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

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

May 15, 2025

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

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

Pursuant to HRS section 27-43.6, which requires the Chief Information Officer to submit applicable independent verification and validation (IV&V) reports to the Legislature within ten days of receiving the report, please find attached the report the Office of Enterprise Technology Services received for the State of Hawai'i, Department of Human Services, Systems Modernization Project.

In accordance with HRS section 93-16, this report may be viewed electronically at <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: April 1 – 30, 2025

Submitted: May 14, 2025



#### Overview

- Executive Summary
- IV&V Findings and Recommendations
- IV&V Engagement Status
- Appendices
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# **Executive Summary**

## **Executive Summary**



In April, the project team mainly focused on activities and tasks to prepare for the next significant milestone, System Integration Testing (SIT), planned to begin on June 23, 2025. Key project areas with current challenges include:

- Security: The project team is challenged to remediate security findings within the required timeframes; currently, 80 findings are past due. Risks still exist in receiving approval from federal data sources needed for BES. Progress was made regarding the Secure Enclave, leading to the beginning of end-to-end testing activities.
- Requirements Management: The ASI has increased meeting frequency with DHS to more precisely categorize and define all requirements. However, this effort has delayed the development of the accurate and comprehensive Requirements Traceability Matrix (RTM) needed for DHS to validate scope and confirm that all required functionality is available or that appropriate workarounds are identified.
- Testing: While resolving defects from past UAT activities has been challenging, the ASI has revised its testing processes, which may enhance future testing effectiveness and improve reporting.
- Interfaces: Functional and technical testing of interfaces did not progress in the reporting period. Not completing this testing may impact readiness for SIT testing. The project team is working through these issues, and fortunately, none of the key implementation dates have been affected as of the date of this report.

IV&V observed both DHS and the ASI taking actions to limit 'scope creep' on the project during project meetings; DHS verbally communicates that any changes must be driven by existing unmet requirements or adherence to Federal or State policies. Waterfall best practices generally recommend that System Integration Testing (SIT) should only commence once all development work is finished, which will be challenging for the ASI, given the complexity of the BES system and only a one-week gap in the project schedule between development completion and start of SIT. If some components are not ready, the project may need to consider mitigation strategies to prevent any delays to the Pilot start date.

Feb	Mar	Apr	Category	IV&V Observations
Н	M	M	Project Management	The ASI reenergized their risk management activities and coordinated several working sessions to discuss concerns on Batch Processing, Data Conversion, and Requirements management.

# **Executive Summary**

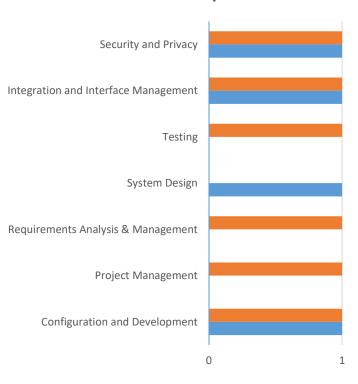


Feb	Mar	Apr	Category	IV&V Observations	
L	L	L	System Design	The ASI submitted the BI-10 Functional and System Design and BI-11 Data Integration and Interface Design deliverables to DHS for their review and approval. These are two major and extensive project deliverables for the ASI and DHS to ensure that all design decisions are thoroughly documented	
M	M	M	Configuration and Development	The ASI continued to implement changes defined in the process improvement plan, which has a positive impact on application development. the ASI has reported that their code coverage has improved., reflecting more comprehensive unit testing being executed.	
L	L	L	Integration and Interface Management	No progress was made during the month to define and execute physical testing of interfaces, which may impact ASI's ability to be ready for SIT testing in June.	
M	M	M	Testing	he resolution of defects from the previous UAT cycle remains delayed due to ongoing sues from related defects that hinder test execution. The ASI provided evidence that ecommendations from the testing process improvement are being implemented uccessfully in the testing area.	
M	M	M	Security and Privacy	The Project continues to have 80 security findings that have yet to be remediated within t timeframes documented in the security plan. Progress in writing security policies has resulted in several policies going through the review/approval process.	
M	M	M	Requirements Analysis & Management	The ASI led several working sessions throughout the month with DHS, FNS and IV&V focused on addressing outstanding requirement updates – which are required to generate an accurate Requirements Traceability Matrix (RTM) report.	



As of the April 2025 reporting period, PCG is tracking 10 open findings (6 risks, 4 issues) and has retired 81 findings. Of the 9 open findings, 6 are Medium, and 4 are Low.

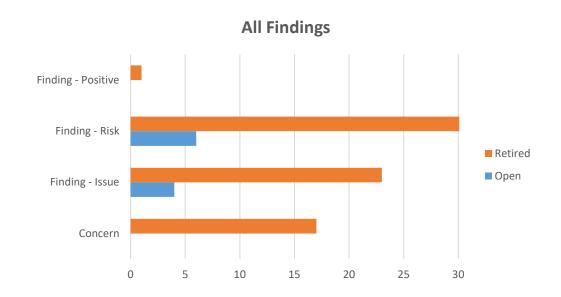
#### **Open Risks & Issues**







The following figure provides a breakdown of the 91 IV&V findings (positive, risks, issues, concerns) by status (open, retired).





#### Findings Opened During the Reporting Period

#	Finding	Category
	Med Risk - Delays in getting FNS approval to use the eDRS interface may result in not having this ready for SIT, delaying access to this functionality	
107	Observation: Form #674 has not been submitted to FNS for approval, as it remains unsigned and unapproved by DHS as of this reporting period. As a result, the project team has been unable to access eDRS (electronic Disqualified Recipients System) data or perform interface validation. In the legacy HAWI system, this interface enables real-time disqualification checks, which is also required in BES.  Significance: The eDRS interface identifies individuals disqualified from receiving benefits in other states. Its real-time validation capability is critical for program integrity and eligibility compliance. Continued testing delays undermine BES readiness to meet federal requirements.	Integration and Interface Management
	If Form #674 approval is not obtained soon, the eDRS interface will remain untested during SIT in mid-June. This increases the risk of deploying unverified functionality, potential federal compliance violations, and additional technical debt after go-live.	



#### Findings Retired During the Reporting Period

#	Finding	Category
	None	



# Preliminary Concerns Investigated and Retired 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 BES project schedule continued to remain stable, with minor revisions to tasks. IV&V continues to monitor development tasks on the critical path as the ASI works to mitigate risk for complex functionality, such as client correspondence, that is scheduled to complete one week prior to SIT. Additionally, reporting of risk management was enhanced per the request of DHS.	M

Recommendations	Progress
<ul> <li>Any work required to address findings from Root Cause Analysis should be included in the revised schedule to validate completion for DHS.</li> </ul>	In Process
<ul> <li>ASI develop a mitigation plan for minimal amount of slack time between development completion and start of SIT.</li> </ul>	In Progress



## 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.	
	The ASI is reporting they are on schedule to complete the infrastructure activities and tasks.	

