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August 11, 2021

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

Dear 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 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 Hawaii 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,

Douglas Murdock Chief Information Officer State of Hawaiʻi

Attachment (2)



Hawaii Department of Human Services Systems Modernization Project

Final IV&V Status Report for Reporting Period: June 1 - 30, 2021

Submitted: July 14, 2021



Solutions that Matter

Overview

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

Executive Summary



Executive Summary



In June, IV&V observed an increase in the overall pace of the project as supported by the number deliverables in the review cycle and various project meetings. Key project results include:

- Release 0.3 Lessons Learned Survey results were published.
- Release 0.4 System Testing completed and UAT began.
- Release 0.5 is in the Development phase.
- The ASI published a draft revised schedule to adjust for the delays due to the KOLEA ATC impact (the CMS required KOLEA modifications are causing a delay of the integration with BES) and CMM Interview.
- The ASI proposed process changes to DHS to streamline project activities and reduce Deliverable and Testing rework.
- The ASI and their subcontractor added System Analyst and Developer staff.

Although the project schedule has not been approved by DHS, the project team is moving forward with the proposed schedule. However, without a fully resourced schedule and the ability to report the velocity of the CMM and FMM development teams, the schedule continues to be high risk to the project. The ASI proposed process changes to streamline the design process may reduce the schedule risk. IV&V will review the details of the process changes to include the communication plan, implementation plan and expected results/metrics when they are available.

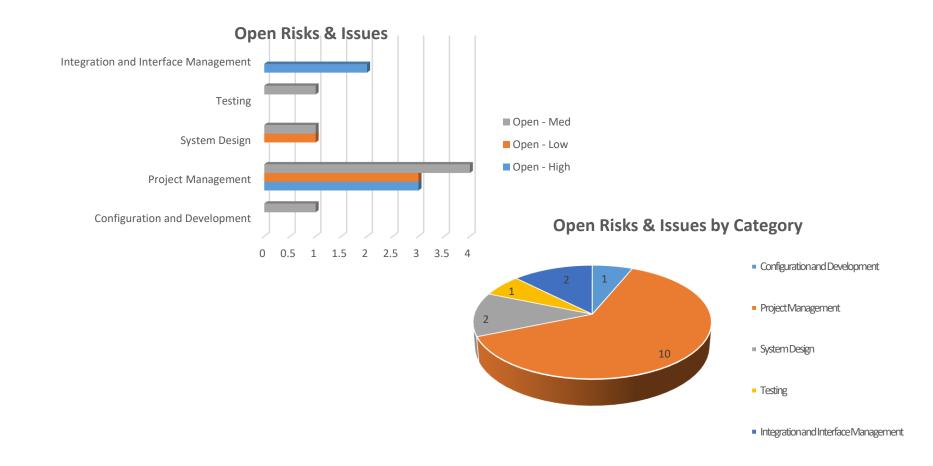
Ар	r May	Jun	Category	IV&V Observations
Н	н	н	Project Management	IV&V retains a high criticality rating for this category due to the lack of an approved Project Schedule, and inability to measure the velocity of the CMM and FMM development effort.
L	M	M	System Design	No material updates to this category during June 2021.

Executive Summary

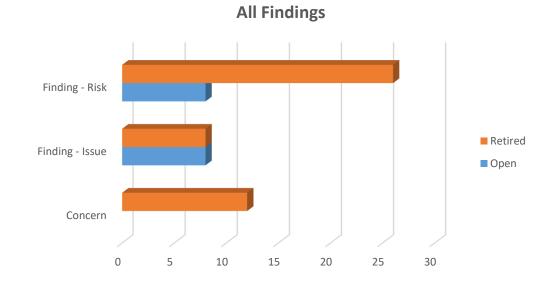


Apr	Мау	Jun	Category	IV&V Observations
M	м	М	Configuration and Development	The ASI proposed SDLC process modifications as part of the revisions to the project schedule. Details of these changes are being developed and reviewed with DHS; IV&V will review when the information is made available.
н	Н	Н	Integration and Interface Management	The project team continued to update the communication plans for each of the interface partners. The detailed interface schedule along with the testing approach and plan is in progress. The timing of the integration between the BES Modules (SSP, CMM, FMM) and interface partners remains a high criticality rating.
N/A	M	M	Testing	The ASI continued to research the test process to identify the root causes of the high number of UAT defects.

As of the June 2021 reporting period, PCG is tracking 16 open findings (8 risks and 8 issues) and has retired a total of 46 findings. Of the 16 open findings, 10 are related to Project Management, 2 in Integration and Interface Management, 2 in System Design and 1 each in Configuration and Development and Testing.



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
	No findings were retired in this reporting period.	



New Findings

#	Finding	Category
	No new findings were identified in this reporting period.	

#	Key Findings	Criticality Rating
2	Issue – Late Delivery of project deliverables may cause schedule delays . The ASI published a draft revised schedule on 6/17/2021. Comments and questions submitted by DHS and IV&V are under review. The project team is moving forward with the revised schedule with the understanding that further revisions may be required prior to DHS acceptance.	н

R	Recommendations	
•	DHS and the ASI agree and publish the revised schedule based on the KOLEA ATC impact and CMM development delays.	In process
•	When the revised schedule is published the project team should restart the weekly practice of reporting actions being taken for late tasks and develop mitigation plans for those tasks that may be late.	In process



#	Key Findings	Criticality Rating
	Issue - Uncertainty and/or a lack of communication around long term architecture decisions could impact the project budget, schedule, system design, and planning decisions.	
29	The ASI reviewed the change order to implement 2 portals (BESSD and MQD) instead of a single consolidated portal. Some details of this change have yet to be provided and the stakeholders raised multiple questions and concerns. The ASI indicated that the project is considering replacing the existing State hub with Boomi toolsets, but details are not yet available.	L

Recommendations	
• DHS should finalize the Portal strategy and communicate the strategy with the stakeholders and p	project teams. In process
 The project should continue to vet possible architectural change impacts to the platform, M&O, MO systems before finalizing architectural decisions. 	QD, and BES 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. There are no material updates in this reporting period.	Н

Recommendations	Progress
• DHS continue to work with the appropriate organizations to identify the funds necessary to fill these positions.	In process



#	Key Findings	Criticality Rating
	Risk – The COVID-19 pandemic and the related "stay at home" order could hinder project activities and negatively impact the project schedule and budget.	
47	The ASI continues to limit their office occupancy to 50% to comply with State mandates but has indicated that in-office team members continue to see increased productivity from in-person project collaboration. Some key DHS SME's will continue to work remotely which could pose a challenge to project productivity. Earlier concerns with COVID impacts to their offshore (India) team because of the spike in new cases appear to be subsiding. IV&V changed the criticality of this finding from medium to low and will continue to monitor.	L

R	Recommendations	
•	Suggest the project and DHS create a detailed, documented risk mitigation strategy and plan that is reviewed regularly and revised to address the current state of the COVID-19 threat and related impacts over the next 6 to 12 months. The plan should include the possible economic impacts to the state budget directly related to project resources.	In process
•	Send broad communications to stakeholders to assure clear understanding of changes to the project with this regard to impacts of COVID as well as clarifying communications as to what will remain the same.	In process



#	Key Findings	Criticality Rating
48	Risk – The CMS Outcomes-Based Certification Requirements have not been published by CMS, which may impact the project schedule and funding.	M
	There are no material updates this month; IV&V will continue to monitor.	

Recommendations	
 DHS to continue dialogue with CMS regarding the project's approach to OBC and MITA alignment to ensure all CMS requirements are met by the BES Project. 	In process

#	Key Findings	Criticality Rating
49	Issue – Poor quality project deliverables may impact system design, testing artifacts and the project schedule. No material update during this reporting period, DHS and IV&V will review the ASI's revised process metrics when they are published.	L

Recommendations	Progress
 IV&V recommends that a facilitated root cause analysis be performed by the ASI with DHS and IV&V in attendance. Quality issues are rarely generated by a 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, IV&V recommends immediate action be employed to resolve quality concerns on in-process deliverables prior to submission of subsequent deliverables. 	In process
• IV&V recommends that the 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
	Risk – User Acceptance Testing (UAT) processes and timing of inputs required for UAT could lead to implementation delays and delivery of a solution that does not meet business needs or requirements.	
54	Release 0.4 UAT began on June 28th and the results of the Release 0.3 Lessons Learned survey were distributed by the ASI; the action plans are planned to be developed in July 2021. Although the action plans are not yet defined, the project team applied some process changes to Release 0.4 UAT including freezing the functional design and delaying the completion of SIT to resolve and retest defects prior to the start of UAT. These changes are anticipated to minimize rework by the DHS UAT team.	M

Recommendations	
 Further develop the Release 0.3 Lessons Learned action plan to include target complete dates. Report progress in the weekly status meeting. 	In process
 All agreed upon actions to resolve issues called out in Lessons Learned should be added to project schedule so adequate timing is provided to support UAT preparation and execution. 	In process
 The ASI could conduct a debrief meeting with DHS after SIT and UAT have completed, summarizing work completed and follow-up actions required from ASI and DHS. 	In process
 Evaluate the process and/or schedule to determine if adjustments could streamline the process for the UAT test team to plan and create UAT test cases, minimizing rework. 	In process

