DAVID Y. IGE GOVERNOR





OFFICE OF ENTERPRISE TECHNOLOGY SERVICES

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October 13, 2022

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

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

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

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

Sincerely,

12mula

Douglas Murdock Chief Information Officer State of Hawai'i

Attachments (2)



Hawaii Department of Human Services \$ystems Modernization Project

Final IV&V Status Report for Reporting Period: August 1 – 31, 2022

Submitted: September 16, 2022



Solutions that Matter

Overview

- Executive Summary
- <u>IV&V Findings and Recommendations</u>
- <u>IV&V Engagement Status</u>
- <u>Appendices</u>
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Solutions that Matter

Executive Summary



Executive Summary



In August, although progress occurred in some areas, the Project is facing significant challenges that must be addressed, including:

- Corrective Action Plan (CAP) DHS requested a CAP from the ASI to address the root causes of the continued schedule delays. The ASI provided a "plan to create the plan", requiring more time for the ASI to identify and document the muchneeded corrective actions. Should DHS accept this approach, the BES project duration is likely to extend further.
- Project Schedule Although the ASI agreed to provide a revised Project Schedule to DHS by August 12, 2022, the ASI failed to deliver, and they have yet to provide DHS with a revised target date.
- ASI Staffing As reported in prior status updates, the ASI stated the development delays were primarily the result of severe ASI staffing shortages. The ASI reported they developed a staffing mitigation plan but, have not shared it with DHS or IV&V. The ASI leadership communicated that they are pausing the implementation of the staffing mitigation plan until they have Project Schedule approval, but no Project Schedule was delivered to DHS.

IV&V continues to question the ASI's ability to deliver the BES solution in accordance with all contractual requirements. This is based on factual data that the ASI has not delivered the expected results as planned and scheduled over the last 4 years. This challenge is immense and requires strong experienced DD&I leadership to develop a realistic plan with a corresponding schedule and deliver the solution as planned.

| Jun | Jul | Aug | Category | IV&V Observations |
|-----|-----|-----|-----------------------|--|
| н | Н | Н | Project Management | This category remains a red status. The ASI did not deliver the revised project schedule or CAP as planned and has not completed the GCP Change Request (CR) for DHS' review/approval. (Red since July 2020) |

Executive Summary



| Jun | Jul | Aug | Category | IV&V Observations |
|-----|-----|-----|--|--|
| м | М | М | System Design | Although the ASI is now assigning multiple Business Analyst (BA) staff to all design sessions, the Senior BA for the CMM module left the project, which may impact the project team's ability to facilitate the design and associated artifacts for this module. |
| м | М | M | Configuration and Development | The ASI plans to add 50 resources to the project to address the ongoing development delays. However, the ASI does not plan to hire those resources until the schedule is approved by DHS even though the ASI has not provided a revised project schedule to DHS for review and approval. |
| м | м | M | Integration and Interface Management | Progress toward finalizing the Memorandums of Agreements with two interface partners continued in August, with a third continuing to move through design. The lack of a schedule to share with the interface partners may have an impact to interface activities. |
| м | м | м | Testing | The ASI recommended an ADA Compliance tool to DHS. DHS is currently evaluating the ASI's recommendation. The ASI is waiting on DHS approval/acceptance before completing the purchase and installation. |
| Н | Н | Н | Security and Privacy | There continues be a significant amount of work for the BES Security functionality. The ASI is adjusting security staffing assignments to minimize the risk, but time is needed to determine the impact. |

As of the August 2022 reporting period, PCG is tracking 16 open findings (9 risks, 7 issues) and has retired a total of 59 findings. Of the 16 open findings, 8 are related to Project Management, 2 in Integration and Interface Management, 1 in Testing, 2 in System Design, 2 in Configuration and Development, and 1 in Security and Privacy.



The following figure provides a breakdown of <u>all</u> IV&V findings (risks, issues, concerns) by status (open, retired).





Findings Retired During the Reporting Period

| # | Finding | Category |
|----|--|----------------------------------|
| 16 | Issue – Lack of clear understanding of the DDI approach may reduce effectiveness of all SDLC Processes. DHS leadership and IV&V agree that the new design process is understood by the project team and being followed. Therefore, IV&V is retiring this issue. | Configuration and Development |
| 77 | Issue – Insufficient DHS Security Resources on the BES Project may lead to delays in completing security tasks and the System Security Plan (SSP) – Low IV&V is retiring this issue as DHS has remediated the BES security staffing issue. | Security and Privacy |



Preliminary Concerns Investigated During the Reporting Period

| # | Finding | Category |
|----|--|--------------------|
| | Lack of the required ASI staff may reduce project productivity and quality of the BES design that may lead to schedule delays. | |
| 81 | Observation: DHS stakeholders and IV&V have observed that working session productivity has been hindered by the lack of sufficient knowledge, capabilities, and expertise of some ASI team members. IV&V acknowledges that some ASI staff are skilled and knowledgeable. However, lack of skilled and experienced staff in all design sessions will likely have negative downstream impacts. Additionally, the ASI recently announced the departure of some of their most capable and experienced resources. | Project Management |

Findings Opened During the Reporting Period

| # | Finding | Category |
|---|---------|----------|
| | None | |

| ; | # | Key Findings | Criticality Rating |
|---|---|---|-----------------------|
| | 2 | Issue – Late Delivery of project deliverables has caused schedule delays . The ASI is behind schedule with development activities which will impact the critical path. Without an approved schedule, however, it is difficult to determine what is behind schedule and what impacts late deliverables or activities will have to project deadlines. | М |

| Recommendations | | |
|---|------------|--|
| Despite not yet having a revised baseline schedule, continue monitoring and analyzing deliverables that may have impact to the critical path. | In process | |

| # | Key Findings | Criticality Rating |
|----|---|-----------------------|
| 29 | Issue – Uncertainty and/or a lack of communication around long-term architecture decisions could impact the project budget, schedule, system design, and planning decisions. No material update for this reporting period. | L |

| Recommendations | | |
|--|------------|--|
| The Project should continue to vet possible architectural change impacts to the platform (e.g., ADA, Configuration Management tools), M&O, MQD, and BES systems before finalizing architectural decisions. | In process | |
| DHS continue to request ASI perform due diligence in any recommendation for foundational architecture change decisions and continue to review with appropriate DHS stakeholders to assure a common understanding of the implications of these decisions. | In process | |
| The Project should continue to ensure communication between development leads and architecture leads to assure optimal collaboration on possible architecture changes that could impact decisions in each area. | In process | |
| Maintain current communication processes to ensure regular communication between the architecture team and the rest of the project team to assess impacts of architecture decisions to the Project. | In process | |

| # | Key Findings | Criticality Rating |
|----|---|-----------------------|
| 43 | Issue – DHS PMO project team members have transitioned off the Project, which may cause gaps in knowledge transfer and leadership on the Project. | H |
| | DHS continues to seek applicants for the three PMO positions; these positions remain unfilled. | |

| Recommendations | Progress |
|---|------------|
| • DHS continue to work with the appropriate organizations to identify the funds necessary to fill these positions. | In process |
| DHS consider other options (Contractors, State employees borrowed from other agencies) to fill these positions if there is ongoing difficulty in finding permanent hires. | In process |

| # | Key Findings | Criticality Rating |
|----|--|-----------------------|
| 47 | Risk – The COVID-19 pandemic and the related "stay at home" order could hinder project activities and negatively impact the project schedule and budget. No material update for this reporting period. | L |

| Recommendations | | Progress |
|-----------------|--|------------|
| regula 12 mo | st the Project and DHS create a detailed, documented risk mitigation strategy and plan that is reviewed rly and revised to address the current state of the COVID-19 threat and related impacts over the next 6 to nths. The plan should include the possible economic impacts to the state budget directly related to t resources. | In process |
| | broad communications to stakeholders to assure clear understanding of changes to the Project with this to impacts of COVID as well as clarifying communications as to what will remain the same. | In process |
| | t leadership continue to encourage independent phone conversations to enhance and accelerate unications, and for team members not wait for meetings to converse. | In process |

| # | Key Findings | Criticality Rating |
|----|---|-----------------------|
| 49 | Issue – Poor quality project deliverables may impact system design, testing artifacts and the project schedule. | L |
| | No material update for this reporting period. | |

| Recommendations ASI review the Quality Management Plan to ensure that the Project is working within the Quality guidelines. In particular, the ASI should evaluate and consider if it is in alignment with Section 3.1.2 Measure Project Quality. | |
|---|------------|
| ASI review the Quality Management Plan to ensure that the Project is working within the Quality guidelines. In particular, the ASI should evaluate and consider if it is in alignment with Section 3.1.2 Measure Project Quality, which states "ASI measures process and product quality by 1) selecting BES implementation process and product attributes to measure; 2) selecting component activities to measure; 3) defining value scales for each component activity; 4) recording observed activity values; and 5) combining the recorded attribute values into a single number called a process quality index." IV&V has not seen evidence indicating the ASI is utilizing metrics to measure its process and product quality. | In Process |

| # | Key Findings | Criticality Rating |
|----|--|-----------------------|
| 71 | Issue – The lack of the final agreement on the scope and costs of the GCP Change Request (CR) may lead to unanticipated DHS costs, schedule delays, and/or the need to reduce scope. The ASI submitted a detailed project impact analysis to DHS and provided a demonstration of the current environment to DHS. The ASI is planning to provide DHS a GCP Best and Final Offer (BAFO) for review. | н |

| R | ecommendations | Progress |
|---|--|------------|
| • | The ASI should document the current environment M&O activities to ensure all activities are known with a clear understanding of the "AS IS" and "TO BE" model for services beginning with the DDI, through Pilot/Implementation and M&O. | In process |
| • | The ASI clearly document the scope of work and cost for the GCP CR during DDI and M&O and provide to DHS for approval. | In process |



| # | Key Findings | Criticality Rating |
|----|---|-----------------------|
| 74 | Risk – The lack of a BES Project schedule based on accurate estimations diminishes effective planning and resource management, which could result in late deliverables, cost increases, and a late go-live. The ASI indicated that substantial changes and improvements were made to the schedule but did not deliver the revised draft to DHS by the August 12 th deadline nor has the ASI provided DHS with a new target date for delivery. Without a project schedule, it is difficult for the Project to plan future activities such as hiring required resources to staff the Project. | H |

| Recommendations | Progress |
|---|------------|
| Using the available tools, review the current estimates to complete each activity compared to past actual hours. | In process |
| Update as necessary and provide the DHS/ASI project managers with reports and data that accurately reflect the DHS/ASI resource needs along with over/under allocations of staff for the duration of the Project. | In process |
| Develop mitigation and contingency plans that are tracked/managed by DHS/ASI for all tasks that are behind schedule or are at risk of being behind schedule which includes resource management. | In process |
| Discuss, validate and address additional concerns within the project processes that may cause the project delays other than inaccurate estimates such as over reliance on POs, slow design sprints, and cadence of development teams. | In process |
| DHS and the ASI agree to a revised schedule against which project deliverables can be managed. | In process |

| # | Key Findings | Criticality Rating |
|----|--|-----------------------|
| 76 | Risk – Volunteer DHS resources leaving the Project may lead to schedule delays, lower morale, and burnout. | M |
| | No material update for this reporting period. IV&V continue to monitor. | |

| Recommendations | |
|---|------------|
| Allocate more time for the DHS team members to dedicate time to the Project. | In process |
| Carefully plan for all project activities with reasonable hour allocations for the DHS resources and adjust dates in the BES Project schedule accordingly. | In process |
| Add cushion time to the schedule for unexpected project delays. | In process |
| Provide incentives for the DHS resources to help maintain the project team and possibly alleviate attrition or increase the number of volunteers to the team. | In process |