Recommendations	
<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
ASI maintain a detailed schedule for DevOps implementation tasks to avoid unexpected delays that could delay project milestones and the critical path.	In Process



## Configuration and Development

#	Key Findings	Criticality Rating
70	Risk – Insufficient configuration management could lead to development confusion and reduce the effectiveness of defect resolution.	
	IV&V continues to await receipt of the Configuration Management Plan from the ASI.	

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 reported they continue to address previous development challenges and improve their development velocity. However, now that the project has switched to a Waterfall methodology, the ASI has limited system demos to just prior to the start of Integration and System Integration Testing (SIT) testing. This can limit visibility into development progress and productivity, potentially leading to unexpected project delays if productivity and system design issues are realized.	M

Recommendations	Progress
ASI provides 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>IV&amp;V recommends the project closely monitor progress on the customer correspondence CR and create a mitigation strategy to avoid delays.</li> </ul>	In Process



#### Integration and Interface Management

#	Key Findings	Criticality Rating
	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.	
93	No additional progress was observed during this reporting period. Last year, technical testing was completed for the seven (7) interfaces planned for BES 1.0. However, test cases and scripts for fourteen (14) additional interface partners need to be developed and executed. IV&V remains concerned that continued delays in addressing these outstanding tests will reduce the time available for resolving defects and operational problems.	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	As of April 29, 2025, some of the defects from the previous testing cycle are being worked on by the ASI, with 162 defects (39 high,87 medium, 36 low) in "Ready for UAT" status (fix complete, not deployed to UAT environment) and 26 defects (13 high, 3 medium, 10 low) "In UAT" status (fix deployed to UAT environment) while 56 defects are in progress. A comparison with last month's progress reveals the ASI closed eight defects (two high-priority, four medium-priority, and two low-priority). ASI has confirmed that delays in defect resolution is due to blockers and a focus on DDI work.	M		
	Additionally, INT testing for the following Epics has been completed and are ready for SIT.			
	<ul> <li>Epic 207 - Limit BES Automating Data Population from BES-SSP</li> <li>Epic 210 – Application</li> <li>Epic 242 – Eligibility</li> <li>Epic 264 – Interview</li> <li>Epic 283 - HYCF/DPS Interface Updates</li> </ul>			
	The ASI also provided evidence of process improvements implemented to enhance the upcoming testing cycle. IV&V will continue monitoring ASI's progress.			
Rec	ommendations	Progress		
	HS and ASI revisit the testing approach to prioritize completion of remaining test activities and conduct omprehensive System Integration testing (SIT) to minimize defect leakage to User Acceptance Testing (UAT).	In Progress		
	SI assesses the potential impact of the large number of unresolved defects on future development efforts, nsuring a more robust and efficient development process.	In Progress		
	<ul> <li>ASI develop and implement a revised testing approach to improve the completeness and thoroughness of future testing cycles.</li> </ul>			



#### 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).	
82	Throughout April, the ASI security team validated the SSP Control implementation Statements with the DevOps team to ensure that what is documented in the SSP is accurate with the implemented system. The ASI turned over six policies to DHS for approval; two policies have completed peer review, have been updated, and have been sent to QA review. Twelve policies are ready for peer review. DHS and the ASI met on April 28th and developed a plan for the BES system-level policies to be reviewed and approved by the end of the year. Implementing the Secure Enclave progressed as IDCS (Oracle Identity Cloud Service) and Role-Based Access Control roles were completed and tested. Additionally, the audit framework was completed, and the ASI started end-to-end testing.	L

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>	In Process



#### Security and Privacy

;	#	Key Findings	Criticality Rating
		Risk – Critical and high vulnerability and configuration scan findings are not remediated within the documented timeframes, potentially impacting the project schedule and causing delays.	
10	06	As of April 28th, BES had 32 critical findings with an open, in progress, or deferred status outside the 15-day remediation timeframe, and two critical findings were within the timeframe. BES had 56 high-rated findings with an open, in progress, or deferred status outside the 30-day remediation timeframe, and 29 high-rated findings were within the timeframe. The ASI has noted that several environments are shut down for cost savings, which will be patched when brought back online. The Plan of Action Milestones (POAMs) remain open until all vulnerable hosts have been remediated. The ASI updated the BES Vulnerability Management Procedures document with the Jira ticketing process and workflow.	M

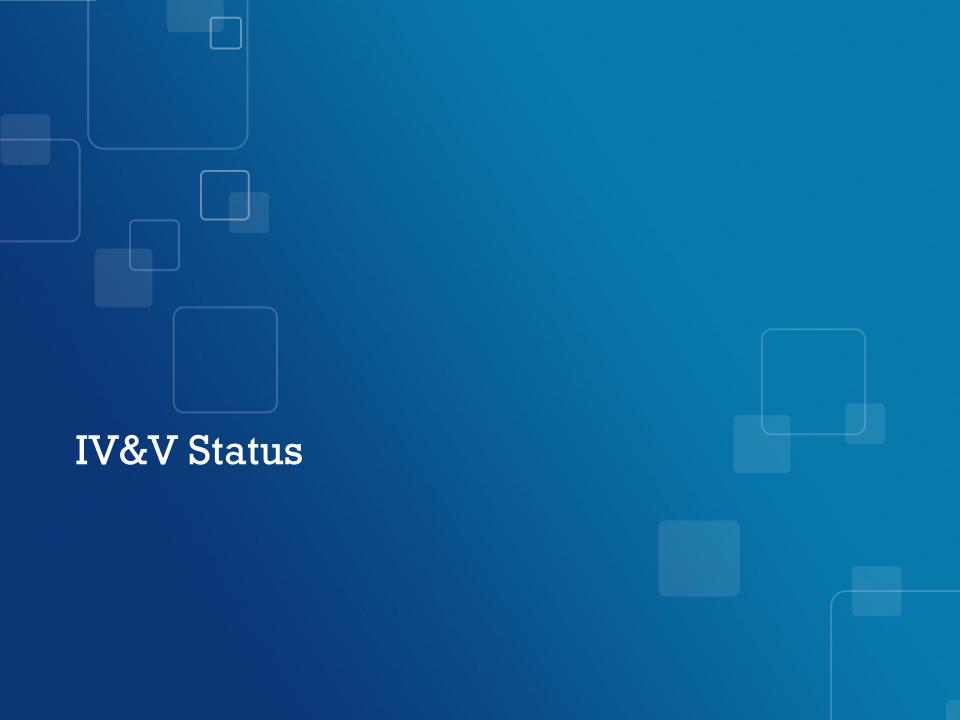
Recommendations	Progress
Update the BES Vulnerability Management Procedures document with the Jira ticketing process and workflow from vulnerability and configuration scan remediation with who owns each step.	Completed
Implement an escalation process to involve senior leadership if deadlines are missed.	In Progress