#	Key Findings	Criticality Rating
58	Risk – The data conversion effort lacks leadership, consistency in data governance, and effective communications which may impact the schedule. The ASI and DHS continue tactical work related to data conversion (data cleansing, source to target mapping, etc.). While the current schedule includes data conversion tasks, it is unclear when converted data will be used to conduct SIT and UAT testing. The data conversion team is providing a weekly status update and is updating confluence with the project documents along with key metrics to accurately measure and report data conversion progress.	M
Rec	ommendations	Progress
	ssign a dedicated project leader to actively manage all aspects of the Data Conversion effort. Consider a full- me position until the Data Conversion effort is completed.	Complete
• Ir	vestigate and resolve communication issues that are suspected to be delaying the data conversion effort.	Complete
	rioritize the conversion activities to validate the key tasks are addressed early to avoid further delays onsidering the complexity of the later releases.	In process
• U	pdate the timing of the project Data Conversion meeting from every-other-week to weekly.	Complete
	he ASI should develop reports with metrics that accurately measure the Data Conversion progress along with high-level pictorial view of conversion activities planned for each release.	In process
• A	dd detailed Conversion tasks to the Project Schedule.	In process
	he DHS Data Governance committee needs to clarify the usage of MDM so the BES conversion team aligns the planned governance structure.	In process

#	Key Findings	Criticality Rating
62	Issue – Inability to measure development team velocity may impact the projects' ability to forecast the delivery date of the remaining features. No progress to report this reporting period. The CMM/FMM team is unable to measure sprint velocity and	н
	there are no story point estimates in the FCM_ALL backlog. Velocity is being tracked for the SSP sprint team but they consistently commit to more work than their velocity indicates they can complete in a single sprint. This is a symptom of not using velocity as a planning tool during Sprint Planning.	
Re	commendations	Progress
	The ASI work with the subcontractor Scrum Masters to calculate the average velocity from past iterations to be used as a historical reference.	In process
	Noving forward, the development teams should provide the ASI with Sprint and Product Burndown charts at the end of every iteration.	In process



#	Key Findings	Criticality Rating
65	Risk - DHS BESSD knowledgeable staff are needed on the project to ensure the BES solution is designed to meet the business needs and requirements. In the 6/9/2021 Status Meeting, DHS reported they added a Reports SME and two additional staff to the UAT test team. DHS continues recruiting for the BES PM position.	м

Recommendations	Progress
DHS continue to identify BESSD SME's to support the project as the project progresses.	In process
 DHS develop a project team list that identifies the participants along with their roles and areas of expertise to be used as short-term needs are identified. 	Complete
• DHS utilize the BI-4 Project Schedule report developed by the ASI to identify those tasks owned by DHS in the short team in addition to the 4-month look-ahead to identify time frames and activities where there is a high-demand on DHS resources.	Complete
Identify and on-board a replacement BES Project Manager.	In process
 Continue coaching the new BES Product Owners to ensure the new system takes advantage of new technologies and aligns to the planned business processes. 	In process



Integration and Interface Management

#	Key Findings	Criticality Rating
60	Risk – System Integration of the BES Modules (CMM, FMM, SSP) will be developed in the later releases vs. a continuous integration model within each release which may cause schedule delays. This reporting period, IV&V reviewed the SSP Integrations document in Confluence that outlines the integration approaches for the identified SSP integration points. The document was designed as a reference for developers and contains the expected low-level details (API calls, request/response). To prepare for future knowledge transfer, it should also include high-level information (specific module names associated with each integration point). The SSP integration document will continue to evolve and is a positive step towards the mitigation of this risk.	Н

Recommendations	
 Prioritize the build of integration points within each module and the creation of scripts (API calls) required for integration. 	In process
 Each release demo should be a collaborative effort across all modules (end-to-end solution) and verified against system-level requirements. 	Not started
 If the ASI needs all the remaining releases to demonstrate an end-to-end solution of the identified business processes across all modules, IV&V recommends planning and communicating the mitigation strategy for handling risks associated with a 'big bang' release. 	Not started



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 project team continues to update the interface planning documents. IV&V conducted another review of the Communication Plans and found that 3 interface partners' contacts have not been documented, 4 MOAs have not been approved, and testing dates have not been confirmed for 20 of the interfaces.	Н

Recommendations		
•	Establish a communication plan for each interface partner for the duration of the BES DDI activities to include the contact's name and information.	In process
•	Define a detailed schedule for each interface to include milestone dates, coordination, and execution and share with the interface partners.	In process
•	Determine which deliverable will include the details associated with the planned connectivity and detailed technical designs of all interfaces.	In process
•	Complete all MOAs and obtain approval.	In process
•	Confirm testing dates with interface partners in writing.	In process
•	Distribute preparation procedures for interface implementation to the interface partners.	In process



In process

Configuration and Development

knowledge on demand.

#	Key Findings	Criticality Rating
16	Issue – Lack of clear understanding of the DDI approach may reduce effectiveness of all SDLC Processes. The ASI is drafting changes to their current development approach to address DHS concerns. Details of the changes have yet to be fully delivered, vetted, and communicated to the DHS project team. IV&V will review proposed changes once more details become available.	M
Recommendations P		

•	ASI provide an additional DDI approach overview session for stakeholders who still may be unclear on elements of the methodology, especially new product owners.	In process
•	ASI make available their DDI approach documentation/materials for stakeholders to review and/or refresh their	



System Design

#	ŧ	Key Findings	Criticality Rating
3	8	Issue – Due to the sequencing of JADs addressing Workflow at the end instead of during current JAD sessions, the project could be faced with significant design rework, which may result in schedule delays, and impact the quality of solution design. No material update for this reporting period.	L

Recommendations	Progress
ASI to quickly define how the workflow/task functionality will flow and provide training to the facilitators.	In process
 ASI augment the project team with seasoned business analysts, with significant workflow expertise, to review workflow/task functionality and integrate into systems designs with input from DHS. 	In process
• ASI to develop a high-level and detailed view of workflow for the BES application. This will provide the project team with a visual view of the workflow processes and integration points with the workflow software.	Not started

System Design

#	Key Findings	Criticality Rating
61	Issue – Poorly executed JAD and "design sessions" could lead to inaccurate design and rework. No JAD or Design Sessions were conducted in this reporting period. However, the ASI provided IV&V a brief overview of the proposed process change to conduct design sprints in concert with the project schedule revisions. In addition, the ASI subcontractor added two Systems Analysts, but it is unclear if they have Integrated Eligibility experience.	M

Recommendations	Progress
 JAD and design sessions should be led by experienced senior BAs, with goals, objectives and results communicated to all participants. 	In process
The facilitator should use their expertise to drive discussions through leading questions.	In process
 The DHS and ASI product owners should actively participate to ensure the system meets the requirements, designed taking advantage of new technology and aligns to the 'to be' business process. 	In process
• The ASI should back-track significant differences in design direction to determine the root cause in an effort to identify these items as early in the SDLC as possible.	In process
 The Product Owners should have more direct interaction with the development team, proactively seeking collaboration. 	In process

Testing

#	Key Findings	Criticality Rating
66	Risk – The number of issues/defects found in UAT may cause planned work in the future sprints to be delayed due to the prioritization of the resolution of issues/defects found in UAT. There are no material updates to this finding; the ASI continues to conduct a root cause analysis. Concern still remains that defects reported in UAT exceed the number of defects reported during System Test as shown through defect leakage metrics.	M

Recommendations	Progress
Performing a joint (DHS/ASI/IV&V) Root Cause Analysis (RCA) to identify and take corrective actions	In process
 Adjust the project plan and provide reasonable scope for UAT for subsequent releases taking into account the number of defects and testing time needed. 	In process
Validate all UAT defects are retested in SIT to ensure they are included in Regression Testing.	In process
System and Integration testing be executed more rigorously.	In process
The ASI should report on leakage and DHS should monitor this Key Performance Indicator (KPI).	Not started
 FDD's be complete and frozen prior to the completion of SIT and that completion of FDD's be added to the exit criteria for SIT and entrance criteria for UAT. An alternate recommendation would be to adjust the process to minimize schedule slippage and rework by the SIT and UAT teams. 	In process



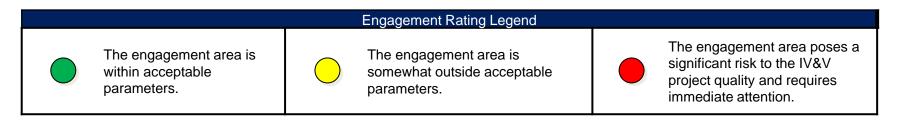
IV&V Status



IV&V Engagement Status



IV&V Engagement Area	Apr	Мау	Jun	Comments
IV&V Budget				
IV&V Schedule				
IV&V Deliverables				The Release 0.3 SIT Test Case Analysis was published. The Release 0.3 UAT Test Case Analysis was published. The Release 0.4 SIT Shadow Testing results was published.
Centers for Medicare and Medicaid Services (CMS) IV&V Progress Reports				The first quarterly CMS Eligibility and Enrollment (E&E) IV&V Progress Report is on hold until IV&V and DHS determine the appropriate time to submit the report.
CMS Milestone Reviews				The first CMS Milestone Review date has not yet been determined.
IV&V Staffing				Trish Berger and Andy Wergedal joined the IV&V team.
IV&V Scope				