Integration and Interface Management

| # | Key Findings | Criticality Rating |
|----|---|-----------------------|
| 63 | Risk – The lack of early planning and coordination with interface partners may result in schedule delays. The status-of the three remaining required agreements (DAGS, DLIR, HYCF) have not changed. The lack of a project schedule may impact the interface partners ability to plan for and support BES interface testing. IV&V is evaluating the lack of an approved schedule on the criticality rating for this finding. | L |

| Recommendations | Progress |
|---|------------|
| Complete all MOAs and obtain approval. | In process |
| Confirm testing dates with interface partners in writing. | In process |



Integration and Interface Management

| # | Key Findings | Criticality Rating |
|----|--|-----------------------|
| 79 | Issue – External vendor delays in the development of the BES task management system (Current) interface have impacted the project schedule. No material update in the reporting period. | M |

| Recommendations | |
|---|-------------|
| • Ensure that there is an agreement between DHS and C!A to address roles/responsibilities and outcomes. | In process |
| The ASI provide test results from the task management integration to ensure that the interface works. | Not Started |



Configuration and Development

| # | Key Findings | Criticality Rating |
|----|--|-----------------------|
| 70 | Risk – Insufficient configuration management could lead to development confusion and reduce the effectiveness of defect resolution. The ASI updated the Configuration Management Plan (CMP) with additional configuration management details. | |

| Recommendations | |
|---|----------------|
| ASI adhere to plans for configuration management as documented in BI-6 DDI Plan, Section 5.2 and clarify details and/or any changes with DHS. | In process |
| ASI validate plans for configuration management with DHS and agree on a meaningful set of configuration items or settings they will track. | In process |
| Project work to clarify/solidify plans for the potential use of configuration management tools and DHS work to fund and procure a CM tool, as required, to avoid any negative impacts to the project. | Not Started |



Configuration and Development

| # | Key Findings | Criticality Rating |
|----|---|-----------------------|
| | Risk – Development delays could negatively impact the project schedule and delay go-live. | |
| 80 | The ASI continues to onboard additional development resources, stating they added 2 on-shore and 2 off- shore developers to their team. Though an updated schedule has yet to be completed by the ASI, they estimate they will need approximately 50 additional resources to assure adequate velocity and cadence to complete the project in the proposed timeframe. However, until a revised schedule is available the actual number of additional resources needed is not known. The ASI is delaying full recruitment for these positions until the project schedule is approved but have not submitted the revised schedule to DHS. | М |

| Recommendations | Progress |
|--|------------|
| Complete and execute remediation plan based on the result of a Root Cause Analysis (RCA). | In process |
| ASI consider moving/adding/replacing project team resources strategically to effectively increase velocity. | In process |
| ASI track and regularly provide DHS with an accurate velocity (e.g., story points per day/week/month) and assure that the current velocity is accurately and consistently reflected in the project schedule. | In process |

System Design

| # | Key Findings | Criticality Rating |
|----|---|-----------------------|
| 61 | Issue – Poorly executed JAD and "design sessions" could lead to inaccurate design and rework. The ASI's addition of senior BAs to the design sessions has resulted in improvement. The Senior BAs offer guidance to ensure the project team remains focused on the design. Unfortunately, one of the Senior BAs has left the project so it is unknown if this practice will continue for all BES design sessions. | М |

| Recommendations | Progress |
|---|------------|
| The facilitator should use their expertise to drive discussions through leading questions. | In process |
| BAs should come to Day one of Design Sprint fully prepared to facilitate discussion on topic of sprint, with adequate knowledge about business process and approach for design based on JAD/JAR notes and other pertinent material. | In process |





System Design

| # | Key Findings | Criticality Rating |
|----|---|-----------------------|
| | Risk – The planned BES infrastructure is complex which could be difficult to implement and maintain and could lead to schedule/cost impacts. | |
| 73 | The ASI intends to engage two 3rd-party vendors to assist with the production environment build (once the GCP change order is approved), which could increase their velocity. The inclusion of these vendors could also mitigate the risk of maintaining a complex infrastructure if these vendors can provide experts who have significant experience with cloud infrastructure and related tools. | M |

| Recommendations | Progress |
|--|----------------|
| ASI clearly communicate the potential costs and schedule impacts to implementing the planned infrastructure. | In process |
| DHS work with the ASI to assess the potential challenges of maintaining a complex environment and consider scaled back options that could reduce this risk and reduce long-term support costs. | In process |
| ASI develop a process to closely monitor cloud and other product changes (software updates/new releases), manage changes, and regression test once updates are applied. | In process |
| The project team work to establish strong governance over the utilization and maintenance of various components to simplify their use and monitoring. | Not Started |
| ASI development team identify infrastructure components and techniques that are new to them and take action to assure potential integration problems do not lead to unexpected delays. | Not Started |



Testing

| # | Key Findings | Criticality Rating |
|----|--|-----------------------|
| 67 | Risk - The Americans With Disabilities Act (ADA) Section 508 compliance tool has not been installed for the Project, which may cause significant rework. | M |
| 67 | No change in status. Waiting on DHS acceptance/approval to move forward with purchase, installation, configuration, and implementation of the ASI-recommended ADA compliance tool. | |

| Recommendations | |
|--|------------|
| The ADA tool meets contractual and project requirements. | In process |
| The ASI communicates a plan for ADA test execution. | In process |
| The ASI communicates how the tool will be used to report compliance and non-compliance and how non- compliance will be addressed/corrected | In process |
| The ASI communicates how and when DHS/IV&V will be provided the reports from the ADA tool execution and how to interpret the results. | In process |

Security and Privacy

| # | Key Findings | Criticality Rating |
|----|---|-----------------------|
| 68 | Risk - Insufficient planning/execution of the BES Security Plan activities may lead to delays in gaining Federal Partner approval for the BES Project to begin the Pilot Phase. IV&V recommends that Security SMEs leading security and privacy-focused workshops and technical sessions have a depth of experience in NIST 800-53 and with experience authoring implementation statements of System Security Plans (SSP). The ASI will be changing the ASI security lead in September 2022. | H |

| Recommendations | Progress |
|--|---------------|
| The ASI continue to develop the BI-13 Security Plan in close collaboration with DHS. | In process |
| DHS and the ASI agree upon the tools and process that will be used to document and track security control implementation, such as security governance, risk, and control (GRC software). The process should define the level of detail needed to track progress (estimates, target dates, risks, issues, evidence) along with the Requirement Traceability Matrix, and plans of actions and milestones (POAM). | le In process |
| ASI add a Security Architect to the Project ASAP to assist with the Security Plan activities. | In process |
| ASI ensure that the ASI Security Lead has a depth of experience in NIST 800-53 and experience authoring implementation statements of System Security Plans (SSP). | Not Started |





IV&V Status

IV&V Engagement Status

| IV&V Engagement Area | Мау | Jun | Jul | Comments |
|----------------------|-----|-----|-----|---|
| IV&V Budget | | | | |
| IV&V Schedule | | | | |
| IV&V Deliverables | | | | PCG submitted the final July IV&V Monthly Status Report. |
| IV&V Staffing | | | | Al Pangelinan has left PCG and is no longer supporting the BES IV&V team. |
| IV&V Scope | | | | |



IV&V Activities



- IV&V activities in the August reporting period:
 - Completed July Monthly Status Report
 - Ongoing Review the BES Project Artifacts and Deliverables
 - Ongoing Attend BES Project meetings, (see Additional Inputs pages for details)
 - Reviewed available ASI Original Contract and BES Optimization contract amendment documentation
- Planned IV&V activities for the September 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 Observe Agile Development 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 weekly DHS and IV&V Touch Base meetings
 - Ongoing Review BES artifacts and deliverables

Deliverables Reviewed



| Deliverable Name | Deliverable Date | Version |
|---|---------------------|---------|
| BI-15 Release 0.8 Fully Configured and Developed System – DRAFT | 8/26/2022 | V0.2 |
| BI-10 Release 0.9b CMM Broadcast Notification – DRAFT | 8/25/2022 | V0.1 |
| BI-10 Release 0.8 FMM EBT Core(Iteration 3) | 8/25/2022 | V1.0 |
| BI-10 Release 0.8 FIS Interface Consumption (Iteration 3) | 8/25/2022 | V1.0 |
| BI-10 Release 0.8 FMM Card Issuance (Iteration 3) | 8/25/2022 | V1.0 |
| BI-22 Release 0.9a System Test Report – DRAFT | 8/24/2022 | V0.1 |
| BI-10 Release 0.10 FMM – DRAFT | 8/15/2022 | V0.1 |
| BI-10 Release 0.9b Financial Management Module – DRAFT | 8/55/2022 | V0.1 |
| BI-10 Release 0.8 FMM EBT Core(Iteration 2) | 8/11/2022 | V1.0 |
| BI-10 Release 0.8 FIS Interface Consumption (Iteration 2) | 8/11/2022 | V1.0 |
| BI-10 Release 0.8 FMM Card Issuance (Iteration 2) | 8/11/2022 | V1.0 |
| BI-10 Release 0.9 CF Create a Task - DRAFT | 8/3/2022 | V0.1 |
| BI-22 Release 0.8 System Test Report (Iteration 1) | 8/2/2022 | V1.0 |