### 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	DHS and the ASI continue to identify the details of the content and format of the RTM. Without adequate contract requirement traceability, this could lead to requirements not being fully met, resulting in project delays. During the Bi-Weekly BES CCB meeting on 4/16/25, the ASI provided a walkthrough to DHS and IV&V to show their updated RTM with the simplified view that DHS requested. DHS and ASI identified some key steps to finish the RTM, including agreements on:  - obsolete requirements  - out of scope requirements  - deferred requirements  - retraced requirements  After these requirements are completed, the focus will be on New Change Requests, Technical Untraced, and Maintenance and Operations (M&O) Application requirements.	M

Recommendations					
<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 at technical requirements to the test cases and test scripts".</li> </ul>	nd In Process				
<ul> <li>Ensure test scripts thoroughly and comprehensively test the system to assure each requirement has been full met.</li> </ul>	In Process				
<ul> <li>Develop a deliverable that provides an audit trail for changes to the requirements from the contract such as obsoleted requirements, when that decision was made, and the change requests.</li> </ul>	In Process				
<ul> <li>Provide weekly updates about the clean-up efforts in JIRA regarding incorrect statuses of epics, use case, an requirements.</li> </ul>	d In Process				



## IV&V Engagement Status



IV&V Engagement Area	Feb	Mar	Apr	Comments
IV&V Budget				
IV&V Schedule				
IV&V Deliverables				PCG submitted the final March IV&V Monthly Status Report.
IV&V Staffing				
IV&V Scope				

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

#### **IV&V** Activities



- IV&V activities in the April reporting period:
  - Completed March 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 May reporting period:
  - Ongoing Observe BES Design and Development sessions as scheduled
  - Ongoing Observe Bi-Weekly Project Status meetings
  - Ongoing Observe Weekly Architecture meetings
  - Ongoing Observe Weekly Security meetings
  - Ongoing Monthly IV&V findings meetings with the ASI
  - Ongoing Monthly IV&V Draft Report Review with DHS, ETS and ASI
  - Ongoing Participate in Bi-Weekly DHS and IV&V Touch Base meetings
  - Ongoing Review BES artifacts and deliverables

## **Deliverables Reviewed**



Deliverable Name	Deliverable Date	Version
BI-05 Project Schedule	4/02/2025, 4/10/2025, 4/15/2025, 4/24/2025	N/A
BES 1.0 – BI-10 Functional and System Design	4/16/2025	N/A
BI-02 Project Status Report	4/02/2025, 4/09/2025, 4/16/2025, 4/23/2025	N/A
BES 1.0 – BI-11 Data Integration and Interface Design Deliverable	4/16/2026	N/A

## Additional Inputs – Artifacts



Artifact Name	Artifact Date	Version
BES 2023 Design Kanban board	N/A	N/A
FNS Handbook 901	01/2020	V2.4
NIST Special Publication 800-53 Security and Privacy Controls for Information Systems and Organizations	12/20/2020	Rev.5
SNAP_System_Integrity_Review_Tool	Sept 2022	N/A
Interface Dashboard – Confluence page	N/A	N/A
BES 2023 Implementation Planning – Confluence page	N/A	N/A
R0.12 Epic Assignment	N/A	N/A
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 4/3/2025, 4/7/2025, 4/8/2025, 4/14/2025, 4/18/2025, 4/21/2025, 4/28/2025
- 2. IV&V/ASI March Pre-draft Review 4/4/2025
- 3. HI DHS BES March Draft IV&V Report Review 4/11/2025
- 4. Bi-Weekly DHS BES PMO/IV&V Check-in 4/10/2025, 4/25/2025
- 5. Bi-Weekly DHS and IV&V Touch Base 4/1/2025, 4/15/2025, 4/29/2025
- 6. Weekly BES Infrastructure meeting 4/4/2025, 4/11/2025, 4/25/2025
- 7. Weekly Client BES 2023 Project Status Meeting 4/9/2025, 4/23/2025
- 8. Security Touchpoint 4/2/2025, 4/9/2025, 4/16/2025, 4/23/2025, 4/30/2025
- 9. (External) Bi-Weekly Client BES Implementation Schedule Review Meeting –
- 10. (Externa(I) Weekly Interfaces Touchpoint 4/7/2025, 4/21/2025, 4/28/2025
- 11. (External) Bi-weekly BES CCB Meeting 4/2/2025, 4/16/2025, 4/30/2025
- 12. eWorld/IV&V Mid-Month Check-in 4/16/2025
- 13. (External) Bi-Weekly BES Testing Workgroup Meeting 4/10/2025, 4/24/2025
- 14. (External) TOP Reconciliation Reports 4/21/2025
- 15. (External) BES Batch Schedule Day 3 4/21/2025
- 16. (External) BES CCB Working Session 4/28/2025





## Appendix A – IV&V Criticality Ratings

Criticality Rating	Definition
Н	A high rating is assigned if there is a possibility of substantial impact to product quality, scope, cost, or schedule. A major disruption is likely, and the consequences would be unacceptable. A different approach is required. Mitigation strategies should be evaluated and acted upon immediately.
M	A medium rating is assigned if there is a possibility of moderate impact to product quality, scope, cost, or schedule. Some disruption is likely, and a different approach may be required. Mitigation strategies should be evaluated and implemented as soon as feasible.
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** 