IV&V Activities



- IV&V activities in the June reporting period:
 - Completed May Monthly Status Report
 - Ongoing Review the BES Project Artifacts and Deliverable
 - Ongoing Attend BES project meetings, (see <u>Additional Inputs</u> pages for details)
 - Reviewed available ASI Original Contract and BES Optimization contract amendment documentation
- Planned IV&V activities for the July 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/Monthly 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-22 Release 0.4 System Test Report – DRAFT	6/23/2021	Draft
BI-14 Release 0.4 Technical Design Document - CMM/CF (Iteration 1)	6/21/2021	V1
BI-10 Release 0.4 Self Service Portal - Report A Change (Iteration 2)	6/18/2021	V2
BI-5 Project Schedule	6/17/2021	Draft
BI-14 Release 0.4 Technical Design Document - SSP	6/8/2021	Draft
BI-10 Release 0.4 Self Service Portal - Report A Change	6/1/2021	4.0
BI-14 Release 0.4 Technical Design Document - CMM/CF – DRAFT	5/27/2021	Draft
BI-14 Release 0.4 Technical Design Document - SSP (Iteration 1)	6/30/2021	V1

Additional Inputs – Artifacts



Deliverable Name	Artifact Date	Version
Unisys Contract Amendment 3	4/17/2020	N/A
Two Portal Change Request	6/16/2021	1.0
FNS Handbook 901	01/2020	V2.4
BES Risks and Issues Log	06/02/2021 06/09/2021 06/16/2021 06/23/2021 06/30/2021	N/A
BES Weekly Schedule (BI-5)	06/17/2021 06/28/2021	N/A
BES Weekly Status Report	06/02/2021 06/09/2021 06/16/2021 06/23/2021 06/30/2021	N/A
Java Code Standards	09/11/2020	1.6
BES Shared Interfaces	N/A	N/A
R0.3 Codebase	05/11/2021	0.3

Additional Inputs



Meetings and/or Sessions Attended/Observed:

- 1. Weekly Platform Status Meeting 6/1/2021, 6/8/2021, 6/22/2021, 6/29/2021
- 2. Weekly Architecture Meeting 6/2/2021, 6/16/2021, 6/23/2021, 6/30/2021
- 3. Weekly Project Status Meeting 6/2/2021, 6/9/2021, 6/16/2021, 6/23/2021
- 4. Weekly BES PMO and IV&V Touch Base 6/23/2021
- 5. Weekly BES Dev Stand-up 6/2/2021, 6/9/2021, 6/16/2021, 06/30/2021
- 6. Weekly SSP Backlog Grooming Session 6/2/2021, 6/10/2021, 6/17/2021, 6/23/2021, 06/30/2021
- 7. BES Data Conversion Meeting 6/3/2021, 6/7/2021, 6/14/2021, 6/21/2021, 6/28/2021
- 8. Weekly Schedule Review Meeting 6/1/2021, 6/10/2021, 6/15/2021, 6/22/2021, 06/29/2021
- 9. Weekly IV&V Team Meeting 6/1/2021, 6/7/2021, 6/10/2021, 06/14/2021, 6/17/2021, 6/21/2021
- 10. IV&V Team BI-5 review check-in 06/15/2021
- 11. R0.5 Screen Prototype CMM DSNAP 6/2/2021
- 12. Release Checkpoint Meeting 6/3/2021,
- 13. R0.5 Screen Prototype CMM CO05w and CO05r 6/3/2021
- 14. R0.4 Weekly SIT Status 6/3/2021, 6/10/2021
- 15. R0.5 Sprint Demo CO05t Manage Sponsor Information 6/4/2021
- 16. Release 0.3 Code Questions ASI and IV&V 6/7/2021
- 17. DHS and IV&V Touch Base 6/7/2021, 6/21/2021
- 18. R0.6 Screen Mockup FMM FM18 FM21 & FM23 6/7/2021
- 19. Sprint Demo | SSP 6/7/2021, 6/21/2021
- 20. R0.4 BI-14 Walk-Through Application Registration, Scheduling, Appointments, Standardized Address, Case Notes 6/8/2021
- 21. Implementation Planning 6/8/2021, 6/22/2021
- 22. BES Interface Planning BESSD, ASI, IV&V 6/9/2021
- 23. R0.5 Screen Prototype SSP QM01, QM02, and QM03 6/9/2021
- 24. R0.5 Screen Prototype CMM CO05j Manage Asset Information 6/10/2021
- 25. Enterprise Operations Committee 6/10/2021, 6/24/2021
- 26. IV&V and CCWIS Check-in 6/14/2021
- 27. CMM/CF/FMM Bi-Weekly Backlog Grooming 6/15/2021
- 28. ASI/IV&V Mid-month Check-in 6/16/2021
- 29. R0.6 Screen Prototype FM22, FM22a, FM25 6/16/2021
- 30. BES CCB Monthly Meeting 6/23/2021
- 31. HI BES ASI and IV&V Touch Base Technical 6/17/2021
- 32. DHS ESC 6/17/2021

Additional Inputs - Continued



Meetings and/or Sessions Attended/Observed:

- 33. R0.5 Screen Prototype CMM CO05j Manage Asset Information (Part 2) -6/17/2021
- 34. R0.5 Sprint Demo CMM CO05f and CO05o 6/18/2021
- 35. R0.5 Screen Prototype CO05n and CO05q 6/18/2021
- 36. R0.5 Walk-Through MDM ICD's 6/22/2021
- 37. HI BES ASI and IV&V Touch Base Functional 6/22/2021
- 38. R0.4 BI-14 Walk-Through SSP 6/22/2021
- 39. R0.5 Prototype Review SSP Renewals- 6/22/2021
- 40. R0.4 BI-10 Comment Review SSP RAC 6/22/2021
- 41. Lunch and Learn 6/25/2021
- 42. Release 0.3 Lessons Learned 06/28/2021
- 43. ASI and IV&V Requirement Tracking in Aha 06/29/2021
- 44. Monthly Project Risk and Issue Review Meeting 06/29/2021
- 45. R0.5 Prototype Review SSP Renewals (Part 2) 06/29/2021
- 46. ASI and IV&V June Pre-Draft Review 06/30/2021