Additional Inputs – Artifacts



| Artifact Name | Artifact Date | Version |
|---|--|-----------|
| Unisys Contract Amendment 3 | 4/17/2020 | N/A |
| FNS Handbook 901 | 01/2020 | V2.4 |
| BES Project Schedule (BI-5) | 8/05/2022 | _08052022 |
| BES Weekly Status Report | 8/31/2022 8/24/2022 8/17/2022 8/10/2022 8/3/2022 | N/A |
| BES Risks and Issues Log | N/A | N/A |
| BES Interface Communication Plans and Interface Control Documents | N/A | N/A |
| NIST Special Publication 800-53 Security and Privacy Controls for Information Systems and Organizations | 12/20/2020 | Rev.5 |
| BESControls_8_22_22.docx | 8/22/2022 | N/A |
| BES New System Certifications_8_28_22.pptx | 8/28/2022 | N/A |
| | | |

Additional Inputs



Meetings and/or Sessions Attended/Observed:

- 1. Weekly Platform Status Meeting 8/2/2022, 8/9/2022, 8/16/2022, 8/23/2022, 8/30/2022
- 2. Bi-Weekly Project Status Meeting 8/3/2022, 8/17/2022, 8/31/2022
- 3. Bi-Weekly BES PMO and IV&V Touch Base 8/4/2022, 8/18/2022
- 4. Weekly BES Dev Stand-up 8/3/2022, 8/10/2022, 8/17/2022, 8/24/2022, 8/31/2022
- 5. Weekly BES Project Schedule Review Meeting- 8/2/2022, 8/9/2022, 8/16/2022, 8/23/2022
- IV&V Team Meeting 8/1/2022, 8/4/2022, 8/8/2022, 8/11/2022, 8/15/2022, 8/18/2022, 8/22/2022, 8/25/2022, 8/29/2022, 8/31/2022
- 7. Weekly DHS-Unisys Security Touchpoint 8/2/2022, 8/9/2022, 8/16/2022, 8/23/2022, 8/30/3033
- 8. C!A Bi-Weekly Meeting 8/4/2022, 8/4/2022, 8/18/2022
- 9. BES Security Controls Meeting 8/4/2022, 8/11/2022, 8/18/2022, 8/25/2022
- 10. BES Testing Touch base 8/10/2022, 8/24/2022
- 11. HI DHS BES July Draft IV&V Report Review 8/11/2022
- 12. Bi-Weekly DHS and IV&V Touch Base Meeting 8/9/2022, 8/23/2022
- 13. ASI/IV&V Mid-month Check-in 8/19/2022
- 14. ASI and IV&V Pre-Draft Report Review 8/2/2022
- 15. Executive Steering Committee Meeting 8/18/2022
- 16. HI BES ASI and IV&V Touch Base Functional Team 8/17/2022
- 17. HI BES ASI and IV&V Touch Base Technical Team 8/17/2022
- 18. Monthly Project Risk and Issue Review Meeting 8/17/2022
- 19. Implementation Planning 8/10/2022, 8/24/2022
- 20. CO19 Manage Provider 8/1/2022, 8/3/2022, 8/5/2022, 8/10/2022

Additional Inputs – Continued



Meetings and/or Sessions Attended/Observed:

- 21. R0.13 Correspondence Specs 8/1/2022, 8/3/2022, 8/5/2022, 8/10/2022
- 22. CO23b Manage Interface Verification 8/1/2022, 8/3/2022,
- 23. FM50k Receive FIS Data Inactive/Dormant/Expunged File / FM50l Receive FIS Data Grant Expungement File 8/2/2022, 8/4/2022, 8/5/2022, 8/9/2022
- 24. R0.14 Report Specs 8/2/2022, 8/3/2022, 8/3/2022, 8/4/2022, 8/9/2022, 8/11/2022, 8/15/2022, 8/18/2022, 8/23/2022, 8/24/2022, 8/25/2022, 8/29/2022, 8/30/2022
- 25. Manage SMRF 8/2/2022, 8/4/2022, 8/9/2022, 8/10/2022, 8/11/2022, 8/16/2022
- 26. CO11 Restore Program 8/2/2022, 8/4/2022, 8/9/2022, 8/11/2022, 8/29/2022
- 27. PE04 Override Eligibility 8/3/2022, 8/9/2022, 8/11/2022, 8/16/2022, 8/18/2022, 8/23/2022, 8/24/2022
- 28. FM53 Receive Lockbox Data 8/4/2022, 8/10/2022, 8/18/2022, 8/23/2022, 8/23/2022
- 29. CF52a Manage Documents 8/12/2022, 8/15/2022, 8/17/2022, 8/22/2022
- 30. FM23a Manage Write-Offs 8/12/2022, 8/16/2022, 8/18/2022, 8/23/2022, 8/25/2022, 8/29/2022
- 31. FM51b Receive FNS Data 8/15/2022, 8/17/2022, 8/22/2022, 8/24/2022, 8/24/2022, 8/30/2022
- 32. CO54b Send BEER Data 8/16/2022, 8/18/2022, 8/23/2022, 8/29/2022
- 33. CF71 Manage Supervision 8/17/2022, 8/22/2022, 8/23/2022
- 34. FM30 View Overpayment List 8/29/2022
- 35. PE11a Review Additional Budget Details 8/29/2022
- 36. IF25 CYRCA ICD 8/30/3033
- 37. MDM Consent Management 8/30/2022
- 38. Weekly Functional PMO Meeting 8/1/2022, 8/8/2022, 8/15/2022, 8/22/2022, 8/29/2022
- 39. Data Conversion PMO meeting 8/1/2022, 8/8/2022, 8/15/2022, 8/29/2022
- 40. Weekly Interfaces PMO Meeting 8/1/2022, 8/8/2022, 8/15/2022, 8/22/2022, 8/29/2022

Additional Inputs – Continued



Meetings and/or Sessions Attended/Observed:

- 41. PMO Meeting Structure Testing 8/4/2022, 8/11/2022, 8/18/2022, 8/25/2022
- 42. PMO Meeting Structure BES Development 8/4/2022, 8/11/2022, 8/18/2022, 8/25/2022
- 43. PMO Meeting Structure AH/MDM/SSP Development 8/9/2022, 8/16/2022, 8/23/2022, 8/30/2022
- 44. BES Design Sprint Retrospective & Planning 8/5/2022, 8/26/2022
- 45. BES CCB Monthly Meeting 8/10/2022
- 46. DDI Architecture Review 8/4/2022, 8/22/2022
- 47. [BES] Screen Prototype Review FMM FM50k Receive FIS Data Inactive/Dormant/Expunged File / FM50l Receive FIS Data Grant Expungement File 8/11/2022
- 48. [BES] Screen Prototype Review CMM CO19 Manage Resources 8/11/2022
- 49. R0.9 SIT Go/No Exit 8/16/2022
- 50. [BES] Screen Prototype Review CMM CO14 Manage SMRF 8/18/2022
- 51. Disqualification List 8/23/2022
- 52. [BES] BI-22 Release 0.9a Walk-Through System Test Report 8/25/2022
- 53. [BES] Screen Prototype Review CMM PE04 Override Eligibility 8/25/2022
- 54. [BES] Screen Prototype Review FMM FM53 Receive Lockbox Data 8/25/2022
- 55. [BES] R0.9c Sprint End Client Demo SSP Accessibility 8/29/2022
- 56. Review Draft UAT Outline 8/31/2022






Appendix A – IV&V Criticality Ratings

| Criticality Rating | Definition |
|-----------------------|--|
| • | 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 |
| РМО | Project/Program Management Office |
| PMP | Project Management Plan |
| QA | Quality Assurance |
| QM | Quality Management |
| RFP | Request for Proposal |
| ROM | Rough Order of Magnitude |
| RMP | Requirements Management Plan |
| RTM | Requirements Traceability Matrix |
| SEI | Software Engineering Institute |
| SLA | Service-Level Agreement |
| SME | Subject Matter Expert |