ID Title	Reporter	Finding	Identified  Date Category	Observation	Senificance	Recommendation	Event Horizon II	mnart Prohabil	Analyst tv Priority	Finding	Status lindate	Client Comments	Vendor Comments
107 Delays in getting FNS approval to use the eDRS interface may result in not having this		Finding - Risk	Interface	unsigned and unapproved by DHS as of this reporting period. As a result, the	The eDRS interface identifies individuals disqualified from receiving benefits in other states. Its real-time validation capability is critical for program	channels to resolve the delay. 2. Define a deadline for approval in	Now	3	2 Med	Open			
ready for SIT, delaying access to this functionality			Management	project team has been unable to access eBRS (electronic Disqualified Recipients System) data or perform interface validation. In the legacy HAWI system, this interface enables real-time disqualification checks, which is also required in BES.	integrity and eligibility compliance. Continued testing delays undermine BEs readiness to meet federal requirements. If Form 8674 approval is not obtained soon, the eDRS interface will remain untested during ST in mid- June. This increases the risk of deploying unverrified functionality, potential federal compliance violations, and additional technical debt after go-live.	coordination with FNS and document a mitigation strategy, such as simulated data testing, if delays persist. 3. Communicate the dependency's impact on SIT and compliance risk to all key stakeholders.							
106 Ortical and high vulnerability and configuration can form the pre- configuration can form the pre- remediated within the documented sensificance.	Heath, Dustin	i Finding - Risk	2/28/2025 Security and Phracey	The BES system does not currently remediate critical widerabilities and compliance touse within 5 days, and by hy whereabilities are compliance touse within 50 days as required by the BES Vulnerability Managemen Procedures document.	t timeframe. Prompt corrective actions are necessary to ensure timely vulnerability resolution and safeguard the BES system environment prior to going live. Un-remediated critical and high Nessus compliance scans can significantly hinder system development efforts by introducing security risks, compliance failures, and operational readulosks. This lack of remediation of system configuration findings increases technical debt,	IN PROCESTS implement an escalation process to involve senior leadership if adults are involved. COMPRET legisted the SV Universibility has provided in the control of the state of the sta	the IRS assessment or the next third- party assessment.	3	3 Med		OA/D0/2025 — Nor A part 128th, 1815 and 32 certical findings with an open, in degree regiments or deferred status scatales the 3-by emendations terminations, and two critical findings were within the immersary. Bit should be finding the control findings were within the immersary. Bit should be findings to the control findings were within the situation. The ASI has noted that several environments are should be sufficient to the control findings were within the timeframe. The ASI has noted that several environments are should not strategies, within the last patched within the control findings were within the ASI on the findings were within the ASI on the findings were within the findings within the procedures document with the als to lackeding process and workflow. OX/31/2025—The ASI completed the IVV recommendation to rate the control and high. As the time of this remarkable is the process and workflow. ASI of the time of the control and the process and workflow. BIS had 22 bigs in set of findings were within the timeframe. BIS had 22 bigs in set of findings work within the timeframe. It should be noted that remediation on some single PASAI transfer control and the		
94 The lack of an effective way to outside HS. requirements caulie and project clothing requirements caulie and project clothing and out-fulfilled user needs if DriS steer identifies yournet contractual requirements.	Morrill, Scott	Finding - Risk	4/25/004 Requirements Analysis & Management	The Regionement Traceability Martin (RTM) (Bit 21) plays a tital role in ensuring the system compliance with controllar commitments by associating each requirement with passed test care(s), thorover, the associating each requirement with passed test care(s), thorover, the asproved points Chrische above the RTM completed on its (724, which suppressed points (744, which with the control of the c	It is under an Dist and MY how the ASI will trace requirement coverage for STS cromptation, Dist, you be unable to make an informed decision on informed decision of criteria. This could lead to DRS starting final Acceptance Testing (FAT) and then realizing that not all requirements have been fully met, resulting in delay.	effective way to map contract requirements to passed test cases, and, per		3	3 Med		4,72/35 - Diffs and the ASI continue to identify the details of the context as often and the ASI continue to identify the details of the context as often and the ASI context and equal to the context and the		9/9/2024 Include information on interim version provided prior to FAT. 7/12/2024 If m not sure if this is worth noting but etworked sid deliver an interim Fat 12 in FAT. 06/14/7024 The Bit 21 RTM deliverable has been reviewed and discussed multiple timus at the bit weekly constructive to the size of the content of the c
9) Due the last of physical and exterioral testing of the interfaces and data transfer failure, conditions may east with data format, boundaries, and dependencies, the properties of the properties of the transpector of the properties of the properties and hard to isolate problems or errors.		Finding - Risk	4/29/2024 Tritigration and including Management Management	Adde from the functional testing accomplished during eye; testing, specific data flow testing is usually part of an interface definition.	difficult-to-resolve issues, such as scrambled or missing data – or the system may have a fault or exception. Since the Project has not established and	In Process **A** Interfaces bould be based for faulture conditions during connection and transfer operations. **Par and fine interfaces bould be tested for data and file integrity. **Test data fields for system impacts recursing from that start pown formatted, not of angue, or other contacting from the start pown formatted, not of angue, or other contacting from the start pown formatted, not or area, or other transactional interfaces, therefore or orac conditional, API interfaces do not transactional interfaces, therefore or orac conditional, API interfaces do not require race condition interface, Testing for format, length, and other physical formatting errors in interface records and files is covered under existing test case.		3	2 Low	Open	4/30/2023 - No additional progress was observed during this reporting profice Last ways. Executed steeping was completed for the seven (7) interfaces planned for BES LR Newvey. But cases and crypts for feature proportion, 124 years, 124 years	15 111	As mentioned at the May pre-meet, a technical interface team gain does exist to make the gain does exist to all the gain gain gain gain gain gain gain gain
Bid Sign in hist coverage and blower frame- expected progress in testing may result in schoolse delays if subsequent test phases with the schoolse of the schoolse of the fact schoolse of the schoolse of the factback than initially articlyphote.	Kalsi, Neetu	Finding -	6/7/2023 Testing	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 testing the correct use cases. In terms of progress, some test cases remain unexecuted, and not all defects have been resolved as the project	Stentifying defects only is wital for effective testing, as is in more efficient and cost effective to dedoes issues during the early issting rates. If there is slow progress or incomplete testing in the early stages, it can result in more defects issting into subsequent testing phases, necesstrating more extensive and regional testing efforts. Insufficient testing coverage or solvent extensive defects, the substitute of the substitute of the early stages, and of the extensive stages of the extensive stages of the early stages, and the extensive stages of the early stages of the extensive stages of the early stages, shown as Final Acceptance Testing (TAT).	remaining test activities and conduct comprehenvive System Integration testing (SIT) to minimize defect leakage to User Acceptance Testing (UAT). ASI assesses the potential impact of the large number of unresolved defects on future development efforts, ensuring a more robust and efficient development process - ASI develop and implement a revised testing approach to improve the completeness and thoroughness of future testing		4	4 Med	Open	428/2025. An of April 12, 1025, some of the defects from the previous testing cycle are being worked on by the ASV, with 12d defects [18 high,12 medium, 3 is low) in "Ready for U.XT. status (it is complete, not deployed to U.XT entermore that the ASV of		4/11/2025 Per eW Test Lead: What is needed to What is needed to A seed to the seed to the seed to A seed to close this issue? 2/12/2025 Per 2/12/2