Appendices





Appendix A – IV&V Criticality Ratings

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

Appendix B – Findings Log



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

Appendix C – Acronyms and Glossary



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

Appendix C – Acronyms and Glossary

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

Appendix C – Acronyms and Glossary

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

Appendix D – Background Information



Systems Modernization Project

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

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

Systems Modernization IV&V Project

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

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

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

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

Appendix D – Background Information



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

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

PCG's Eclipse IV&V® Technical Assessment Methodology

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

IV&V Assessment Categories for the BES Project

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

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



Solutions that Matter

inding Number	Title	Reporter FindingType Identified Category Date	Observation	Significance	Recommendation I		obabilit Analyst Pr Finding Status Date Retired		lient Comments	Vendor Comments
	The multiple of issues/defects found in ULXT may cause planned work in the future sprints to be defauld of the the prioritization of the resolution of issues/defects found in ULXT.	Earl Burba Finding-Rick 3/29/2021 Tearing	this phase of testing appears greater than what would be expected during UAT. On	d a d	Adjust the project plan and provide reasonable scope for UAT for subsequent releases taking into	immediate 3 3	Med Open	CV2/CV2. There has been to matterial update to this finding the AG portions to conduct an ord same analysis. Concern all three sign same that diffects propertial to be conduct and the same signs. Concern all three signs are signed as the conduct and the same signs. Concern all three signs are signed as the conduct and the same signed as the same sis the same sis the same signed as the same s		4/2)(21 MP - The AIT has completed our HCA for the high number of defects that were detected funging UAT. We how of similar access to the defect in the summary data (UAT. 1) there are a tag data (UAT. 1) the summary data (UAT. 1) there are a high results of the summary data (UAT. 1) there are a high results of the summary data (UAT. 1) there are a high results of the summary data (UAT. 1) there are a high results of the summary data (UAT. 1) there are a high results of the summary data (UAT. 1) there are a high results of the summary data (UAT. 1) there are a high results of the summary data (UAT. 1) there are a high results of the summary data (UAT. 1) there are a high results of the summary data (UAT. 1) th
	exter SECU and Fullh approxima because to excerpt a subshifts an end of the project on example to business needs are sufficiently captured so that the BES solutions is designed to meet the business needs and requirements.	Ryan Pinding Kuk 3/2/2021 Project Mosagene		IEEGS table (14) An experision backness benefolds and availability are critical to the project to encounter backness calls and inquirements are effectively documented as the new system is designed and developed.		ASAP 3 3	Med Opan	Display(2):21:1.1.1.1.1.014(30)(2)(2):1.0.0014 Netting, BHC separate https://doi.org/10.1014/0004/2014/2014/2014/2014/2014/2014/		42/L21.84*-DH5 has added a number of product owners to the project over the past from control and given them the authority to make design decisions for the department. This has resulted in improvement in the time around time for decisions being made.
	The lisk of early glasning and coordination with interface partners may result in schedule delay.	Al Pargelinan Finding Kat 1/21/021 Integration Integration Manageme	documented by the ASI Connectivity is planned to utilize a presently undefined ETS and API Gateway; however, there is no evidence that details have been determined or documented in this regard There is little evidence of active and sufficient communication with interface partners for coordination, design, and testing activitie	5 effectively manage all the task and activities to successfully implement data sharing. A clearly defined communication plan and checkle that includes the coordination, planing, and execut activities along with milestone dates may minimize the risk of possible delays. In addition, after glanning has been completed, instrator gartners will have to available during interface is implementation to ensure that the interfaces are properly tested before deploying the system to production.	In table is communication plane for each interface pandem from the duration of the BEDD of catifiers. 2 Johns and table schedule for each interface to include interface and each interface. The durate and table schedule for each connecting via distributional datage. In economic and execution and durate with the interface pandem. It is durate the durate able will include the development associated with the planet downsching via distributional datages. The durate down and the durate able will be able to the durate able of the durate obtain approval. E Confirm testing datas with interface panters in writing. 2 Destribute perspectision producets for interface patients partners. The durate panters is writing a blanch able of the durate address the unavailability of interface Panters during interface amplementation	Q4 2021 5 3	High Open	GR2022XII. The project tank octivates to update the interface graning documents. W conduct and ther view of the Communication Pitra and Guardina Silver Conduct and the related on the second second base conducted by 20 d the second s		4/23/21 APA - The interface team has created communication plans for all interfaces. The decision on storing datase will be noted on an apoptic checklish has been updated on interfaces. The decision on storing datase will be noted on an apoptic checklish has been updated for interfaces. The decision of the terminin outcarheding, however, this is writing through the process of locating flows, and we do not expect that the local AMU/UMU/UMU will have impact on the project unlike game line u2/27/2011. Area instant that Inter (CRA interfaces in starts for Alleress of & as one of the BE3D interfaces and the local AMU/UMU AMU and the project theoletics in unidear CRA. 20/27/2011 rag. Commonloon E1 west break in the Interface The AMU and the Interfaces. The start of the Interface and the Interface and the project handwards in the Interfaces. The AMU AMU and Interfaces and the Interface and the project handwards in the Interfaces of the Interface and Interface and Interface and Interfaces and Interfaces and Interfaces and Interfaces. The Interface and Interface and Interface and Interfaces and Interfaces and Interfaces and Interfaces Interfaces and Interfaces and Interfaces and Interfaces and Interfaces Interfaces and Interfaces and Interfaces and Interfaces Interfaces and Interfaces and Interfaces and Interfaces Interfaces and Interfaces and Interfaces Interfaces and Interfaces and Interfaces I
	Indelity in o mesony development to one velocity may impact the projects and the foremat the delivery data of the remaining features.	John Pieding: 13/28/2020 Project Issur	The sub-contraction development teams don't currently track and report Sprint effortly to the AD.	to forecast how many iterations the team will need to complete the remaining work. Developme teams use velocity to avoid over-committing to work in future Sprints. Velocity can also be an ea indicator that the project needs more time or resources to meet the planned release dates. If the	11) VPP recommendant the AS such as the two absorbance from the Materia to calculate the energies with developing theory and two absorbance in Materia and Assorbance. In the Anderson IP Landson Ander provide the ASA with the Boyer and Particular Bandwance. The Such Assorbance IP Landson Assorbance in the Such Assorbance IP Landson Bandwance and the Assorbance variable and complete for such Boyer and the Product Bandwane that in table and energies and complete and complete for the ASA with a Such and assorbance that and the Assorbance and Bandwane variable and complete for such Boyer and the Product Bandwane that in Such and Bang and Such and the Assorbance and exercises and assorbance and the Such Assorbance and Bandwane bandwane. The Assorbance and the Assorbance and the Assorbance and Bandwane bacome common practice.	