Appendix C – Acronyms and Glossary

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

Appendix D – Background Information

Systems Modernization Project

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

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

Systems Modernization IV&V Project

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

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

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

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

Appendix D – Background Information

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

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

PCG's Eclipse IV&V® Technical Assessment Methodology

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

IV&V Assessment Categories for the BES Project

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

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

Ending Slide



Solutions that Matter

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| The Reports Each of the required AS staff may reduce project productivity and guality of the BES design that may lead to schedule delays. | Finding Type Concern | identified Category Date Category 9/8/2022 Project Management | Chemicals off's fashibitism and NY have observed that evolving assisting productivity has been hindrer dby the last of aufficient teorolegic, populatilies, and expertises of anose Alta and Anovelegishabits. Another Alt staff are skilled and forwidgeable. However, lack of skilled and experienced aff in all dogs and | productive, and high-functioning team. If the ASI is not able to maintain this | Reammendation | Event Horizon ASAP | Impact Pri 3 | Analyg Polositi 3 High | t Finding y Status Open | Stanu Updee | Gleit Connents | Vendor Comments |
|--|----------------------------|--|--|--|--|-----------------------|-----------------|------------------------------|-------------------------------|--|---|-----------------|
| Development délay could negatively inpact Mithael Fors the project schedule and delay go live. | Finding - Risk | 6/30/2022 Configuration and Development | All regorded development activities have been dowed at the hy-love been unable to achieve and/or mutation there availed development velocity, material strategies and the strategies and the strategies and the material strategies and the strategies and the strategies and the development tarean velocities and the strategies and the strategies and analysis and the strategies and the strategies and the strategies and task level of effort (i.e., stray points) in the past and the AS has been challenged with finding a point challenge that accurately entited integrategies with finding qualified resources in a timely manner. | If the ASI is unable to achieve a variancity more to planned milliteations, schedule darks, may lead to a chief lead spitrating plane darks. Failur to to chief lead their party of the spitration of the spitration of the spitration of the dark project activities. BHS is annotable, and VW gares, that some these darks could be also mark ASI Bio Linking the expertise merguined or create spitration darks and spitrations that developers could consume discuss the sections. A spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven. Bus discuss the spitration of the ASI Bio ASI haven discuss the spitration of the asian asian the spitration of the asian discuss the spitration of the asian dis discuss the spitration of the asian discus | Root Cause Analysis (RCA) - ASI consider moving/adding/replacing project team resources strategically to effectively increase velocity. Note that adding additional junior resources may not be as effective as staffing additional experiment level development, analysis, and other resources. • Request the ASI effectively track and regularly provide DHS [potentially va- he weekly DGI status meeting) with an accurate velocity (e.g., storp points | Immediate | 3 | 3 Med | Open | OUTRATS. The AGI continues to endowed additional development resource attempt to by addie a book or and 2 of developments that thera attempt to the data that the top will need additional transmission of the top additional development and the top will need additional transmission of the top additional development and the top will need additional transmission of the top additional development and the top will need additional transmission of the top additional development and the top will need additional transmission of the top additional metal metal and the top will need a top additional transmission of the top additional have not subwerted the revised a top the top additional transmission of the top additional patients in the top additional transmission of the top additional transmission additional transmission of the top additional transmission of the top additional transmission of the top additional transmission of the top additional transmission of the top additional transmission of the top additional transmission of the top additional transmission of the top additional transmission the level of effect to addets and additional transmission of the top | er - - - - - - - - - - - - - - - - - - - | |
| Editranal window didays in diselement di Metala Ilay In BSI Saka magament system (Current) Interface have impacted the project schedule. | Finding - Issue | 6/3/2022 Integration and Interface Management | ASI has not received any status from CIA. The webhook is currently holding up the design of the CP44 – Manage CIA Data use case for Release 0.8. | Current (previous) known as derhand as tak managemen system developed by the Charge and Innovation Agency (CA). The Department of Human Services (DHS) unes the current system to manage and creater case trained task. The developed hybrid and the Charge and the Charge and the Current system to manage tasks. The EES system will create task and will define the Current System in Schwarz (San Jan Service) and the Manage and San Service) and the San Service and San Service manage tasks from within the Current system. The webbook is being designed by CA have all imported task deals for curso that have been tagged as "No Cartact." This is a requirement to meet the design of the CHAP - Unage CA Chargo case. The AD has tasked that webbook is required - Unage CA Chargo case. The AD has tasked that webbook is required - Unage CA Chargo case. The AD has tasked that webbook is required | Scheduler recarring meetings with CLA to ensure consistent communication between OHS, the AVD, van de CLA compared. The ASJ provide test results from the task management integration to ensure that the interface works. | Q3 | 5 | 1 Med | Open | ADE/TOZ - 20: In material lightins in the registring period. 1980/2022. His has decided not do tachili ha asystement with CAI bet tack managements when and because this currently has a tackordiption that includes the ES regularments. The ADE/TOX - DOS (1997) and the analysis of the additional asystemet with the additional systemet with the additional system (1997) and (1997). The tack takes the additional asystemet with the additional system (1997) and (1 | | |
| Volutier DKF resources leaving the Project. Earl Burba morale as scholded days, lowered morale, and burnout. | Finding - Rak | J/J/202 Project Mangement | volunteers except one. Resources are not in dedicated roles within the team | The reglecement of DMF resources in project roles (e.g., testers and product owner) is not guaranteed and the Sirvey state that the additional resources will be assigned to the testems. It is a risk in the Project that explose the state of the provided, their training will add to the workloads of current DHS project resources. | the DHS resources and adjust dates in the BES Project schedule accordingly. • Add cushion time to the schedule for unexpected project delays. • Provide | mmedate | 4 | 2 Med | Open | 47/2022 - Non-based update to the reporting period. We continue the monitors "77/2022. The smartural update the two reporting period. 7/6/2022 - Non-based, bed and belowing the start to the BS Project: period the start to the start to the start to the BS Project. The start of the start of the start to the start to the start to the start update the two reports the start and below the start to the start start to the start start of the start of the start to the start start to the start start start and the start of the start start start start to the start start start to the start st | | |
| The lack of a BLS Project schedule based on Ryan Tan accurate estimations densities effective environment of the schedule schedule schedule could reach in the elementatic cost increases, and a late go-live. | Finding - Issue | 11/29/2021 Project Management | results that have not yielded improvement. Concerns with the structure, estimating practices, and ability to manage to the schedule persist. The use | | Using the available tools, review the current estimates to complete each activity compared to past actual hours. • Ipdate as necessary and produce the compared to past actual hours. • Ipdate as necessary and produce the Dis/A/S encourse of the product actual too of the Dis/A/S encourse with the project • Discoss, validate and address additional other than insccurate estimates such as over retaince on PGA, slow degra other than insccurate estimates such as over retaince on PGA, slow degra envised schedule against which project deliverables can be managed. | Immediate | 4 | 4 Hgh | Open | process, loading resources will have increased impact on delivery and the 471/2022 - The Oliver indicated that substances have any ender presented are made to the schedule back do not deliver the resource darm to the back and the schedule back of the deliver of the schedule and the the back and the schedule back of the deliver of the schedule and the deliver of the schedule back of the schedule and presented and the schedule back of the schedule and the deliver of the schedule back of the schedule back of the schedule plan future activities such as height presented resources, to start the schedule annual like activities and an king the schedule back of the schedule annual like activities in the activities and the schedule and the schedule annual like activities in the activities and the schedule and the schedule annual like activities to the activities plane and plane datas. After future analy the Ad anticitogue resources is that activities to the activities of a schedule and plane the schedule plane of the schedule plane and plane datas. Schedule and plane the schedule plane of the schedule plane and plane datas. Schedule and plane data schedule to the activities plane and plane datas. Schedule and plane data schedule to the schedule plane and the schedule and plane data schedule to the schedule plane and the schedule and plane data schedule and plane and the schedule and the sched | 5 5 5 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | |
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| ID Title | Reporter | Finding Type | Identified Date Category | Observation | Significance | Recommendation | Event Horizon | Impact P | Analyst robability Priority | Finding Status | Status Update | Client Comments Vendor Comme |
|---|-----------------|-----------------|---|---|--|--|---------------|----------|--------------------------------|-------------------|---|---|
| 17 The planed BS infrarture is complement and which call be difficult to implement and lead to schedule/cost impacts. | Michael Fors n | inding - sk | 10/24/2021 System Design | Current & Al Infrastructure plans include a significant number of sophisticated composes that make up a point could infrastructure. Further, the Project Team has yet to finalize components that will make up and implement the planned complex environment remain unclear. | | implement and maintain the planned infrastructure. The Architecture process should output developed the inflag state of the soft architectural decisions to include the inflag state. support inguing, and maintainmance and appearations puscif, a PIS stave with the and consider scaled table appearation architecture and the and consider scaled table appearation that could reduce this scale of the inflags, and regression test in output developed to the soft and and the product changes (porthware update//www releases), manage work to establish strong governance over the utilization and maintenance of the appearation test results and monotoning + Request the ASI are never to them and table action to suscer potential inflagration problem do relead to suspected delays, for a sample, list them in the schedule to the advance of the schedule of the schedule and the schedule to the advance of the schedule of the schedule and the schedule and are never to them and table action to suscer potential inflagment potential to the schedule appearation of the schedule and the schedule and the schedule and and the schedule appearation of the schedule and the schedule | f I | 3 3 | 3 Med | Open | dM_{1}^{2}/dZ_{2}^{2} . The ASI intends to engage two 3-de party encodes to assist where productions environment build (once the QC change order is approved), which could intensist where weather the QC change order is approved), which could intensist where weather could be approved to a set of the QC change order is approved), which could intensist the environment build (once the QC change order) with could inflation of the part of the QC change order is a set of the QC c | |
| 71 The Las of the final speciment on the scope and costs of the Goagle Cool Pattorn (GP) Change Request (C) may load to out (CP) Change Request (C) may load to out (C) Change Request (C) Change Request (C) may load to out (C) Change Request (C) may load to out (C) Change Request (C) Change Req | 6 | inding - sue | 8/23/2023 Fright Management | 2020 timefame, DHS and the All agreed to have all BES environments ingented for R-fould Series frank, the score has been adjusted of the CH is been added to the CH is the CH is and the CH is the CH is the decided to may all BES environments in the Ch is a characteristic or - prore that mough the Is to document, Jurk and registrate the score of works. The BES is being developed in GCP and CH S/ASI consistently report they are working on the CK, however, it is not final. | maintenance of double environments from the ESIs to the ASI use Includes In the ASI/DHS SIGM Contract Alendender Markales of Asia Tables To double and the ASIA and the ASIA and the ASIA and the ASIA double and the ASIA and the ASIA and the ASIA and the ASIA double and the ASIA and the ASIA and the ASIA and the ASIA the ASIA and the ASIA and the ASIA and the ASIA and the ASIA the ASIA and the ASIA and the ASIA and the ASIA and the ASIA and Maintenance and Operations Phases have not been finalized. | when DHS will receive the GCP CR. 12/16/2021 Complete | | 4 | 4 Hgn | Open | 4131/2022. The ASI submitted adealined project impact analysis to the Set provided a dimensional to differ some number to the ASI is provided a dimensional to differ some number of the ASI is provided a dimensional to differ some number of the ASI is provided a dimensional to differ some number of the ASI is provided a dimensional difference of the ASI is provided and the ASI is analytical the ASI is an approved COP developed an an | 9/9/2021 - RAP; of clarification. SOAP agreemen not establish th |
| 70 Inufficient configuration mesagement caed late of bedreforment conclusion and reduce the effectiveness of effect resolution reduce the effectiveness of effect resolution | Michael Fors Fi | inding - sk | 8/21/022 Configuration and Development | The BI-BO IF Junc Deliverable, Section 5.2 establishes the framework for the configuration Mmaximem Flas, Novewer, Iremains unclear III sufficient progress has been toward establishing CM processes, selecting CM Mode to the selection of the selection of the selection of the finalized with may include additional regularements or decisions that could impact CM. The project currently relies on Gifbus for tracking of some configurations. | Configuration Management is a set of processes and procedures that munus the tBS is more than a set of processes and procedures. The BS solution Management that may reduce a rors and should provide the project team Management that may reduce a rors and should provide the project team with accounted, quencing and the BS/JAS agree to the full set of tems that items. However, it is critical that DS/JAS agree to the full set of tems that are included in the dongradion plan and with the deals in grading the management of the configuration terms, reporting and audit features. | management tools and DHS work to fund and procure a CM tool, as | ASSP | 2 | 2 Low | Open | eM(2)/22: The ASI updated the Configuration Management Fam (CMP) will address and configuration Management Familia (CMP) will be address and functions management familiar (CMP) will be address and functions an | 9.97/2021. Mod load forward is receiving specific inquiries form individual for an official with the model with the model with the specific receiving specific that the plan like open specific processes in plan the programmer. |
| 68 Insufficient planning/motions of the BTS Security Plan activities may alread to delay in gaining Friend Partner approval for the BTS Project to begin the Plan Plane. | Dustin Heath Fi | inding - isk | 7/28/201 Secony and Privacy | Over the last sensel months, the BES project team has been very long through the planned features developed team has a long managing through AS Security features and the BES and the AS granted to maching the BES account in the BES account planned and granted to maching the BES account in the BES account planned and granted to maching the BES account in the BES account planned and and changes to the project since inception. | The BES project must have a clear bit define, implement, text, and validated Scuruly of Wincy Regularements()/controls prior to extensing the Pilot phase. There are many standards that must be meta, and the project must be an extension of the BES scurve () control inglementation (worknows) to standards with the BES scurve () control inglementation (worknows) Workhows, must be detailed and larve for ease of referencing to the Scurve Workhow, must be detailed and larve for ease of referencing to the Scurve for each control. | collaboration with DHS DHS and the ASI agree upon the tools and process that will be used to document and track security control implementation, such as security governance, risk, and control (GRC software). The process should define the level of detail needed to track progress (estimates, target dates, risk); sucs, evidence) along with the Requirement Traceability | | 4 | S High | Open | eVEX.1022 - In VI recommends that Security SMEs leading secrets and introver/scienced workshops and schrolical sections have a depth of experience in NST BDO-31 and with apprintere authoring inpleximation transmiss of systems accurity fram (SST). Note Vial will be change the ASI section of the ASI and the Asymptotic authoring the ASI ME positions that month and their priori NST Security Bounded experience that positions that month and their priori NST Security Bounded experience to the SST Bouget CTI ASI ABI does not be a Security and SST and Asia and Cardinance and the SST Security Bounded experience to the SST Security Bounded and the ASIA and Cardinance to Revise approach. An agreement has been ransched for the Immediate term to use a approach. An agreement has been ransched for the Immediate term to use a does and Cardinance and the Asia and Cardinance and Asia and Cardinance and the average and the Asia and Cardinance and a more in the Bord datas usplices. Novel Asia correctly apprending a security Result has and be averaging with Disk guessions on their priori a security Result has and be averaging with Disk guessions and the systems a security resource in June and my used to add additional resources. With a disk of the SS Security Asia Security MMEs stending security participates, the lack of a complexed CCP share respects insigning security tasks, the lack of a complexed CP share respects insigning security tasks, will have a couple complex tasks and participates and the SS Security MMEs stending security a variant pressure in June and my used to add additional genotry tasks, and and the SS Security AsiA Security MMEs sitemating security and will have a couple controls to mignite the security tasks, the lack of a complexities and the securities and the SS Security MMEs sitemation and the SS Security AMEs sitemation and the | 9/f/2021 - RAF decision to more CPCF for digging the format of the comparison of the comparison of the second of the second of the second of the second of the second of the second of the part of the second of the second of the second of the compare the second of the second of the second of the end of the second of the second of the second of the end of the second of the second of the second of the end of the second of the second of the second of the end of the second of the second of the second of the end of the second of the second of the second of the end of the second of the second of the second of the end of the second of the second of the second of the end of the second of the second of the second of the second of the end of the second of the second of the second of the second of the end of the second of the second of the second of the second of the end of the second of the second of the second of the second of the end of the second of the second of the second of the second of the end of the second of the second of the second of the second of the end of the second of the second of the second of the second of the end of the second of the second of the second of the second of the end of the second of the second of the second of the second of the end of the second of the second of the second of the second of the end of the second of the second of the second of the second of the end of the second of the end of the second of the secon |

