and determines the approach.		
reduce trie effectiveness of defect resolution		projects Security Plan has yet to be finalized which may include additional	he Management that may reduce errors and should provide the project team with accurate, dynamic and timely information on some of the configuration	ASI validate plans for configuration management with DHS and agree on a meaningful set of configuration items or settings they will track				requirements/functionality, and schedule for the Pilot and Statewide rollout. 10/31/24 - This finding will be reevaluated by the IVV team after the project		9/9/2024
				COMPLETED • DHS and ASI work to clarify/solidify plans for the potential				team completes the replanning and determines the approach,		Still in progress. Plan
		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 are included in the configuration plan along with the details regarding the	use of configuration management tools. • Identify the DHS POC for the				requirements/functionality, and schedule for the Pilot and Statewide rollout.		to update
		relies on Github for tracking of some configurations.	are included in the configuration plan along with the details regarding the management of the configuration items, reporting and audit features.	Configuration Management Activities that would provide oversight of configuration management activities and assure defined CM steps and plans				9/26/24 - The ASI had recently stated they plan to update their Configuration Management Plan (CMP) list of configuration items (CIs) and		Configuration Management Plan list
			the same and the same and the same realistics.	are being followed, are effective, and are achieving DHS objectives for CM.				CMP procedures by 9/20/24 but has since experienced some delays in		of items. Two
				7/31/2022				completing these activities. 8/22/24 - IVV has yet to receive a detailed,		documents,
								comprehensive list of configuration items the ASI will be tracking. 7/26/24 - No material update for this reporting period. 6/20/24 - No material update		management plan (end of week),
								for this reporting period. 5/31/24 - IVV has yet to receive a detailed.		Configuration
								for this reporting period. 5/31/24 - IVV has yet to receive a detailed, comprehensive list of configuration items the ASI will be tracking. 4/30/24 -		Management
								IVV has yet to receive a detailed, comprehensive list of configuration items the ASI will be tracking. 3/31/24 - Responsibility for the Configuration		procedures (more detailed). Working
								Management Plan (CMP) reverted to the ASI (previously, the DHS Security		with Mark M on what
								Contractor was updating the CMP for related security controls). The ASI is		should be included.
								resuming this scope of work at a time when its resources are stretched and		Trying to work with
								may lead to CMP and configuration management quality challenges. 2/29/24 - No material update in this reporting period. 1/23/24 - No		folks who really understand the details
								material update in the reporting period. 12/31/23 - The project will utilize		and are available.
								the DHS contractor currently assisting with security activities to update the Configuration Management Plan (CMP). The scope of work that the DHS		
								contractor is responsible for is unclear to IVV 11/30/23 - The ASI has yet to		10/31/2023 -
								contractor is responsible for is unclear to IVV. 11/30/23 - The ASI has yet to provide a detailed list of configuration items to DHS and IVV. IVV has		Vic - We provided a
								contractor is responsible for is unclear to IVV 11/30/23 - The ASI has yet to		

3