7 4 4	High Opun	def202221: It is programs to regard this reporting partice. The CAMM/MM tasks in the FGA (2022) is programs to regard this report this reporting partice. The CAMM/MM tasks in the FGA (2022) is provided by the comparison of the the SSF partice transm to the programs of the start and the the the transmitter of the start and the report of the start and the the transmitter of the start and the report of the start and the the transmitter of the start and the report of the start and the transmitter of the start and the report of the start and the transmitter of the start and the report of the start and the transmitter of the start and the report of the report of the start and the report of report of the report of report		4.20/21 cp The Marging of you cases in Kharch to Mutar release the doubling to do with development team velocity, intack, they were based on the unavailability of resources meeted by the degran and development team to complex the wave. The CMM (MM development cases to complex the wave. The CMM (MM development cases to complex the wave. The CMM (MM development cases to complex the wave. The CMM (MM development cases to complex the wave. The CMM (MM development cases to complex the wave. The CMM (MM development cases to complex the development cases the development cases to complex the development cases the development cases the development case the development cases th

61	Poorly executed (A) and doing inaccutate design and revolu-	seccione could lead to Brad	Foding 11/30/2020 System Des	being observed, - No clear introduction to all participants on the goal of the JAD, overview on the process and the importance of their participation On many occasions the conversation needed to be driven by leading questions, as expected,	the CMM Workflow JAD sessions, specifically; (1) Do the JAD participants understand how the Case will be managed through workflow? (2) What improvements will be made in the new BES to support the users and clients? Incomplete or unclear JAD sessions with insufficient documentation round load to a none feeline. Licking the details needed to sunnort business remainments as well as	participate to ensure the system meets the requirements, designed taking advantage of new	ASAP 2 2 Med	$d^2 R/2021$. The AIA of the plays baselines were conducted in this response generation $d^2 = 100000000000000000000000000000000000$		420(2)r or . The AGA approaches the encapyoins of the front to MW that things have improved the performance of encapyona the performance of the performance
60	Le developed in the Later relia model within e.ch. relase who	may cause icheñole delays.	nterface Manageme	conducted separably with each helesa. Integration joints between the modules are converted values on the ASI say we to demonstrate integration of the modules and end to end functionality.	simultaneosi y localify localify how of the piped resulting in a fawed and immuture dathere, in there, in piped, inclusion is any ecited to constraints only in hours. The Jack Sulf data was a second of the second seco	12/7021-14/70 recommends proteinings the hulfs of histogradow points with each models and the proteins of rocycle (LC) in ground of motions. To, Artise and a build do a collaborative effort across all models (ends tends stoldard), a commonstrating the understanding of one of the store all models and the store of the ends store of the store and the across all models as, for Vecommends planning and communicating the miligation strategy for across all models, by Vecommends planning and communicating the miligation strategy for handling risks associated with a 'tog bang' release.		The control of the second seco		42/37/21 KM-The ASI SP team has developed integration stubble for application submission from SM to the CAM wystem. The studies are included as part of RA SM reteaus. The companyance of the CAM wystem is the studies of the CAM set of the CAM se
58	The Data Conversion effort lac Data Governance, and effective impact the schedule.	Leaderbly, consistency in Bad	Finding-Risk 9/20/2020 Moject Manageme	The fast Conversion effers appares to task isserticity for them the AdL and UEs. MV has become award the while IGH case and a data data data data data data dat	The lab of a Project Conversion Lead, coupled with communication challenges on tasks, activities, and decisions can, and already has, led to schedule delays.	- Asigna defacted project lader to actively manage all agent of the Data Conversion Her. Condered a full the goldmont with the Data Conversion Herrit complexity and exolution communication issues that are suspected to be delaying the data conversion effort. In Project the Communication issues that are suspected to be delaying the data conversion effort. In Project the Conduction of the Complexity of the Later Constraints and the Complexity of the Complexity of the conductive the Complexity of the Later Constraints. A del datafield Complexity in the Inter Constraints Conduction, - The the Conversion generary. And datafield Complexity and the data Constraints in the Data entrance operation which is all in the delayed of the using of MCMA to the BES Conversion Listen Eligiptis the planned generative instraints.	04.2000 3 2 Med	67.02/2017 The ALB and Diffe continue tartical learn fraited to data coversion differ a desample, source to target mapping e.e.s. The carrent schedule does include Dia Coversion task however, it is uncase a when coverside data with the product does include Dia Coversion task however, it is uncase a when coverside data with the product does and the coversion of the data coversion product. Sub2022 1: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion targets a sub2022 2: VV careful to the data coversion target a sub2022 2: VV careful to the data coversion target a sub2022 2: VV careful to the data coversion target a sub2022 2: VV careful to the data coversion target a sub2022 2: VV careful to the data coversion target a sub2022 2: VV careful to the data coversion target a sub2022 2: VV careful to the data coversion target a sub2022 2: VV careful to the data coversion target a sub2022 2: VV careful to the data coversion target a sub2022 2: VV careful to the data coversion target a sub2022 2: VV careful to the data coversion target a sub2022 2: VV careful to the data coversion target a sub2022 2: VV careful to the data coversion ta		4/21/21 MP -The AG appress that the conversion is often a high nitk area for projects of this size and coses. We apprese and piles to add metrics based imposite is the Bude Conversion process in the next provide the second s
54	User Acceptance Facility (UNT) requirement for UKT could lead of delivery of a solution that does requirements.		Finding - Ruk (524/2020 Project Manageme	t 10. Poorly planned and executed User Acceptance Testing (UAT) could lead to implementation delays and delivery of a solution that may not meet all business needs. During this reporting period, UAT was initiated. However, several deliverables that support the UAT process were not provided and/or approved prior	who will be using the application day to day. It is the final stage of the implementation process; conducted or ensure that speem requirement were business reads and a literary far any subscription to be fixed below the system gest rise. A LBT that is not comprehensive could equil in defects being fixed to the system gest rise. A last if not is not comprehensive could equil in defects being fixed by the system of the system were solution updates and reduction of our confidence in the solution.	execution Further develop the action plans to include target complete dates. Report progress in the weekly status meeting The ASI could conduct a debrief meeting with DHS after SIT and UAT	inmediatity 3 1 Med	Lessons Learned survey were distributed by the ASL, the action plans are planned to be developed in July 2021. Although the action plans are not yet defined, the opticat team applied some process changes to Release 0.4 UAT including freezaig the functional design and delaying the completion of STI To resolve and retest defects prior to the at of UAT. These changes are anticipated to minimize rework by the DHS UAT team. (6/J20/2021. There were no active UAT sessions during this reporting period. However, DHS indicated that in Release 0.3, the	ASI side. Project schedule will be re-aligned to ensure that predecessors are completed prior to	by the end of the review period. Recommendation # to review and categorize "anomalies" reported from LHT is complete. The use of this term rather than industry specific terminology by the VRV hints at a value judgement on the definition of a defect. During this period, the ASI met with DHS project leadership and reviewed the process for managing both defects (when the system does not behave as designed) and entencements (a request to change the design) raised by the