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| Title Reporter | Finding Type | Identified Date Category | Observation | Significance | Recommendation | Event Horizon Imp | act Probabi | ility Priority | Status | Status Update Client Comments | Vendor Comments |
|---|-----------------|-----------------------------|---|--|--|---------------------|-------------|----------------|--------|--|---|
| 67 The Americans With Disabilities Act (ADA) Earl Burba Section 508 compliance tool has not been | Finding - | 7/12/2021 Testing | While R0.3 and R0.4 reported that Section 508 compliance had been successfully completed the ASI confirmed that there is currently no working | There is a contractual obligation and requirement for BES to be ADA compliant to obtain State and Federal funds for the development of the BES. | 1/31/2022 - The following recommendations will be evaluated for this finding . The ADA tool meetr contractual and project contractures . | As soon as possible | 3 | 3 Med | Open | 8/30/2022 - No change in status. Waiting on DHS acceptance/approval to move forward with aurchase, installation, configuration, and | 9/9/21 - RAP: The 45 |
| installed for the Project, which may cause | NSK | | successfully completed the ASI confirmed that there is currently no wonling tool installed and that Section 508 compliance testing has not been | Compliant to obtain state and Federal funds for the development of the BES. The ADA Section 508 intent is to make electronic and information | The ASI communicates a plan for ADA test execution The ASI | | | | | move forward with purchase, installation, configuration, and implementation of the ASI recommended ADA compliance tool. 7/27/2022 - | 9/9/21 - KAP: The Asi has invited the IV&V |
| significant rework. | | | performed. This risk has been discussed with the ASI over the past several | technology accessible to people with disabilities (e.g., color blindness, | communicates how the tool will be used to report compliance and non- | | | | | The ASI successfully completed the ADA compliance tool proof of concept | to make contact with |
| agrinicant rework. | | | months, but there have been evidence of results to-date. The ASI did state | vision and hearing disabilities), in a way that is comparable to the access | compliance and how non-compliance will be addressed/corrected. The | | | | | and provided reports to DHS for their review and approval. The final steps | the development tes |
| | | | that they are coding to some of the ADA requirements and are using a desk- | available to others. Part of the system acceptance criteria for BES is to meet | ASI communicates how and when DHS/IVV will be provided the reports from | | | | | remaining would be the purchase, installation, and implementation of the | to review the results |
| | | | top tool for ADA compliance as an interim solution. IVV has not received | "all applicable State and federal policies, laws, regulations, and Standards, | the ADA tool execution and how to interpret the results. Superseded | | | | | tool. 6/29/2022 - The ADA compliance tool is still in the trial phase and a | of the desk-top tool |
| | | | any data to demonstrate the desk-top tool results nor if it provides coverage | including without limitation the Electronic and Information Technology | 8/30/2021 - The ASI should gain DHS' approval on the tool selected after the | | | | | compliance report will be run once the initial testing has been completed. | gain insight. To date, |
| | | | for all ADA compliance items. | Accessibility Standards associated with Section 508 of the Rehabilitation | ASI validates it will perform as expected within the BES architecture, | | | | | The ASI is expected to provide results of the testing to DHS when the trial | the IV&V has not |
| | | | | Act., which was verified in the ASI proposed Technical Requirements Anornach that states "The system complies with DHS branding standards as | meeting all contractual and project requirements. The ASI create and communicate the plan for when the ADA compliance tool will be put into | | | | | phase is finished, and the report generated. 5/31/2022 - The ASI has | contacted the |
| | | | | Approach that states "The system complies with DHS branding standards as defined by DHS and adheres to W3C level 2 accessibility guidelines, sub- | | | | | | identified an accessibility compliance tool that will meet the needs of the | development lead to |
| | | | | defined by DHS and adheres to W3C level 2 accessibility guidelines, sub- | action, how the tool will report compliance or non-compliance, how non- compliance will be corrected and how and when DHS/I/V/ will be provided | | | | | Project and DHS has approved opening a firewall to facilitate a | have further discussions on this |
| | | | | parts of Section 508 of the Americans with Disabilities Act (ADA), nondiscrimination safeguards in 45 CFR 85.". If the Hawaii guidelines | compliance will be corrected, and how and when DHS/IVV will be provided the reports from the ADA compliance tool and how to interpret those | | | | | demonstration of that tool. The ASI completed a Proof of Concept for the tool and now needs to 1) receive DHS approval to use the tool. 2) purchase | discussions on this topic. |
| | | | | (https://www.hawaii.edu/access/uh-guidelines-for-accessibility/), FNS | reports for the code from previous, current and future releases. | | | | | tool and now needs to 1) receive UHS approval to use the tool, 2) purchase the tool, 3) configure the system to accommodate the tool, and 4) institute | oopro. |
| | | | | Guidelines from the 901 Handbook, and contractual obligations to adhere to | reports for the code from previous, carrent and factore releases. | | | | | the tool, SJ compare one system to accommodate the tool, and SJ institute the tool into the delivery pipeline. 4/26/2022 - The ASI is evaluating four | |
| | | | | the Section 508 compliance guidelines (https://section508.gov/) there may | | | | | | ADA testing tools for consideration due to hish pricing for the tool selected | |
| | | | | be a significant amount of rework to the solution. | | | | | | in March. This tool was demonstrated to the ASI and appeared to provide | |
| | | | | | | | | | | the required reporting features and the needed integration with the BES | |
| | | | | | | | | | | architecture. A second ADA tool under review has a proof of concept | |
| | | | | | | | | | | scheduled for the week of 5/1/2022. The ASI has stated that little impact is | |
| | | | | | | | | | | expected from the delay in performing ADA compliance testing and that a | |
| | | | | | | | | | | tool will be tested and selected shortly. 3/28/2022 - The ASI testing lead | |
| | | | | | | | | | | confirmed that an ADA tool has been selected for consideration and a | |
| | | | | | | | | | | demonstration held. Next step is to execute a proof of concept within the | |
| | | | | | | | | | | BES application. To mitigate this risk, the ASI stated that problems identified by a tool or through manual evaluation to Section 508 criteria for web | |
| | | | | | | | | | | by a tool or through manual evaluation to section sus criteria for web applications can be easily rectified with little impact to development and | |
| 63 The lack of early planning and coordination Michael Fors | Finding - | 1/21/2021 Integration and | The following planning and execution items have not yet been addressed | Interfaces is one of the areas where DDI projects often underestimate the | OPEN 5. Complete all MOAs and obtain approval. 6. Confirm testing dates | 04 2021 | 4 | 1 Low | Open | 08/26/2022 - The statuses of the three remaining required agreements | |
| with interface partners may result in | Risk | Interface | and documented by the ASL - Connectivity is planned to utilize a presently | time needed to effectively manage all the tarks and activities to successfully | with interface partners in writing. COMPLETE 1. Establish a communication | 00 2022 | - | 1 1010 | open | DAGS_DUR_HTCF) have not changed. 08/01/2022 - OHS executed the DPS | |
| schedule delays. | | Management | undefined ETS API Gateway: however, there is no evidence that details have | time needed to effectively manage all the tasks and activities to successfully implement data sharing. A clearly defined communication plan and | plan for each interface partner for the duration of the BES DDI activities. | | | | | agreement (MOA) on 07/20/2022. The statuses of the three remaining | 7/20/21 RAP - The AS |
| | | | been determined or documented in this regard There is little evidence of | schedule that includes the coordination, planning, and execution activities | 10/29 COMPLETE 2. Identify and document all interface partners' contacts. | | | | | required agreements are as follows. The DAGS agreement is moving forward | team requests that the |
| | | | active and sufficient communication with interface partners for | along with milestone dates may minimize the risk of possible delays. In | COMPLETE 3/31/2022 3. Define a release schedule for each interface to | | | | | with design work. DHS reviewed the DLIR MOA and resubmitted it to DLIR. | IV&V reassess the |
| | | | coordination, design, and testing activities (Unit Test, SIT, UAT) Interface | addition, after planning has been completed, interface partners will have to | include milestone dates, coordination, and execution and share with the | | | | | The latest draft of the HYCF was sent to the DHS Directors' office with | severity of this risk in |
| | | | planning and execution tasks and activities, including those for interface | be available during interface implementation to ensure that the interfaces | interface partners. 01/04 COMPLETE 4. Determine which deliverable will | | | | | feedback from BESSD and MOD. 06/30/2022 - There are 4 agreements | light of the following |
| | | | partners, are neither resident nor managed within the Project Schedule. | are properly tested before deploying the system to production. | include the details associated with the planned connectivity and detailed | | | | | outstanding (DAGS, DLIR, DPS, and HYCF). DHS plans to discuss the | reasons: a) the ATC |
| | | | A mitigation plan has not been developed to address the unavailability of | | technical designs of all interfaces. 01/04 COMPLETE | | | | | agreement at the next meeting with DAGS, which is tentatively scheduled | schedule extension |
| | | | interface partners during interface implementation after MDAs have been | | | | | | | for 07/06/2022. DHS is currently reviewing the DLIR, DPS, and HYCF | has made the urgency |
| | | | approved, testing dates have been confirmed, and communications have been frequent. | | | | | | | agreements. 05/31/2022 - There were no changes to the interface | for tackling these |
| | | | been frequent. | | | | | | | communication plans in this reporting period. There are 5 agreements outstanding (DLIR, DPS, HYCF, DAGS, and CYRCA). DPS, HYCF, and DLIR have | tasks less than it was before that started |
| | | | | | | | | | | outstanding (DLIR, DPS, HYCF, DAGS, and CYRCA). DPS, HYCF, and DLIR have all been drafted and are going through reviews with DHS and the interested | lessening the schedule |
| | | | | | | | | | | all been drafted and are going through reviews with DHs and the interested parties. DAGS has not been drafted by DHS; DHS is in discussions with the | risk, b) the increase |
| | | | | | | | | | | parties. DAGs has not been dratted by DHS; DHS is in discussions with the Department of Tax for an interface that would bypass DAGS. The CYRCA | from Medium to High |
| | | | | | | | | | | interface has been escalated within DHS as the business requirements | in May was based on a |
| | | | | | | | | | | CYRCA meets are being evaluated by DHS executive management. IVV has | misunderstanding of |
| | | | | | | | | | | onened a new issue #79 related to vendor development delays for the task | the current state of |
| | | | | | | | | | | opened a new issue #79 related to vendor development delays for the task management software. 04/28/2022 - There were no changes to the | the MOA's and |