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ID Title Reporter Type	Identified					Analyst	Finding			
82 The lack of technical documentation may Heath, Dustin Finding -	Date Category 4/27/2023 Security and	Observation In April: the ASI/DHS system security plan (SSP) authors began writing	Significance Once the system architecture and design have been completed, the SSP	Recommendation	Event Horizon Impa	act Probability Priority	Status	Status Update 4/30/2025 – Throughout April, the ASI security team validated the SSP	Client Comments V	Vendor Comments
82 The lack of technical documentation may Heath, Dustin Hinding - lead to incorrect implementation statements Issue	4/27/2023 Security and Privacy	in April, the ASI/DHS system security plan (SSP) authors began writing implementation statements. Currently, the technical documentation		reliable and correct documentation will be available Include the Secure		2 2 LOW	Upen	4/30/2025 — I nroughout April, the Asi security team validated the SSP  Control implementation Statements with the DevOps team to ensure that	s	5/13/2025
or delay the System Security Plan	,	supporting the SSP is unavailable, outdated, or in a draft form. During April,	of the SSP is scheduled to be published August 15th, 2023, and the final SSP	Enclave within the work breakdown structure along with the known tasks	assessment.			what is documented in the SSP is accurate with the implemented system.		
		decisions on what tools support the SSP controls are still being decided on.	(ready for federal partner review) is scheduled for September 15, 2023. The	related to the IRS Assessment to continue receiving FTI in BES. COMPLETE -				The ASI turned over six policies to DHS for approval; two policies have		The lack of technical
		Implementation statements are currently being written from the perspective of how the system should be designed from the SSP author's perspective	SSP is a large technical document with hundreds of controls and control enhancements, and each one requires an implementation statement of how	Determine when the infrastructure design baseline will be completed.  (05/20/2024) - Perform a full review of all deaft SSB controls for content				completed peer review, have been updated, and have been sent to QA review. Twelve policies are ready for peer review. DHS and the ASI met on		documentation may lead to incorrect
		instead of how the system is actually designed. The SSP authors need to	the control or enhancement has been met.	and accuracy prior to the start of the Independent Security Controls				April 28th and developed a plan for the BES system-level policies to be		implementation
		know and use documentation such as System Architecture and Design,		Assessment of BES and submission of the SSP package to federal regulators.				reviewed and approved by the end of the year. Implementing the Secure		statements or delay
		network topology, dataflow, ports and protocols, tools used for logging, etc.		This will allow the SSP authors to update controls with changes from Design				Enclave progressed as IDCS (Oracle Identity Cloud Service) and Role-Based		the System Security
				through Implementation. (9/26/2024) - Begin monthly Plan of Action and Milestone update meetings between DHS Security and the ASI Security				Access Control roles were completed and tested. Additionally, the audit framework was completed, and the ASI started end-to-end testing.		Plan (SSP). It would help to clarify the
				teams to inform each other of progress and updates made against each				3/31/2025 Last month, IVV reported that the ASI has dropped MongoDB	s	specific
				POAM. (10/31/2024) CLOSED - Moved to Risk #106 IV&V recommends				from the Secure Enclave after evaluating IRS Publication 1075-compliant		documentation that is
				prioritizing the 82 Critical and High finding POAMs as a result of the Tenable Nessus Configuration scans. Implementing the security configurations later				alternatives and is converting to Google Firestore. However, the ASI has als- replaced IBM Filenet in the Secure Enclave with Google Firestore. The ASI		expected to satisfy this
				In development may cause the system to become unfunctional, and require				and DHS have continued working on the NIST 800-53R5 Security Policies. In		finding. Currently, we have
				additional development time to fix.				addition to the 6 policies the ASI had submitted to DHS and received		compiled all available
								feedback 14 other policies were updated based on the feedback and are		documents except for
								currently waiting internal review prior to submission to DHS. DHS has a Safeguard Security Report (SSR) due to the IRS at the end of April. The		the Secure Enclave design details, which is
								sateguard security Report (SSR) due to the IRS at the end of April. The policies that are being written for the BES System need to be reviewed and		still under
								approved by DHS and the process for system level policies is being worked	· c	construction. We will
								on by DHS. However, it does not appear the newly written policies will be	li li	include those once
								approved prior to the IRS SSR submission 2/28/2025—The ASI and DHS have been collaboratively working on the NIST 800-53R5 Security Policies		finalized.Our position is that the SSP
								per the NIST 800-53R5 control family that will be used for the BES System.		is a living document
								Drafts for each policy have been created, with 12 ready for internal review.	a	and will be regularly
80 Development delays have negatively Fors, Michael Finding -	a fee feene e fe	d ASI had previously reported development activities have been slowed as				3 3 Med	Open	DHS has reviewed several of the policies and provided additional instruction	u	updated based on 1)
impacted the project schedule and delayed Issue	b/3U/2U22 Configuration an Development	Asi had previously reported development activities have been slowed as they have been unable to achieve and/or maintain their expected	if the Asi is unable to achieve a velocity that enables them to meet planned milestones, schedule delays may lead to a delayed system go-live date.		Immediate	3 3 Med	Upen	4/30/2025 - The ASI reported they continue to address previous development challenges and improve their development velocity. However,		5/13/2025
go-live.		development velocity. Previously, the development team was challenged	Failure to achieve a level of accuracy in estimating development tasks could					now that the project has switched to a Waterfall methodology, the ASI has		We don't believe this
		with accurately estimating development task level of effort (i.e., story	lead to a project schedule that is flawed and unrealistic. Previously, DHS	progress on development efforts that are complex and/or require a				limited system demos to just prior to the start of Integration and System	l:	issue "Development
		points) and the project has been challenged with producing a project schedule that accurately reflects realistic timelines (see Finding #74). The	had indicated, and IVV agreed, that some of these delays were due to some ASI BAs lacking the expertise required to create optimal designs and system	substantial level of effort and create a mitigation strategy to avoid delays.				Integration Testing (SIT) testing. This can limit visibility into development progress and productivity, potentially leading to unexpected project delays in	d d	delays" is still an issue and is a carry-
			ASI BAs lacking the expertise required to create optimal designs and system specifications that developers could consume without requiring extensive	total amount of remaining work to reach envise and present a depart				progress and productivity, potentially leading to unexpected project delays i productivity and system design issues are realized. 3/31/2025 - The ASI		over. As previously
		manner.	clarification from the ASI BA/SA team. DHS and IVV observed instances	burndown chart to clearly display progress to stakeholders. (closed				completed the JAD sessions for the BES Pilot. The Change Request (CR) for	n	mentioned, eWorld
			where ASI BAs/SAs have presented less than optimal designs and left it to	3/31/2025) • ASI effectively track and regularly provide DHS (potentially via				customer correspondence functionality was identified as requiring	p	plans on conducting
			DHS (who may lack software or UI design expertise) to improve, which has					substantial effort and is scheduled for completion by the end of the		numerous demos
			contributed to unproductive design sessions (see Finding #61). It remains unclear if scope creep has contributed to these delays.	per day/week/month) and assure that the current velocity is accurately and consistently reflected in the project schedule (closed 2/28/2025) • DHS				development phase. IVV continues to express concern that, based on past performance, any disruptions affecting correspondence may leave the		despite employing the waterfall
			cope creep may commoned to triese delays.	request the ASI strategically add the right project team resources to				project with minimal time to respond without extending the pilot go-live	п	methodology. We