2

Poor quality project deliverables may impact system design, Brad testing artifacts and the project schedule.	Finding - 4/16/2020 Project Issue Management	In April, four BI-10 design deliverables and one Interface Control Document deliverable were submitted for client review. There was an average of 85 comments	The staff time spent on reviewing deliverables is exceeding the plan for all project entities and has caused schedule delays due to the associated rework needed for remediation. If poor quality	IVV recommends that a facilitated root cause analysis be performed by the ASI with DHS and IVV in Immediate 2 attendance. Quality issues are rarely generated by a single entity in a project, so there could	2 Low Open	6/30/2021 - No material update during this reporting period, DHS and IVV will review the ASI's revised process metrics when they are published. 05/30/2021 -	06/30/2020 - New deliverables this month included BI-10 and BI-20. BI-10 was initially called back for quality issues, and the issues were corrected. DHS is not comfortable with BI-10 re-format, will be revised again.	4/23/21 rap - The ASI team agrees that the full embrace by the project of the Confluence tool
сказли в и лински или сле розреск асловован-	rade mangement			IVV recommends that a facilitated root cause analysis be performed by the ASI with DHS and TWI in Immediate 2 attendance. Quality issues are a revely generated by a single entity in a project, to there could periodially be multiple cause or root causes of this caurest condition. North the root cause() are dentified, VV recommends immediate action be employed to recolve quality concerns on in- process deliverables prior to admission of notaxigent collevables. We recommends that the ASI period dentified of the transmission of the recommends that the ASI with the ASI and th		reviewed. The revised metrics were not provided by the ASI. 04/30/2021 - Improved collaboration between ASI. DHS SMEr and Product Owner in deriva-		impacting the project will remain low if all parties continue to engage in the processes agreed the combined project team. The ASI doer directe the paties that quality has improved due to
		perspective. DHS logged this issue in the Project issue Log for corrective action by the ASI. The ASI acted by conducting an internal root cause analysis and provided DHS and IVV the high-level results.		process between the source and that one of the source of t		related discussions in brains a positive impact on the quality of deliverables. The ASI is currently developing additional quality metrics to quantify these improvements. IVV will continue to monitor. 03/31/2021 - The quality of		use of Confinence largely because the V&V team has yet to establish any meaningful measure use of Confinence largely because the V&V team has yet to establish any meaningful measure baselines quality on the project. The ASI team in January did capture metrics that supported quality has marignally improved since earlier in the project; however, the larger change in the
			UT UNATION.	1) selecting BES implementation process and product attributes to measure; 2) selecting component activities to measure; 2) defining value scalar for each component activity. () recording		deliverables continues to show improvement, mainly due to the use of the Configurate tool and its collaborative canabilities. INV will continue to monitor		project regarding project quality appears to be the project narrative. We attribute this is large due to the increased coll shoration among the ining taxes in open ying deliverables. It should
				Component activity values; and 5) combining there can be activity values into a single number 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 ASI is utilizing metrics to		the implementation and the effectiveness of quality improvements. 02/28/2021 The Project continued to implement Release 0.2 Lessons Learned initiatives to improve project quality during February. Confluence is enabling the team		onted that while the Confluence team has provided a number of possitives for the project, it change the metrics for measuring quality. The ASI is working to establish new metric based
				measure its process and product quality.		collaboration to increase the quality of deliverables and work products. IVV has		processes for measuring quality. 2/26/21 con - The ASI director that the deliverabler submitted in January were inconsistent.
						reduced the criticality of this finding to low and will continue to monitor the implementation and the effectiveness of these quality improvement initiatives.		24.22.22.119 ² The evolution of the second statement of the second stateme
						01/31/2021 -The ASI submitted multiple deliverables during January spanning all current releases, with inconsistent document quality results. Some technical		observational bias that is heavily informed by historical project narrative or the crudest ana metrics, the number of comments. If the latter, the analysis focuses solely on the numerato
						deliverables exhibited improved quality, while some design-related test deliverables continued to exhibit multiple anomalies. The project team		ignores the denominator (the size of the deliverable). Based on that, the functional and test deliverables received fewer comments per page than the technical deliverables.
						conducted a Deliverable Review Filot Process Review in January, which provided insight into the effectiveness of the process since its inception. The timing metrics clearly indicated that the deliverable review process had increased the		
								The ASI has taken the following steps since this concern was originally raised on the project
						did not indicate deliverable quality improvement. The Project Team began several Lessons Learned initiatives aimed at increasing both the speed and quality of deliverables, and VVV will continue to monitor both the		Ine Aoi nas taxen the following steps ince this concern was originally raised on the project: have added a document management team that reviews all documents and responses to th 2) piloted a new process that includes document walkthrough's, peer review, team lead revi quality review all of which occur before a deliverable is submitted for formal review, 3) gain
						implementation and the effectiveness of these initiatives through at least Release 0.4	2	2) proceed a new process that includes obcomment watermoogn's, peer neweey, earning and
The CMS Outcomes-Based Certification Requirements have Jolene not been published by CMS, which may impact the project	Finding - Risk 3/30/2020 Project Management	requirements/process, which allows states to receive 90% FFP for Medicaid	functional and technical requirements, the project's ability to receive enhanced Federal funding	The State continue to follow-up with CMS for the status of the release of the OBC Process and Prior to Func 3 Requirements and discuss this risk with CMS to determine if there will be any options available to	3 Med Open	quality of Derivatiants, and IVV WIII.Committee or Monitation and the effect implementation and the effectiveness of these initiatives through at least Release 0.4. 31/21/2010. These are not material updates this month. J/21/2021. There are no material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI 2010 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this material updates this month. J/VI WIII continue to monitors. 4/30/2021 - No material updates this		
schedule and funding.		functionality of the BES solution.	may be at risk.	minimize this risk to the State.		during this reporting period. 2/28/2021 - No material status update during this		
						reporting period. 1/31/2021 - No material status update during this reporting period. 12/31/2020 - No material status update during this reporting period.		
						11/30/2020 - No material status update during this reporting period. 10/30/2020 No material status update during this reporting period. 9/30/2020 - No material status update during this reporting period. 8/31/2020 - No update during this		
						status update during this reporting period. 8/31/2020 - No update during this reporting period. 7/31/2020 - No update during this reporting period. 06/30/2020 - No update during this reporting period, IVV will follow-up with DHS		
						and provide an update in the next report. 05/31/2020 - No update during this reporting period. 04/30/2020 - No update during this reporting period. 04/30/2020 - No update during this reporting period. 04/30/2020 - No update during this reporting period.		
						Ogy 2012 - This finding replaces finding Number 5 which was in relation to the CMS MEET Life Cycle. CMS informed DHS that the BES project will require the		
						adoption of the CMS OBC process, the MEET process will no longer apply.		
could hinder project activities and negatively impact the	Finding - Risk 3/29/2020 Project Management	On 3/23/2020, the Governor of Hawaii issued a "stay at home, work from home" order that has reduced state departments' ability to be fully functional as the large	DHS stakeholder participation in key activities could be significantly hindered, not only by working remotely but also by the need to focus on delivering services to beneficiaries. Planned key artivities	Ramp up efforts to setup, train, and assist stakeholders on remote work devices and tools and ASAP 2 make every effort to help them to become highly functional with remote access technology (e.g.	2 Low Open	6/28/21 - The ASI continues to limit their office occupancy to 50% to comply with State mandates but has indicated that in-office team members continue to see	06/30/2020 - Office opening may be delayed until September/October. TBD.	4/23/21 RAP - The ASI team has logged a risk in this reporting period to track the risk of CD
project schedule and budget.		majority of state workers will be required to work from home/remotely at least until the end of May and some offices may be completely shut down until that time as	Uns statements plancipation in any activities could be significantly innoved, not only of working remotely but also by the need to focus on elleving services to beneficiaries. Planned way activities such as design sessions may be facilitated remotely which may impact the quality of the sessions. Going forward, most if not all project activities will more than likely be conducted remotely until this crisic passes. The DHS project team will soon loss some key members of the PMO, the PMO	MS Teams/Skype) Suggest the project and DHS create a detailed, documented risk mitigation strategy and plan that is reviewed regularly and revised to address the current state of the COVID-		State mandates but has indicated that in-office team methers continue to see increased productivity from in-person project collaboration. Some key DHS SME's will continue to work remotely which could pase a challenge to project		4/23/21 RAP - The ASI team has logged a risk in this reporting period to track the risk of CO implementation activities. In regard to the overall risk ratings, at this point, the Federal CC relief package and the vaccination effort is making the likilihood of impact to the project loc
						productivity. Earlier concerns with COVID impacts to their offshore (India) team because of the spike in new cases appear to be subsiding. IVV changed the		there is a significant change in the variants in the coming months. Additionally, the project
			could experience a significant loss of revenue due to COVID, which could lead to DHS budget challenges. If the state/DHS institutes a hiring freeze, DHS PMO may not be able to replace these	to include any new activities or updates to planned activities to aid the organization through this COVID-19 pandemic in the short and long term Send broad communications to stakeholders to assure dear understanding of changes to the project with this regard to impact of COVID as well as		criticality of this finding from medium to low and will continue to monitor. 5/27/21 - The ASI has allowed their team and select DHS team members to return to their office. DHS' acting PM has noted in-person interactions with the ASI have		worker immovely successfully to over a year now, we believe that the project has subpri- successfully to this challenge that should we need to continue to work (remotely that we with little overall risk to schedule 2/25/21 ray. The AS agrees with the overall risk rating we recommend that the VRV term update the recommendations to be more current. Be the recommendations, #1, the project has been working primarily remove for nearly a ye
						improved communications and productivity at the PM level. It remains unclear	1	we recommend that the IV&V team update the recommendations to be more current. Re the recommendations, #1, the project has been working primarily remove for nearly a ye
				BESSD SME's work on the project.		whether the off-shore ASI team will continue to be impacted by team members who may become unavailable due to COVID. 4/28/21 - The project continues to		not ideal, we are managing, stakeholders have managed through the process, we recom this be updated to completed, #2, the ASI agrees, there is an issue that tracks impact on
						who may become unavailable due to COVID. 4/28/21 - The project continues to adapt to virtual project activities and sessions. Though in-person sessions are likely more productive and can increase stakeholder participation and the		not ideal, we are manying, takeholders have maning private course, we recom- this be updated to completed, 22, the AGI agrees, there is an issue that tracks impact on project work, however, as we begin to look at implementation activities, a more detailed management plan for the Pitot and Statewide relia-out will be needed. We will add this risk upcoming months: 33, the GCM plan has been updated to aid the organization through p
						project's cadence, DHS has accepted this risk and continues to improve their virtual capabilities. The ASI stated their off-shore India SSP team has been directly impacted by the increased CDVID infection rates as 3.4 of their		upcoming months. #3, I ne UCM plan has been updated to aid the organization through the term and long-term, this recommendation should be Complete, #4, this has been accomo-