| | | | | | | | | | | interface communication plans in this reporting period. The DAGS, DLIR, | contact metrics, c) |
| | | | | | | | | | | DOH, and HYCF agreements are still outstanding. In addition, there is a new | substantial progress |
| | | | | | | | | | | element to this risk regarding DUR because the interface will not be able to | has made against each |
| | | | | | | | | | | offer additional data elements which DHS needs. 03/29/2022 - There were | of the In Progress |
| | | | | | | | | | | no changes to the interface communication plans in this reporting period. | recommendations, |
| | | | | | | | | | | 02/25/2022 - There were no changes to the interface communication plans | and it continues to |
| | | | | | | | | | | in this reporting period. 01/28/2022 - There were no changes to the | trend in the right |
| | | | | | | | | | | interface communication plans in this reporting period. Based on | direction. In regards to |
| 61 Poorly executed JAD and design sessions Brad Molina | Finding - | 11/30/2020 System Design | ASI-led Workflow JAD sessions have been held for CMM, with the following | The CMM Workflow JAD sessions restarted in November. DHS indicated | OPEN - The facilitator should use their expertise to drive discussions | ASAP | 2 | 5 Med | Open | 8/31/2022 - The ASI's addition of senior BAs to the design sessions has | |
| could lead to inaccurate design and rework. | Issue | | concerns being observed, - No clear introduction to all participants on the goal of the JAD, overview on the process and the importance of their | some concern regarding the CMM Workflow JAD sessions, specifically; (1) Do the JAD participants understand how the Case will be managed through | through leading questions BAs should come to Day one of Design Sprint fully prepared to facilitate discussion on topic of sprint, with adequate | | | | | resulted in improvement. The Senior BAs offer guidance to ensure the project team remains focused on the design. Unfortunately, one of the | 9/9/21 RAP - The |
| | | | participation On many occasions the conversation needed to be driven by | workflow? (2) What improvements will be made in the new BES to support | knowledge about business process and approach for design based on | | | | | Senior BAs has left the project so it is unknown if this practice will continue | IV&V does participate |
| | | | leading questions, as expected, but was instead lead by business users - | the users and clients? Incomplete or unclear JAD sessions with insufficient | JAD/JAR notes and other pertinent material. Closed - JAD and design | | | | | for all BES design sessions. 7/31/2022 - Although the ASI has implemented | in many facets of the |
| | | | Too much pause time when participants did not know the answer to a | documentation could lead to a poor design, lacking the details needed to | sessions should be lead by experienced senior BAs, with goals, objectives | | | | | preparatory sessions for their Business Analysts (BAs) prior to design Sprint | deisgn process |
| | | | question; several occasions where complete silence on the call for 30 | support business requirements; as well as missing opportunities to improve | and results communicated to all participants. (additional Senior BA being | | | | | Day 1. Wy continues to observe of BAs not being fully repared | including screen mock |
| | | | seconds or more - Lack of thought leadership from the ASI on how | workflow and related system design. | added, rest of recommendation being met - Closed 4/30/2022) - The DHS | | | | | for the initial session. DHS has also raised concerns that the ASI support | up reviews, backlog |
| | | | workflow could be designed to ease/improve process for client | | and ASI product owners should actively participate to ensure the system | | | | | admins are not always assigned to meetings, leaving the BA solely | grooming sessions, |
| | | | | | meets the requirements, designed taking advantage of new technology and | | | | | admins are not always assigned to meetings, leaving the BA solely responsible to lead discussions and capture notes, update artifacts, and | and Sprint demo's. |
| | | | | | aligns to the 'to be' business process. (Closed 4/30/2022) - The ASI should | | | | | capture action items. DHS requested the ASI to address these concerns | Product owner |
| | | | | | back-track significant differences in design direction to determine the root | | | | | going forward. 6/30/2022 - The ASI continues to revise the Design Sprint | discussions are meant |
| | | | | | cause to identify these items as early in the SDLC as possible. COMPLETE - | | | | | process by engaging the DHS SMEs and ASI systems analysts earlier in the | to have limited |
| | | | | | The Product Owners should have more direct interaction with the | | | | | process and conducting prep sessions with the ASI Business Analysts (BA) prior to each Sprint. These pre-sprint sessions with BAs are starting to | participation. The team is concerned |
| | | | | | development team, proactively seeking collaboration. 10/5/21 Complete - The Functional Design Document process, to include the Design Sprint | | | | | prior to each sprint. These pre-sprint sessions with BAs are starting to address the remaining recommendations. IVV will continue to observe and | about the |
| | | | | | concept, should be clearly defined and shared with all project team | | | | | address the remaining recommendations. IVV will continue to observe and look for impactful results from these latest changes to the process. | about the participation of the |
| | | | | | concept, should be clearly defined and shared with all project team members. (Closed, 1/31/2022) - Invite IVV to all future design sessions and | | | | | look for impactful results from these latest changes to the process. 5/31/2022 - The ASI instituted a new process to align ASI BAs to similar Use | IV&V for two main |
| | | | | | design sprints to allow IVV to observe and assess the effectiveness of the | | | | | 5/31/2022 - The ASTINETTURED a new process to align ASTBAS to similar use Cases to build knowledge of common business processes, strengthening | reasons: 1) IV&V does |
| | | | | | revised design processes. (Closed, 1/31/2022) - ASI and DHS should work | | | | | their facilitation during design meetings. DHS Lead Product Owners are also | not always stay silent |
| | | | | | together to yet the in-progress design with all SMEs for the area of focus. | | | | | taking an active role to ensure the BES Design meets the requirements as | in discussions on |
| | | | | | (being met by new design sprint process, closed 2/28/2022) - ASI staff all | | | | | noted in this month's positive finding. 4/30/2022 - The ASI is working to | design despite |
| | | | | | design sprint meetings with additional support staff to ensure the meetings | | | | | mitigate the issues raised regarding inconsistent BA performance, including | assurances from the |
| | | | | | are adequately documented and ASI Business Analyst are not running the | | | | | the migration of Senior BA to CMM team and providing additional | IV&V PM that it is not |
| | | | | | meetings alone. Complete 7/31/2022 | | | | | training/onboarding for new BAs. Additionally, a System Analyst will | their role, and 2) IV&V |
| | | | | | | | | | | participate in early days of design sprints to help with initial discussions of | participtation typically |
| | | | | | | | | | | design. The IVV team and DHS look to observe improved facilitation in | drives what are meant to be informal |
| | | | | | | | | | | design sprints as these changes take effect. An additional recommendation | to be informal |
| | Finding - | 4/16/2020 Project | In April, four BI-10 design deliverables and one Interface Control Document | The staff time spent on reviewing deliverables is exceeding the plan for all | - IVV recommends that a facilitated root cause analysis be performed by the | Immediate | 2 | 2 Low | Open | 8/31/2022 - No material update for this reporting period. 7/31/2022 - The 06/30/2020 - New deliverables this month included BI-10 and BI-20. | II-10 7/30/21 BAP - The 45 |
| system design, testing artifacts and the project schedule. | Issue | Management | deliverable were submitted for client review. There was an average of 85 | project entities and has caused schedule delays due to the associated | ASI with DHS and IVV in attendance. Quality issues are rarely generated by | a | | | | ASI plans to provide resources to develop and report on quality metrics, which will be addressed in the CAP. 6/30/2022 - No significant change to DHS is not comfortable with BI-IO re-format, will be revised again. | tea. 7/30/21 RAP - The ASI |
| | | | comments submitted for each of these deliverables. The documents | rework needed for remediation. If poor quality deliverables continue to be | single entity in a project, so there could potentially be multiple causes or root causes of this current condition. Once the root cause(s) are identified, | | | | | | team will review and respond to this issue |
| | | | exhibited erroneous information, a lack of a logical organizational flow, an insufficient level of detail, and a lack of understanding of the subject matter | unproductive use of time upanticipated rework, microided de classical | root causes of this current condition. Once the root cause(s) are identified, IW recommends immediate action be employed to resolve quality concerns | | | | | the status of this finding although ASI has assigned a resource to research a solution for creating quality metrics. 5/31/2022 - The revised DDI process. | respond to this issue again when a material |
| | | | from both a functional and technical perspective. DHS logged this issue in | | on in-process deliverables prior to submission of subsequent deliverables] | | | | | solution for creating quality metrics. 5/31/2022 - The revised DU process, in particular the design sprints, is bringing more focus and attention on | update is made by the |
| | | | the Project Issue Log for corrective action by the ASI. The ASI acted by | schedule delays. | Closed 7/30/2021 - ASI reviews its Quality Management Plan to ensure that | | | | | in particular use design sprints, is onlying index to said attention on design documents, which has a positive effect on quality when measured by | IV&V. We also |
| | | | conducting an internal root cause analysis and provided DHS and IVV the | | the Project is working within the guidelines of this Plan document. In | | | | | the lower number of comments in deliverable reviews. IVV will validate this | recommend the |
| | | | | | particular, the ASI should evaluate and consider if it is in alignment with | | | | | metric is fully documented in the Quality Management Plan, when published | rethinking of the first |
| | | | high-level results. | | | | | | | by the ASI. 4/30/2022 - No material update for this reporting period as IVV | recommendation |
| | | | high-level results. | | Section 3.1.2 Measure Project Quality, which states, ASI measures process | | | | | the second s | based on the |
| | | | high-level results. | | and product quality by 1) selecting BES implementation process and product | | | | | awaits updates to the Quality Management Plan. 3/30/2022 - When | |
| | | | high-level results. | | and product quality by 1) selecting BES implementation process and product | | | | | awaits updates to the Quality Management Plan. 3/30/2022 - When Release 6 final test results are published, IVV will re-evaluate this finding. | assessment from the |
| | | | Composing an internation occurs and particular of a more and high-fevel results. | | and product quality by 1) selecting BES implementation process and product attributes to measure; 2) selecting component activities to measure; 3) defining value scales for each component activity; 4) recording observed | | | | | Release 6 final test results are published, IVV will re-evaluate this finding. 2/28/2022 - IVV continues to review the Release 0.6 test results and | IV&V that this is a low |