				effectively increase velocity. Note that adding additional junior resources				date. 2/28/2025 - The ASI recently submitted an Improvement Plan to DHS		stated, and as
				may not be as effective as staffing additional expert-level development,				that included improvements to address their software development		documented on the
				analysis, and other resources that can lead and mentor junior resources.   ASI reviews the development process and identifies and mitigates the				challenges. They have reported ongoing improvements because of their reorganization of the development team, implementing more rigorous	P	project schedule, we will be conducting an
				challenges preventing them from incorporating Epic demo activities into the				software development and release practices, thorough unit testing and peer		INT demo and SIT
				project schedule. (9/29/23 - ASI will not be doing this, with DHS approval) •				reviews, and the addition of senior skilled resources. 1/31/2025 - The ASI	ä	demo to
				ASI consider taking steps to increase code quality, including enhancing the				conducted a project restart kickoff on 1/23/2025 where they intend to		DHS/stakeholders. In
				depth of developer unit testing, tracking and proactively preventing leakage, and enforcing effective coding standards and good governance. • The ASI				implement several development (and other) process improvements to increase the quality and efficiency of development. Key issues they intend		addition, we have a demo to FNS on the
				should consider enhancing the depth of developer unit testing.				to address include development quality, testing quality, and accumulated		project schedule as
				and a consider entitle title depail or developer unit teating.				technical debt. Mitigation strategies include implementing switching	v	well.It would be great
								development methodologies from agile to waterfall, improving developmen		if this information is
								discipline and structure, increasing the comprehensiveness of testing, and bolstering their domain knowledge by onboarding additional subject matter		included in your status
								experts. 12/31/2024 - The ASI continues to make efforts to enhance	'	reporting.
	11/29/2021 Project	DHS and the ASI have tried multiple times to rework the schedule with	If estimates for project schedule activities are not accurate, this can lead to	OPEN - Any work required to address findings from Root Cause Analysis	Immediate	3 3 Med	Open	4/30/2025 - The BES project schedule continued to remain stable, with		
estimations diminishes effective planning Issue	Management	results that have not yielded improvement. Concerns with the structure,		should be included in the revised schedule to validate completion for DHS				minor revisions to tasks. IVV continues to monitor development tasks on th	2	
and resource management, which could result in late deliverables, cost increases.		of multiple tools to track resources obfuscate resource management.	rushed activities, and general frustration which can lead to schedule delays, low quality output, scope changes, and budget issues.	completion and start of SIT. COMPLETE - Flahorate the schedule to include				critical path as the ASI works to mitigate risk for complex functionality, such as client correspondence, that is scheduled to complete one week prior to	4	4/11/2025
and a late go-live.		Previous IV&V findings focused on specific schedule components such as		the detailed work and tasks required behind milestones, allowing better				SIT. Additionally, reporting of risk management was enhanced per the	B	Recommendations
		resource management and critical path analysis, all of which were		tracking and visibility of possible issues and delays at the task level				request of DHS. 3/31/2025 - The BES project schedule was relatively stable		Section#1 - I
		addressed and closed.		Monitor, evaluate and revise scheduling estimates for accuracy based on the				this month (minor changes were made), with a few tasks delayed while		recommend this be
				project teams past performance and resources available to do the remaining work. (3/31/2025) - ASI conduct a Root Cause Analysis (RCA) with DHS and				others were completed earlier than planned. IV&V is updating the criticality rating from High to Medium. However, we continue to monitor the minimal		updated to CompletedAgreed.
				IVV to determine why the BES project continues to experience schedule				slack time between the completion of development and the beginning of		Updated.#2 - I
				delays ASI Project Management works with the development teams to				System Integration Testing. 2/28/2025 - The ASI received final approval	r	recommend this be
				evaluate the accuracy of development velocity and adjust accordingly to				from DHS on the revised schedule, which was baselined and shared to	u .	updated to CompletedWhere is
				reduce risk in the revised BES project schedule. *ASI provides Burndown charts that provide visibility into the remaining work ASI provide details on				schedule was held on 2/26/2025, with several tasks showing a delayed		this work called out in
				how Velocity measures were used to calculate the remaining development				finish date and others with earlier completion dates; with one significant	s	schedule and
				workASI conduct a Root Cause Analysis (RCA) with DHS and IVV to				change of 44 days. Although none of these changes directly added risk to	a	approval by DHS?#3
				determine why the BES project continues to experience schedule delays.  DHS and the ASI agree to a revised schedule against which project				the schedule, IV&V remains concerned that underestimated tasks could star to impact the critical path and delay implementation dates. 1/31/2025 - Al		- I recommend this be updated to
				DHS and the ASI agree to a revised schedule against which project deliverables can be managed. (2/28/2023 - complete) ASI host a weekly				to impact the critical path and delay implementation dates. 1/31/2025 - At the end of the month, the ASI was working with all stakeholders to finalize		updated to CompletedAgreed.
				meeting with DHS and IVV to review all changes to the project schedules				and baseline a new project schedule. The Draft Schedule published by the	L	Updated#4 - I
				(Primary and DDI). (8/31/2023-complete) CLOSED ASI plan and execute Epic				ASI includes 18 additional months to complete the project. Once the	t	though we discussed
				development so that Epic demos can occur earlier in the release schedule				schedule is finalized, IVV will monitor the stability of the schedule - looking		changing the "New" to
				and allow time for possible revisions. (12/31/2023 No done) As requested				for any recurrence of task completion being delayed as observed in prior schedules (potentially putting critical project milestones at risk if significant		"In Process"?New
										recommendation *hir
				by DHS, add key milestones to the project schedule, such as Sprint and Epic demos, to show key progress towards completion of Epics. (9/29/23 ASI				delays). One key aspect of the revised schedule is the identification of the		recommendation this month, so whether
				demos, to show key progress towards completion of Epics. (9/29/23 ASI says that they will not do this.) Confirm current assumption that a delay with	1			tasks to implement the actions from the Root Cause Analysis to minimize th	s s	started or not it is still
				demos, to show key progress towards completion of 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 major implications. (6/29/23)	,			tasks to implement the actions from the Root Cause Analysis to minimize the risk of another future schedule delay. The ASI did publish a high-level repor	e t	started or not it is still called out as New
73. The planned BES infrastructure is complex. Fors, Michael Bridgine .	10/28/2021 System Decion	Current ASI infrastructure plans include a significant number of	If the level of effort to implement and manage the complexities of the BES	demos, to show key progress towards completion of 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 major implications. (6/29/23) Leverage velocity and burn down charts to adjust development tasks		2 2 Low	Open	tasks to implement the actions from the Root Cause Analysis to minimize th	e t	started or not it is still
which could be difficult to implement and Risk	10/28/2021 System Design	sophisticated components that make up a complex cloud infrastructure.	infrastructure is not accurately accounted for and staffed by the ASI, the	demos, to show key progress towards completion of Epics. (9/29/23 ASI asys that they will not do this.). Confirm current assumption that a delay with the current go-live date will not result in major implications. (6/29/23). Leveraee velocity and burn down charts to adults development tasks  - ASI develop a process to closely monitor cloud and other product changes confirmed to the confirmed confirmed to the confirmed confirmed to the confirmed	Next several	2 2 Low	Open	tasks to implement the actions from the Root Cause Analysis to minimize th risk of another future schedule delay. The ASI did publish a high-level repor- on the Root Cause Analysis. However. It was not clear how these characs. 4/30/2025 - The ASI is reporting they are on schedule to complete the infrastructure activities and tasks. However, 3/31/2025 - No material	2 : 	started or not it is still called out as New for the reader. 2/13/2025 Perhaps