						developers have contracted CVUD. If these numbers grow the ASI may transfer developers have contracted CVUD. If these numbers grow the ASI may transfer some of the work to other teams. 3/31/21 - Az BESSD operational activities due to COVID subside, some BESSD SMEss are increasing their level of involvement on project tasks (e.g., UAT testing, Product Owners). Hawaii State leadership has		that the IV&V acknowledge the work done by the ASI and DHS regarding this recommends
						to COVID subside, some BESSD SMEs are increasing their level of involvement on project tasks (e.g., UAT testing, Product Owners). Hawaii State leadership has		term and using term, this recommendation should be Longiette, 44, this has been accome united of ways over the last year, where we will need to continue to monitor this, we recor- that the IVAV acknowledge the work done by the ASI and DHS regarding this recommends based on the assignment of atth to be product coveres in lanuary, we recommend that the recommendation be marked completed. 5/2020 - PAU Uber stated that DHS requested the ASI limit BESSD staff needs during the
								of May 2020 due to the focus of state staff to work with clients. Unknown if this will extent June/July. This is more of a risk for DHS; Unisys used to working off-site. State staff availab work on the project in the future may impact the schedule - ASI will need to look at option
						The ASI is making plans for mitigating risks regarding vitual/remote training and remote user support for teleworkers. 2/24/2021 - Despite significant operational activities due to COVID, BESSD SMEs continue to support project efforts. COVID		work on the project in the future may impact the schedule - ASI will need to look at option risk is realized.
						related furloughs could be implemented as early as July 2021 which may reduce SME capacity and hinder project activities. However, the ASI has begun		
DHS PMO project team members have transitioned off the Ryan	Finding - 1/10/2020 Project	As reported in various project meetings, several key DHS PMO. BES and ASI project	The key resources leaving the BES Project provide knowledge and history of DHS and its software.	5/31/2021 - DHS continue to work with the appropriate organizations to identify the funds ASAP 5	4 High Open	leveraging features of their new collaboration tools (e.g., Confluence) that appea 6/30/2021 - No material update in this reporting period. 5/31/2021 - No material	r 02/08/2021 - Brian Donohoe does not agree with IVV's high-criticality rating on this Finding (#43)	3/31/2020 - Per Paul Oliver, The project has also logged a risk for COVID-19, ASI main con 4/23/21 RAP - from the ASI perspective, the changes to the project management of the B
project, which may cause gaps in knowledge transfer and leadership on the project.	Issue Management	team members are planning to retire or leave the project within the next few months or have already transitioned off the project. While there are plans and actions being	solutions, and business processes, along with a level of consistency and continuity to the extended project team. This experience and knowledge is critical for the BES DDI and KOLEA Modifications,	2 Jazzar de la transmission familia deportante organización esta constructiva de la marxiera de la constructiva de provisiona de la constructiva de provisiona de la constructiva de		update in this reporting period. 4/30/2021- DHS reported the 'hiring freeze' has been lifted and are working to secure the budget for these positions. IVV will	and Def collect a during bottom and an operating of the second se	have provided little impact on the overall project. At this point, the knowledge transfer been closed and the leadership of the project remains strong hands from DHS. We recor
		taken, a formal transition/succession plan has not been documented. In January, the ASI did announce and introduce an interim Project Manager, but a plan for a	and planning efforts for BES Maintenance and Operations activities.	include the possible COVID-19 economic impact to the state budget, directly in relation to the project resources. The ASI should document a transition plan for each key resource as required by		continue to monitor. 3/31/2021 - No material update to this finding in this reporting period. 2/28/2021 -No material update to this finding in this reporting	on 02/8/2021). 06/30/2020 - Mark Choi is becoming more involved in the project. Involved in Arc decisions and PM decisions around tool sets, future vision, etc. Day to day PM working closely w/	 the IV&V reassess the probability of impact and severity of impact and lower the overall this risk.3/3/2020 - The ASI PM stated the Project Coordinator position is filled and they
		permanent replacement is not currently known.		the RFP (reference RFP section 3.5.1.2 'Benefits Eligibility Solution Project Staffing'.)				work on 3/9/2020, transition activities from Donna will begin next week. As PM also sta are currently filling the ASI PM and ASI Engagement Manager Roles and is committed to t
						performance request results during this reporting period to a accommodate different statu updates and criticality ratings. The BESDS Staff are now in finding BES. Or 1/31/2021. DBS assigned several BESDS Staff are now in finding BES. and the onboarding process. The DHS PMO positions remain in an open they are in the onboarding process. The DHS PMO positions remain in an open and the onboarding process. The DHS PMO positions remain in an open and the onboarding process. The DHS PMO positions remain in an open they are in the onboarding process. The DHS PMO positions remain in an open they are in the onboarding process. The DHS PMO positions remain in an open they are in the onboarding process. The DHS PMO positions remain in an open the open process. The positions remain in an open the open positions remain the positions remain in an open the open positions remain the positions remain in an open the open positions remain the positions remain in an open the open positions remain the positions remain in an open the open positions remain the positions remain in an open the open positions remain the positions remain in an open the open positions remain the positions remain in an open the open positions remain the positions remain in an open the open positions remain the positions remain in an open the open positions remain in an open the open positions remain the open positions remain in an open the open positions remain the open positions remain in an open the open positions remain the open positions remain the open positions remain in an open the open positions remain the open positions remain the open positions remain in an open the open positions remain the open positions remain the open positions remain in an open the open positions remain the open positions remain the open positions remain in an open the open positions remain the	1	in these roles for the next 6 months.
						they are in the onboarding process. The UHS PMU positions remain in an open status. Although many new staff were added to the project in January, IVV retains this as a high-priority until DHS has validated the project has the staff with		
						the required skill rate needed for the loss term. This may be challenging since		
						the project is using Aha and MS-Project to manage the schedule and Aha does not currently have DHS resource estimates included for the activities and tasks. 12/31/2020 - DHS identified 2 additional staff to begin assisting in the deliverable		
						review process in January 2021. Additional BESSD staff may be needed to		
						support the project in the near term for the range measures and the open DHS positions have not yet been approved/funded. 11/30/2020 - DHS has identified additional part time BESSD staff to work on the project in the Product Owner role		
						DHS is planning to establish roles and responsibilities for the new team members and continues to pursue additional staff to work on the project to minimize risk.		
						10/30/2020 - No material update to this finding during this reporting period. 9/30/2020 - The lack of DHS staff to work on the BES project is negatively		
						impacting the project. The last DHS PMO member retired at the end of this month. The initiation of the Pilot Deliverable review and approval process along		
						with all other project work is straining the DHS project team. It is critical that additional staff be made available to work on the project to include managing		
Due to the sequencing of JADs addressing Workflow at the mfors end instead of during current JAD sessions, the project could	Finding - 8/29/2019 System Design		Stopping (or putting on hold) design and process flow discussions during JAD's can result in an incomplete understanding of future processes. Uninformed design decisions could lead to	ASI assure a understanding of advanced workflow/task capabilities and provide training to the ASAP 2 BA's, developers, and session facilitators as well as key SMEs ASI augment the project team with	2 Low Open	6/28/21 - No material update for this reporting period. 5/27/21 - It is IVV understanding that software development efforts have slowed as they revisit		4/23/21 rap - The ASI asks that the IV&V rethink their approach to this risk. The last statu noted concern that workflow sesions had been deferred until now; however, those sessions had been deferred until now; however, the sessions had been deferred until now; however, the sessions had been deferred until now; how
be faced with significant design rework, which may result in schedule delays, and impact the quality of solution design.		2019. Workflow/task JAD's have yet to begin. Currently, when functional area design discussions involve a workflow/task. the discussion is tabled because the ASI has yet	incomposite under annumgen routine proteiner. Oriminoto tangen design in doubt water of the significant rework, confusion among SME's and the ASI project team, unproductive analysis discussions, and a poor design. Further, if DHS is asked to sign off on designs that lack clear workflow/task functionality, they could be signing off on a poor or incomplete design.	seasoned business analysts, with significant workflow expertise, to review workflow/task functionality and integrate into systems designs with input from DKS. ASI to develop a high-level and detailed view of workflow for the BS application. This will provide the project team with a		is applied to the second secon		have had to be redone post SOAP since the workflow vision was changed significantly as SOAP. The inclusion of the Current product as part of the project vision will make the wo much more similar to existing processes for the organization (in accordance with the ex- vision of SOAP which was to maintain existing workflows that have been developed and
			workflow/task functionality, they could be signing off on a poor or incomplete design.	and detailed view of workflow for the BES application. This will provide the project team with a visual view of the workflow processes and integration points with the workflow software.		may include workflows that were not fully vetted in the earlier design sessions. Details of this effort have not been made available to IVV. 4/28/21 - The ASI has		much more similar to existing processes for the organization (in accordance with the exp vision of SOAP which was to maintain existing workflows that have been developed and
		designs to include this functionality.						
						design efforts. However, it remains unclear whether important opportunities for optimal workflow designs have been missed which could, in the end, lead to system workflow functionality that is suboptimal or inefficient. 3/31/21 - No JAD		done early and then we tried to adapt those decisions into the current project.2/25/21 i believe that this risk as currently stated is a historical artifact on the IV&V report and shi be updated or removed. Regarding the recommendations, #1) the vendor that provides
						sessions were held in this reporting period. IVV remains concerned that designs could still be less than optimal given that early JAD sessions had deferred		management software has been reengaged in the project, the architects are outlining th level process for this; we do not believe that it will have a large change on code develop.
						workflow discussions until now. 2/24/2021 - Recent workflow JAD sessions appear to have improved the project's understanding of how workflows will be integrated into existing designs. Also, the ASI has begun leveraging features of		#2) DHS has assigned product owners for the task management integration. They will wo ASI team to define integration points and workflow support.
						productivity of some work sessions. Therefore, IVV has lowered this criticality rating to 'Low'. IVV remains concerned than designs could still be less that		5/5/2020 - Paul Oliver did not realize there was a follow-up activitiy. Addressing workflo JAD sessions was inconsistent. Need to determine (1) which JAD sessions already comple
						optimal given that early JAD sessions had deferred workflow discussions until now. 1/27/2021 - The project has initiated another round of JAD sessions during		did not include workflow (2) if workflow was covered in the JAD, will it change due to the Optimization Solution ? (3) if workflow was not covered in the JAD session, how will these
						optimal given that early JAO sessions had designs could also be accessions until now. 1/27/2021 - The project has initiated another round of JAO sessions during this reporting period. The recent 1/25/21 session titled, 'BER SAS JAO - Eligibility Determination, Redetermination, Review and General (Day 1)' to discuss the		Add analysis was includes workflow (2) if workflow was covered in the JAD, will it change due to the Optimization Solution (2) if workflow was not covered in the JAD, will it change due to the Optimization Solution (2) if workflow was not covered in the JAD session, how will these requirements be included in the solution? Further, per Paul the plan moving forward for CMM/FMM is to include workflow as it is developed
						Determination, Redetermination, Review and General (Day 1) to discuss the activity flows around Redetermination and SMRF. The project has recently released version 0.2 for textion.		requirements be included in the solution? Further, per Paul the plan moving forward for
						Determination, Redetermination, Review and General (Day 1) to discuss the		requirements be included in the solution? Further, per Paul the plan moving forward for