| | | | Conducting an internal for Cashe and you and protocol of radia in the out | | and product quality by 1) selecting BES implementation process and product attributes to measure; 2) selecting component activities to measure; 3) defining value scales for each component activity; 4) recording observed activity values; and 5) combining the recorded attribute values into a single | | | | | Release 6 final text results are published, VV will re-evaluate this finding. 2/28/2022 - IVV continues to review the Release 0.6 text results and available metrics. The initial results show a positive terned, which is | IV&V that this is a low risk. The tone, tenor, |
| | | | bigb-level results. | | and product quality by 1 selecting BES implementation process and product attributes to measure; 2) selecting component activities to measure; 3) defining value scales for each component activity; 4) recording observed activity values; and 5) combining the recorded attribute values into a single number called a process quality index. Wh has not seen evidence indicating | | | | | Release 6 final text results are published, VV will re-evaluate this finding. 2/28/2022 - VV continues to review the Release 0.6 is text cuts and available metrics. The initial results show a positive ternd, which is encouraging size Release 0.6 has the most complex functionality | IV&V that this is a low risk. The tone, tenor, and substance of that |
| | | | high-level results. | | and product quality by 1) selecting BES implementation process and product attributes to mesure: 2) selecting component activities to mesure; 3) defining value scales for each component activity; 4) recording observed activity values; and 5) combining the recorded attribute values into a single number called a process quality index. IVV has not seen evidence indicating the AS is utilizing metrics to mesure its process and product quality ASI | | | | | Release 6 final text results are published, PV will re-evaluate this finding. 22/28/2022 - VV communications in review the Medica 0.6 letter results and executing in size. Believes 0.6 his the most complete functionality executing in size. Believes 0.6 his table most complete functionality developed and text stable by the project text and date. If the number of defects | IV&V that this is a low risk. The tone, tenor, and substance of that recommenation is out |
| | | | high-low results. | | and product quality by 1) selecting BIS implementation process and product attributes to measure; 2) selecting component activities to measure; 3) defining value scales for each component activity; 4) recording observed activity values; and 5) combining the recorded attribute values into a single number called a process quality index. VM san otseen eledence indectating the ASI is utilizing metrics to measure its process and product quality ASI werlies that the information in degrand testing artfacts is kept in syn- | | | | | Release final text results are publicabed, IV will re-evaluate this finding. 2/28/2022 · IV constructions to review the Release 06 Statt results and available metrics. The initial results show a positive tends, which is encouraging size: Release 06 Stats the mode complex functionality developed and tested by the project team to date. If the number of defects arithmete to design remain how througher dates 06 Statting, the focus of | IV&V that this is a low risk. The tone, tenor, and substance of that recommenation is out of step with a risk |
| | | | high-looil results. | | and product quality by 1 electing BLS implementation process and product attributes to messure. 2) electing component activities to messure. 3) defining value scales for each component activities (a) encoding observed activity values, and 5) combining the recorded attribute values into a single number called a process guality inder. Wh has not seen veldence indicating the ASI is utilized merick to messure its process and product quality. ASI verifies that the information in design and testing artifacts is kept in syn- and consistent. (closed 57JJJ222) - ASI performs and coastas analysis with | | | | | Release 6 from text results are published, if V will re-evaluate this finding. 2/22/2027. VV evaluates to review the Release 0 & Sect results and available metrics. The similar instalus shows a positive timed, which is developed and text tests of the project team to differ a similar of directs artificates to design remain loss throughout Release 0.8 section 0 directs artificates of design remain loss throughout Release 0.8 section 0 directs artificates and not added of the added of the added of the stratege of the artificates of the size of the added of the added of the stratege of the stratege and not added of the size of the size of the stratege of the stratege and the size of the size of the size of the stratege of the stratege and the size of the size of the size of the stratege of the stratege and the size of the size of the size of the stratege of the stratege and the size of the size of the size of the stratege of the stratege and the size of the size of the size of the stratege of the size of the size of the size of the size of the stratege and the size of the s | IV&V that this is a low risk. The tone, tenor, and substance of that recommenation is out of step with a risk perceived by the IV&V |
| | | | high-food results. | | and product quality by 1 selecting BES implementation process and product attributes to measure 3) selecting component activities to measure 3) defining value scales for each component activity, 4 incording observed include values activity of the control process of the selection of the number called a process quality (med., IVV has not sen endonce indexing whether is the the information in neight and activity and in second process whether is the the information in neight and activity affects that process and whether is the the information in neight and activity affects that process and bits of WM in information in the second activity affects that process and bits and WM in intraduces to determine the issure of the design defects. | | | | | Relations of front less reveals are published, if V will re-evaluate this finding. 272/2022 - VV constraints in screening the Relation of S less transmission encouraging since Relations 0.6 Jan Less manual and the screening of the Relation of S developed and tracking by the project team to disk. If the number of defects articulated to design remain low demoglobic Relations 0.6 detects articulated to design remain low demoglobic Relations 0.6 detects articulated of the relations of the Relation of the Relation of the Relations 0.6 detects articulated of the relations of the Relations 0.6 detects articulated of the relations of the Relations 0.6 detects articulated 0 | IV&V that this is a low risk. The tone, tenor, and substance of that recommenation is out of step with a risk perceived by the IV&V for a number of |
| | | | high-food results. | | and product quality by 1 electing BLS implementation process and product attributes to messure. 2) electing component activities to messure. 3) defining value scales for each component activities (a) encoding observed activity values, and 5) combining the recorded attribute values into a single number called a process guality inder. Wh has not seen veldence indicating the ASI is utilized merick to messure its process and product quality. ASI verifies that the information in design and testing artifacts is kept in syn- and consistent. (closed 57JJJ222) - ASI performs and coastas analysis with | | | | | Release 6 final text results are publicled, IV will re-evaluate this finding. 2)28/2022 - IV concursos to review the final case 0 5 text results and available metrics. The initial results show a positive tend, which is excorranging size final cases 0 5 has the most concepts functionality metric activitiation of entry memory has been approximately and the size of the testing of the size of the size of the testing of the testing of the size of the testing of testing of testing of testing of testing of testing of testing | IV&V that this is a low risk. The tone, tenor, and substance of that recommenation is out of step with a risk perceived by the IV&V |
| | | | high-foor results. | | and product quality by 1 selecting BES implementation process and product attributes to measure 3) selecting component activities to measure 3) defining value scales for each component activity, 4 incording observed include values activity of the control process of the selection of the number called a process quality (med., IVV has not sen endonce indexing whether is the the information in neight and activity and in second process whether is the the information in neight and activity affects that process and whether is the the information in neight and activity affects that process and bits of WM in information in the second activity affects that process and bits and WM in intraduces to determine the issure of the design defects. | | | | | Release final text results are published, in V will re-evaluate this finding. 2/28/2027. ViC. ViC. ViC. 2014. Set of the | IV&V that this is a low risk. The tone, tenor, and substance of that recommenation is out of step with a risk perceived by the IV&V for a number of months now to be low. |
| | | | high-food results. | | and product quality by 1 selecting BES implementation process and product attributes to measure 3) selecting component activities to measure 3) defining value scales for each component activity, 4 incording observed include values activity of the control process of the selection of the number called a process quality (med., IVV has not sen endonce indexing whether is the the information in neight and activity and in second process whether is the the information in neight and activity affects that process and whether is the the information in neight and activity affects that process and bits of WM in information in the second activity affects that process and bits and WM in intraduces to determine the issure of the design defects. | | | | | Release 6 final text results are publicable, MV will re-evaluate this finding. 2)28/2022 - WV consults for evaluate the final data of the strength and available metrics. The initial results show a positive tend, which is developed and tested by the project team to date. If the number of defect developed and tested by the project team to date. If the number of defect the index polline project. 2)20/2022 - 2023 and defect validation progress, MV resoft case recommendation is low cause of defects from design, the primary concern of the finding thould be addressed. 2)21/2022 - the completion finders db tested to address of defects from design, the primary concern of the finding thould be addressed. 2)21/2022 - the completion finders db tested to finding thould | IV&V that this is a low risk. The tone, tenor, and substance of that recommenation is out of step with a risk perceived by the IV&V for a number of months now to be low. 4/23/21 rap - The ASI |
| | | | high-four results. | | and product quality by 1 selecting BES implementation process and product attributes to measure 3) selecting component activities to measure 3) defining value scales for each component activity, 4 incording observed include values activity of the control process of the selection of the number called a process quality (med., IVV has not sen endonce indexing whether is the the information in neight and activity and in second process whether is the the information in neight and activity affects that process and whether is the the information in neight and activity affects that process and bits of WM in information in the second activity affects that process and bits and WM in intraduces to determine the issure of the design defects. | | | | | Release final text results are publicled, if V will re-evaluate this finding. 22/28/2027. VVC evaluates to review the finding and 6 fact results and available metrics. The similar final uses are publicly terms, which is developed and textures to review the finding terms of the similar terms of the developed and textures the procycle tam to dive if the number of defects artificates of design remain low throughout Release 0.8 textures of the finding will be added. 2017; 2012; 2013; 2014; 2 | IV&V that this is a low risk. The tone, tenor, and substance of that recommenation is out of step with a risk perceived by the IV&V for a number of months now to be low. 4/23/21 rap - The ASI team agrees that the |