The planned BS infrastructure is complex. Fors, Michael Finding , which could be difficult to implement and Bisk least to schedulin/cert impracts.	10/28/2021 System Design	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 project could be met with unexpected costs and schedule delays. Delays in	demos, to show key progress towards completion of Epics. (9/39/3 ASI says that they will not do this.). Confirm current assumption that a delay with the current go-live date will not result in major implications. (6/29/33) Leverae velocith and burn down charts to adiust develooment tasks.  *ASI develop a process to closely monitor cloud and other product changes (software updates/new releases), manage changes, and regression test once changes/updates are applied. *The project team work to establish strong to	Next several	2 2 Low	Open	tasks to implement the actions from the Rook Cause Analysis to minimize the risk of another future schedule delay. The ASI did publish a high-level report on the Roof Cause Analysis. However, it was not clear how these chances 4/30/2025 - The ASI is reporting they are on schedule to complete the infrastructure activities and tasks. However, 3/31/2025 - No material updates 7/28/2025 - The project continues to build out of some	2 : : : : : : : : : : : : : : : : : : :	started or not it is still called out as New for the reader. 2/13/2025 Perhaps for the next MSR we
which could be difficult to implement and Risk	10/28/2021 System Design	sophisticated components that make up a complex cloud infrastructure.  Further, the Project Team has yet to finalize components that will make up the BES infrastructure and the additional costs and time to configure, test,	infrastructure is not accurately accounted for and staffed by the ASI, the project could be met with unexpected costs and schedule delays. Delays in finalizing the components being implemented could exacerbate this risks	democ, to show key progress towards completion of Epic. (9/29/23 AE) as spit hat they will not do the). Confirm current assumption that a delay with the current go-live date will not result in major implications. (6/39/23) Leverare velocit and burn down charts the adults development tasks - ASI develop a process to closely monitor cloud and other product changes - ASI develop a process to closely monitor cloud and other product change confirmate updater, here releases, in manage changes, and regression test once changes/updates are applied The project team work to establish strong governance over the utilization and maintenance of the various testing governance over the utilization and maintenance of the various testing the confirmation of the confirmation of the services of the confirmation of the services.	Next several	2 2 Low	Open	tasks to implement the actions from the Root Cause Analysis to minimize the risk of another future schedule delay. The ASI did publish a high-level repor- on the Root Cause Analysis. However, it was not clear how these character. 4/30/2025-1the ASI is reporting they are on schedule to compilete the infrastructure activities and tasks. However, 3/31/2025-No material update. 2/88/2025-1the project continues to build out of some infrastructure components for the Secure Enciles. The SAF recently elected infrastructure components for the Secure Enciles. The SAF recently elected for 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 security of secur	2 : 	started or not it is still called out as New for the reader. 2/13/2025 Perhaps for the next MSR we should review the
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which could be difficult to implement and Risk	10/28/2021 System Design	sophisticated components that make up a complex cloud infrastructure.  Further, the Project Team has yet to finalize components that will make up the BES infrastructure and the additional costs and time to configure, test,	infrastructure is not accurately accounted for and staffed by the ASI, the project could be met with unexpected costs and schedule delays. Celays in finalizing the components being implemented could excertable this risks and lead to further delays. Complex platforms often present system maintenance and operations challenges as system changes can hold the increased potential for system fallen (i.e., due to the eight factan number of	domes, to show key progress towards completion of Epics. (1972/37.28 A) says to the level in other Loofferm current securities to the All Loofferm current securities that a delivery to the current policy date will not result in najor implications. (1972/13) learness velocities and second modern share that develocitiement tasks in All Confession process to Cushy months cloud and of other product changes (Confession process to Cushy) months cloud and of other product changes (Confession and Confession and Confession and Episcon and Confession	Next several	2 2 Low	Open	task to implement the actions from the food. Cause Analysis to minimize the old another future schedule delay. The old of publish is high-level report on the food Cause Analysis, However, it was not clear how these channels (A)/20025 The Alls is reporting they are on the food to cause feel the infrastructure activates and tasks. However, 3/13/2025 No material appeals, 2/13/2025 No material to public action of the project continues to build out of some districture components for the Secure finction. The All receivily elected infrastructure components for the Secure finction. The All receivily elected and some districture components for the Secure finction.		started or not it is still called out as New for the reader. 2/13/2025 Perhaps for the next MSR we should review the outstanding recommendations to
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which could be difficult to implement and Risk	10/28/2021 System Design	sophisticated components that make up a complex cloud infrastructure.  Further, the Project Team has yet to finalize components that will make up the BES infrastructure and the additional costs and time to configure, test,	Inflammature is not accurately accounted for and staffed by the AS, the project could be met with unspected could are and schedule delays. Delay in floating the components being implemented could exacerbate this risk with the county of the	domes, to show key progress towards completion of Epics. (1972/37.28 A) says to the level in 60 of this Confirm comer state completion that a delay to the comment of the confirm comer state control to the control to	Next several	2 2 tow	Open	tasks to implement the actions from the food Cause Analysis to immirate or not all another future schedule collay. The old of polishs in high receive on the fact Cause Analysis, thosewer, it was not clear how these chances control of the collasses. The control of the collasses of collasses and collasses interfacts the collasses. The collasses of the collasses and collasses are control of collasses. The discrete update. 27(2):2025. The project continues to build out of come infrastructures components for the focuse for the collasses. The discrete forces of the collasses. The collasses of the collasses are component. The collasses component. This is word potential project design. 21(1):2025. No material update. 12(1):12(2):20. No material update. 11(1):20(2):20. A final finding will be recolassed by the fivit bear after the project team completes the regulatories of the fivit collasses. The collasses of the collasses and schedule for the Fick and Stateveider colloss. 10(1):12(1):21. This forcing and schedule for the Fick and Stateveider colloss. 10(1):12(1):21. This forcing and schedule for the Fick and Stateveider colloss. 10(1):12(1):21. This forcing and schedule for the Fick and Stateveider colloss. 10(1):12(1):21. This forcing and schedule for the Fick and Stateveider colloss. 10(1):12(1):21. This forcing and schedule for the Fick and Stateveider schedule. 10(1):12(1):21. This forcing and schedule for the Fick and Stateveider schedule. 10(1):12(1):21. This forcing and schedule for the Fick and Stateveider schedule. 10(1):12(1):21. This forcing and schedule for the Fick and Stateveider schedule. 10(1):12(1):21. This forcing and schedule for the Fick and Stateveider schedule. 10(1):12(		started or not it is still called out as New for the reader.  2)/13/2025 Penhaps for the next MSR we should review the outstanding recommendations to ensure progress status is reflected accurately.  11/17/2023 - Again, why is OR being referenced here? Per the curvert project schedule, the to RF plan submitted at the end of the year. Reminder: Pilot Go-Live is April 2024.  10/13/10/23 - Ver : westill do notunderstand why.