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| ID Title | Reporter | Finding Type | Identified Date Category | Observation | Significance | Recommendation | Event Horizon | Impact Pro | Analyst bability Pri <u>ority</u> | t Finding / Status | Status Update | Client Comments | Vendor Comments |
|--|--------------|--------------------|----------------------------------|--|--|---|---------------|------------|--------------------------------------|-----------------------|--|--|---|
| 47 The COVID-19 pandemic and the related "stay at home" order could kinder project activities and negatively impact the project schedule and budget. | Michael Fors | Finding - Risk | 3/29/2020 Project Management | On 322020, the Gewence of Hawaii Issued a "targ at home, work from home" order that have included state department" shilly to be fully functional as the large majority of taste workers will be required to work from home/memory latescar until the end May and some officies: may be completely dust does until that time as well. Unclear if the order will extend beyond that date. | Dist stahender participation in hey activities could be significantly indirective, and uny lay working remotely built also by the need to focus on delivering services to beneficiarus. Farancel key activities such as disgin sessions may be failland remotely which may inpact the quality of the session. Going forward, most if nor all project stantise will more than they be conducted methy and that ross gauses. The Dist project team which be conducted and the session space. The Dist project team of the session can be able to register than the session of the session can be able to register the built result (DIS which could lead to DHS budget challenges. If the state/DIS institutes a hing could be DHS budget challenges. If the state/DIS institutes a hing encep. DIS FMO must be able to register then be presences. | -Continue to make efforts to struck, train, and assist new taxhardolers methods and tools and continue to assist at takhardolers with becoming highly functional with remote access technology (i.e., MS manufyshga). Complete - Suggest the point struct as detailed, documented in a direct and struct and their control state of the COVD 1: threat and tailed to address the comments table of the COVD 1: threat and inside planed activities to address the commentation of the COVD 1: threat and their planed activities to address the other comments table of the COVD 1: threat and thread the structure of the commentation of the COVD 1: threat and their planed activities to address the thread thread the comparison through this COVD 1: structure and the comparison through the covDiment and the comparison the structure and the covDiment and the covDiment and the comparison through the covDiment and the covDiment and | ASAP | 2 | 2 Low | Open | ON/DO2 - Non-market update for this reporting provid. 07/D1/2 - No market update for the reporting priorit. 02/D1/22 - Not Altha state they have removed the vaccination requirement for working a person and a re-encouraging state to grad mine in the effect. Dis frame members are still not required to work in the diffect but Diris is also encouraging affect than the Diris is an employed and the Altha state of the Altha and the Diris of the Altha state of the Altha state of the Altha and the Diris of the Altha state of the Altha state of the Altha and the Altha state of the Altha state of the Altha state and the Altha state of the Altha state of the Altha state and the Altha state of the Altha state of the Altha state of the Altha and the Altha state of the Altha state of the Altha state of the Altha and the Altha state of the Altha state of the Altha state of the Altha and the Altha state of the Altha state of the Altha state of the Altha and the Altha state of the Altha state of the Altha state of the Altha and altha and the Altha state of the Altha state of the Altha and altha and altha and altha and altha and altha altha altha altha altha and altha altha and altha altha altha altha altha altha altha altha altha altha and altha | 1 | 7/30/21 RAP - The ASI agrees that COVID at this time is likely a low risk to both schedule and budget for the project despite some increases related to the delta variant. The ASI team continues to maintain social |
| | | | | | Additionally, if the state institutes forlooghe. DHS project team resources could be further coursaried. Unclear if the state budget challenges will impact overall project funding. | will remain the same Explore options for freeling up large USSD 345° to own on the project. Complete - Project tandphilo continue to encourage independent phone conversations to enhance and accelerate communications, and for team members to not wait for meetings to converse. | | | | | Individual State department: have leave payen the option of or trapining their traff to work increase. Disk sill kill any matter means were bajout point of the traffs or the second sill and their traffs or the second sill and the second sind the second sind the second sill | | distancing in the office in line with State mandates. However, the team has essentially reached the new normal in Honolulu. This includes fewer resources traveling and more conference calls; however, the project has adjusted to the lack of in person meetings. In our off shore office, we still have staff working from home. |
| 40 DerSPND project team members have transitioned file horport, which may cause gaps in knowledge transfer and leadenship on the Project. | Ryan Tan | Finding - tsoe | 1/0/200 Project Management | A regreted in various page: meetings, several key OKP 400, EES and 0 project team meehods are planning for order of various the project: while hite meet few months or have already transitioned off the project. While hite meet few months or have already transitioned off the project. While hite meeting the provide the plants of the provide the plant of the project. While here interim Project Manager, but a plan for a permanent replacement is not currently known. | and knowledge is critical for the BES DDI and KOLEA Modifications, and planning efforts for BES Maintenance and Operations activities. Additionally, as per the budget, DHS stated if they are unable to fill these | borrowed from other agencies) to fill these positions if there is ongoing difficulty in finding permanent hires. 5/31/2021 • DHS continue to work with the appropriate organizations to identify the funds necessary to fill these positions - in propress. The state should document a transition plan | A500 | 3 | 5 High | Open | contract management activities are significant so DHS assigned these | 20/20/2011 (x6/20/2023 - Mark Chu Is becoming more involved in the project. Involved in charactions are involved in the set project. Involved in charaction are involved in the set involved in the set of the set of the set of the set of the set have no insight into other CHS staffing. | the ASI perspective, the changes to the project management of the BES project have provided little |
| 29 Uncertainty and/or a lack of communication around long time achieterure decisions could impact the project budget, schedule, system design, and planning decision. | Michael Fors | Finding - Issue | 5/78/2029 Project Management | they have reached agreement that the project will move forward with implementing two Siebel instances (one for KOLEA, one for BES), but this is not currently reflected in the project change log or the project decision log. | Inclusive of all known future solution plans as possible. As an example, if KDLEA and BES are to move to a single instance of Slebel in the future, planning for that integration should be incorporated into the project now. If such significant future changes are not planned for now, the project is likely to see increased comelesity: rework, and costs when integrating the two | -The ASI continue to make updates to the BI-12 system Architecture Deliverable with Architecture and the analysis of the analysis of the architecture drawpes are finalesed. Complete: DBS should finales the DBS and the ASI of the ASI ASI of the ASI of | A54P | 2 | 2 Low | Cipen | EX0222 - No material update. 7/12/22. Inversant concerned with the lack of dec communication around the plane of comparison magnetic plane and the lack of the communication and the plane model and the second plane of the se | Integration of the portals is still to be determined, but is not more complex than originally planned for data sharing. If change is made to Adobe, this | 4/23/21 rap - The ASI and DHS continue to efficie the final plan trained the final plan trained actions with likely be made chiral this reporting period and communicated to the project. The ASI reference of the project of the project is the ASI reference of the ASI and DASI's antificiate and Casardinate of the ASI's antificiate of the ASI's antif |
| Little delivery of project deliverables has caused schedule delays. | Ryan Tan | Finding - tsue | 11/28/2018 Project Maragement | Plan (PMP), which is the formal document that is used to manage the | deliverables may cause significant disruption to schedules or delays. ***OLD***Without a PMP that depicts all Project Management processes, the Project can suffer unplanned consequences in scope, schedule, cost, and quality parameters. Without a schedule that provides the required level of | project team should restart the weekly practice of reporting actions being | TRO | 3 | 3 Med | Open | USD221: The data banded checker with development activation which will impact the critical pin. Which can approximately circle data in the determine what is behind schedule and what impacts has dediverable or activities will have being checkers and what impacts has dediverable or activities will have being checkers. The schedule is a distributed will be a schedule of the schedule data will be a schedule in schedule and the schedule data will be a schedule in planning checkers and use where deliverable and schedule is planning checkers and use the schedule impact in from late deliverables are minimum checkers and the schedule in planning checkers and use the schedule impact in from late deliverables are minimum checkers and the schedule is a constrained and the schedule data will be a schedule of tables and the entrathing variety is been as the planning checkers and constrained the schedule data will be a schedule of tables and the entrathing and the schedule data will be a schedule of tables and the schedule data will be a schedule of tables and the schedule data will be a schedule of tables and the schedule data will be a schedule of tables and the schedule data will be a schedule data will be a schedule tables and the schedule data will be a schedule data will be a schedule tables and the schedule data will be a schedule data will be a schedule tables and the schedule data will be a schedule data will be a schedule tables and the tables the schedule data will be a schedule tables and the table. The schedule data will be a schedule tables and the tables the schedule data will be a dotted and the molecule and schedule data will be tables and the schedule data will be a schedule tables and the tables tables and the schedule data will be a schedule tables and the data will be a schedule data will be a schedule tables and the tables tables and the schedule data will be a schedule tables and the schedule data will be a schedule data will be a schedule tables and the data will be a sch | | 7/5/021 See - The 260 Will contrain the published service of the second on feedback from Disk second and the tigk while see contrained the second |