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			Finding	Identified							Analyst	Finding			
ID Title		Reporter	Type		Category	Observation	Significance	Recommendation	Event Horizon	Impact Probab	llity Priority	Status	Status Update Client Comments	Vendor Comme	nents
70 Insufficient conf	nfiguration management	Fors, Micha	el Finding -	8/23/202	1 Configuration an	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	ASAP	2	2 Low	Open	4/30/2025 -IVV continues to await receipt of the Configuration		
	levelopment confusion and		Risk		Development	Configuration Management Plan, however, it remains unclear if sufficient	ensures the BES is understood and works correctly. The BES solution	in BI-6 DDI Plan, Section 5.2 and clarify details and/or any changes with DHS	i.				Management Plan from the ASI. 3/31/2025 - The ASI has reported		
reduce the effec	ectiveness of defect resolution	on				progress has been made toward establishing CM processes and governance	e, includes tools that may provide a level of automation for Configuration	ASI validate plans for configuration management with DHS and agree on a					progress in updating the project Configuration Management Plan (CMP).		
						selecting CM tools (e.g., CMDB), and building out the CM infrastructure. The	e Management that may reduce errors and should provide the project team	meaningful set of configuration items or settings they will track.					2/28/2025 - The ASI has reported progress in constructing their	5/6/2025	
						projects Security Plan has yet to be finalized which may include additional	with accurate, dynamic and timely information on some of the configuration	n COMPLETED • DHS and ASI work to clarify/solidify plans for the potential					configuration management database within ServiceNow, having recently	Work hand in h	
						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						imported multiple configuration items (Cls). 1/31/2025 - No material	with M&O and	
						relies on Github for tracking of some configurations.	are included in the configuration plan along with the details regarding the	Configuration Management Activities that would provide oversight of					update. 12/31/2024 - No material update. 11/30/2024 - This finding will be	work. Good pro	
							management of the configuration items, reporting and audit features.	configuration management activities and assure defined CM steps and plans					reevaluated by the IVV team after the project team completes the re-	being made and	
								are being followed, are effective, and are achieving DHS objectives for CM.					planning and determines the approach, requirements/functionality, and	everything has i	s been
								7/31/2022					schedule for the Pilot and Statewide rollout. 10/31/24 - This finding will be	stood up.	
													reevaluated by the IVV team after the project team completes the	9/9/2024	
													replanning and determines the approach, requirements/functionality, and		
													schedule for the Pilot and Statewide rollout. 9/26/24 - The ASI had recently	Still in progress	as. Plan
													stated they plan to update their Configuration Management Plan (CMP) list	to update	
													of configuration items (Cis) and CMP procedures by 9/20/24 but has since	Configuration	
													experienced some delays in completing these activities. 8/22/24 - IVV has	Management Pi	
													yet to receive a detailed, comprehensive list of configuration items the ASI	of items. Two	,
													will be tracking. 7/26/24 - No material update for this reporting period.	documents,	
													6/20/24 - No material update for this reporting period. 5/31/24 - IVV has vet to receive a detailed, comprehensive list of configuration items the ASI	management pl	
													will be tracking. 4/30/24 - IVV has yet to receive a detailed, comprehensive	(end of week),	
													list of configuration items the ASI will be tracking, 3/31/24 - Responsibility	Configuration	
													for the Configuration Management Plan (CMP) reverted to the ASI	Management procedures (mo	
													(previously, the DHS Security Contractor was updating the CMP for related	detailed). Worl	
													security controls). The ASI is resuming this scope of work at a time when its	detailed). Work with Mark M or	
													resources are stretched and may lead to CMP and configuration	should be inclu	
													management quality challenges. 2/29/24 - No material update in this	Trying to work	
													management quality challenges. 2/29/24 - No material update in this reporting period. 1/23/24 - No material update in the reporting period.	folks who really	
													reporting period. 1/25/24 - No material opdate in the reporting period.	TORS WITO TEATING	

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