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Uncertainty and/or a lack of communication around long term mfors architecture decisions could impact the project budget.	Finding -	5/28/2019 Project	Some platform and BES system architecture decisions have yet to be made and The current project architecture and design should be as representative and inclusive of all know			ow Open	6/28/21 - The ASI reviewed the change order to implement 2 portals (BESSD and 06/		
architecture decisions could impact the project budget, schedule, system design, and planning decisions.	Issue	Management	socialized to the project. For example, the ASI and DHS have stated that they have future solution plans as possible. As an example, if KOLEA and BES are to move to a single instan-	and to the project. For example, the ASI and DHS have stated that they have future solution pairs as possible, As as example, if XDLEA and BES are to move to a single instance. Deliverable and if possible, review arefa content with DHS and IVV. DHS request ASI perform due diagreement that there project with move forwards with implementing for the bindgesting for that integration have been project as and the project with review forwards with implementing for the bindgesting for that integration have been project as the project with review forwards with implementing for the bindgesting for that integration have been project on the III difference in any recommodation for foundational architecture development and existing on the project on the III difference in any recommodation for foundational architecture development.			MQD) instead of a single consolidated portal. Some details of this change have per	pective, we are building in Liferay. Future Integration of the portals is still to be determined, s 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 refine the final plan for the two portal v
schedule, system design, and planning decisions.									
			instances (one for KOLEA, one for BES), but this is not currently reflected in the such significant future changes are not planned for now, the project is likely to see increased				The ASI indicated that the project is considering replacing the existing State hub wou with Boomi toolsets but details are not yet available 5/27/21 . Although the ASI	id require a CK.	project. The ASI refers the IV&V to our February update regarding Recommendation
			project change log or the project decision log. It remains unclear if the details of the complexity, rework, and costs when integrating the two systems in the future.	systems before finalizing architectural decisions The project should continue to					perspective all necessary actions are complete. If the IV&V does not believe it is Co
			rationale for this decision or the plan for integrating the two instances post go-live	communication between development leads and architecture leads to assure opt			has taken efforts to clarify how they intend to utilize the State Hub, some aspects		request supporting detail.
			have been thoroughly vetted and/or documented. Further, there may be some	collaboration on possible architecture changes that could impact decisions in each			have yet to be decided by DHS and the ASI. IV&V will continue to monitor		2/25/21 rap - The ASI recommends that this risk be lowered to low. At this point, the
			uncertainty around whether when/if all environments (including KOLEA and BES	should finalize the Portal strategy and communicate the strategy with the stakeho	holders and project		communications between the various stakeholders to assure decisions are made		unknown about the final system architecture. Regarding the recommendations, #
			production) will be moved to the cloud.	teams Establish processes to ensure regular communication between the archite			with a full understanding of the system architecture. 4/27/21 - Communication		complete, #2) This should complete in Februrary, #3) This is complete, there are m
				the rest of the project team to assess impacts of architecture decisions to the project	oject.		and/or agreement over how BES will utilize the State data hub in the short term		to vet architectural changes to project stakeholders, #4) This is complete, the ASI a
							as well as going forward is not clear. Repeated ESI questions during the ESI		pursued platform agnostic design whereever possible, there are multiple commun
							Weekly Platform Status Meeting remain outstanding. 3/31/2021 - The project		the project to discuss potential architectural changes, #4, This is complete, see #3.
							has made progress in clarifying their portal strategy. The BES portal will include a		
							combined BESSD/MQD application for users from either division. The MQD		
							KOLEA portal will include only the MQD application, and transfer users to the BES		07/10/2020 - The ASI provided DHS and IVV feedback on this finding via email. A s
							portal if they also need to apply for BESSD services. 2/24/2021 - The project		conference call with the ASI, BES PM and IVV team on 7/14/2020 was conducted to
							continues to clarify the DHS portal strategy. The project appears poised to select		comments
							a container security tool. Weekly ASI/DHS/ESI architecture and other		5/5/2020 - Paul Oliver stated the Architecture documents to include high-level and
							architecture and security-related meetings have served to communicate		detail are being incorporated into the BI-12 Architecture Deliverable.
							architecture decisions. Therefore, IVV reduced the criticality rating of this finding		
							from medium to low. IVV remains concerned with the complexity and number of		
							tools that are being utilized and if the governance structure is effective to manage		10/10/19 SB: The ASI is working on the KOLEA specific content of BI-12 and this has
							the architecture. 1/27/2021 - As the project continues to introduce new		DNC
							technology/tools to the solution environment, it remains unclear if sufficient		
							governance over the technology has been established and communicated to DHS.		
							In addition, it is difficult to determine whether the development team can ouickly		06/11/19 S Brown: The ASI requests clarity on what long term architectural decisio
							use the technology/tools to improve overall productivity. 12/30/2020 - No		referred to.
							use the technology/tools to improve overall productivity. 12/30/2020 - No material updates for this reporting period. 11/30/2020 - The weekly architecture		reterred to.
							material updates for this reporting period. 11/30/2020 - The weekly architecture		
Lack of clear understanding of the DDI approach may reduce mfors	Finding -	12/17/2018 Configuration an	nd Several DHS stakeholders have commented that the SI Design, Development, and Lack of stakeholder understanding and buy-in to the SI DDI approach and project activity objecti	ves PCG recommends one or more of the following to mitigate this risk. • ASI provide a	le an additional DDI 1/31/19 3 3 M	Aed Open	6/28/21 - The ASI is in the process drafting changes to their current development 1/7.	19: Note. During the 01-02-18 [sic] status meeting. DHS did not decline the offer and made	4/23/31 RAP - The ASI requests that the IV&V interview key project stakeholders re
effectiveness of all SDLC Processes.	Issue							estions. To my understanding, Unisys offered to present the orientation during each JAD	
			and have participated in some SI activities, they do not understand how it all fits decisions.	methodology, especially new product owners. • ASI make available their DDI appr			fully delivered vetted and communicated to the DHS orniert team. IVV will sees	on. It was suggested by DHS that the pre-JAD packet be placed in the SharePoint project site.	shared understanding of the SDLC among project stakeholders. Becommendation
			together and some activity objectives seem unclear. The SI conducted a DDI	documentation/materials for stakeholders to review and/or refresh their knowled				new participants in the JADs, a separate orientation before the JAD should be held for those	
			approach overview session during an initial JAR session, however not all stakeholders				and the ASI continue to make efforts to bring their new product owners up to new	participants.	#2 in the next reporting period. We think that the IV&V should update Recomme
			were present. IVV did not locate any DDI approach documentation or materials that				speed with both the methodology and expectations of their role. It remains		reference Confluence rather than SharePoint since it is now the project's knowler
			could be referenced by stakeholders who may have missed to the overview session.				unclear whether DHS product owners will be able to meet project expectations to		Additionally, if there are new concerns that are related, we recommend that the
			by new members of the team, or by other interested parties.				assure their product owner responsibilities are fully met. 4/28/2021 - The ASI and		distinct items rather than morphing this risk to address other related topics.
			by new members of the team, or by other memory per bes.				IVV agree that continuing to educate the DHS product owners in Agile and other		2/25/21 rap - The ASI made considerable progress on this risk in January and Feb
							software development processes can increase the quality of design sessions and		CMM/FMM team has moved to a similar collaboration approach with product or
							productivity of their role. 3/31/2021 - No update for this reporting period.		development that the SSP development team uses. Additionally the CMM/FMM
							2/24/2021 - The ASI has stated their intention to reconcile the differences in		migrated their work to the BES JIRA instance. Regarding the recommenations. #1)
							approach between their 2 software development teams (Unisys India and		to complete this recommendation in March as time allows, #2) the ASI has publis
							subcontractor) and increase DHS' understanding of the SDLC approach. While		process information on the project teams Confluence site which is available for re
							some key DHS SMEs appear to have a good understanding of the ASI		stakeholders, #3) This recommendation has been fully embraced by DHS and ASI
							methodology/approach others, including some of the new product owners, may		2020, we recommend that this be updated to Closed.
							not. Lack of an understanding of the project methodology/approach may reduce		
							SME effectiveness and ability to make informed decisions. 1/27/2021 - The ASI		
							has yet to clarify how they will reconcile their subcontractors differences in		10/10/19 SB: DHS has agreed to the updated BI 10 template which will be review
							approach and whether they will be able to provide DHS with accurate project		Iteration 3 artifacts. In addition, the ASI has produced a literal big picture and w
							progress information including accurate estimated task completion dates.		PMO through it. The whiteboard big picture is being produced for team consum
							12/30/2020 - The BES system is currently being developed by 2 development		
							groups, an offshore Unisys development team and a Hawaii based subcontractor.		
							However, there are some differences with the implementation methods between		09/12/19 S8: The BI 6 DDI Plan Deliverable has been accepted by DHS. The ASI is
							the 2 groups, which could create some confusion. For example, the Unisys group		addressing comments on the interations of BI 10 Functional Design deliverable p
							uses story points to size and track progress of development tasks and		to DHS to more clearly align with sections of the approved DED.
							development team cadence, yet the Subcontractor group does not use this		
							approach. 11/30/2020 - The ASI subcontractor has stated they have transferred		
	Finding -	11/28/2018 Project	Based upon the project schedule dated 11/26/18 (refer to schedule for specifics), Without a PMP that depicts all Project Management processes, the Project can suffer unplanned	5/31/2021 - When the revised schedule is published the project team should resta	start the weekly TBD 4 5 Hi	ligh Open	approach. 11/30/2020 - The ASI subcontractor has stated they have transferred 6/30/2021 - The ASI published a draft revised schedule on 6/17/2021. The ASI is		4/23/21 rap - The ASI acknowledges that in this period and previous periods that
	Finding - Issue	11/28/2018 Project Management	several due dates for project deliverables have been missed. As of the date of this consequences in scope, schedule, cost, and quality parameters. Without a schedule that provide	es practice of reporting actions being taken for late tasks and develop mitigation pla	ans for those tasks	ligh Open	approach. 11/30/2020 - The ASI subcontractor has stated they have transferred 6/30/2021 - The ASI published a draft revised schedule on 6/17/2021. The ASI is currently reviewing the comments and questions submitted by DHS and IVV. The		4/23/21 rap - The ASI acknowledges that in this period and previous periods that have been late; however, they have had little to no impact on the project critica
	Finding - Issue		several due dates for project deliverables have been missed. As of the date of this consequences in scope, schedule, cost, and quality parameters. Without a schedule that provide report, these deliverables include the Project Management Plan (PMP), which is the required level of detail to manage the work, the project is at risk to be successful.	25 practice of reporting actions being taken for late tasks and develop mitigation pla that may be late. 4/30/2021 - DHS and the ASI agree and publish the revised schere.	vans for those tasks hedule based on the	ligh Open	approach. 11/30/2020. The ASI subcontractor has stated they have transferred 6/30/2021 - The ASI published a draft revised schedule on 6/17/2021. The ASI is currently reviewing the comments and questions submitted by DHS and IVV. The project team is moving forward with the revised schedule understanding that		4/23/21 rap - The ASI acknowledges that in this period and previous periods that have been late; however, they have had little to no impact on the project critica month. The delay in the interview design sessions has impacted the overall proj
	Finding - Issue		several due dates for project deliverables have been missed. As of the date of this consequences in scope, schedule, cost, and quality parameters. Without a schedule that provide	es practice of reporting actions being taken for late tasks and develop mitigation pla	vans for those tasks hedule based on the	tigh Open	approach. 11/30/2020 - The ASI subcontractor has stated they have transferred 6/30/2021 - The ASI published a draft revised schedule on 6/17/2021. The ASI is currently reviewing the comments and questions submitted by DHS and IVV. The		4/23/21 rap - The ASI acknowledges that in this period and previous periods that have been late; however, they have had little to no impact on the project critical month. The delay in the interview design sessions has impacted the overall proje
	Finding - Issue		several due dates for project deliverables have been missed. As of the date of this: report, these deliverables include the Project Management Plan (PMP), which is the the required level of detail to manage the work, the project is at risk to be successful. formal documents but is used to manage the execution of the project. Is one	as practice of reporting actions being taken for late tasks and develop mitigation pla that may be late. 4/30/2021 - DHS and the ASI agree and publish the revised sche KOLEA ATC impact and CMM development delays. 9/30/2020 Recommendation -	Ilans for those tasks hedule based on the n - IVV recommends	iigh Open	approach. 11/30/2020 - The AS subcontractor has draid they have transferred 6/30/2021 - The AS publiched a draft revised schedule on 6/37/2021. The AS is currently reviseing the comments and questions submitted by DHS and VV. The project team is moving forward with the revised schedule understanding that further changes may be applied prior to DHS acceptance. 5/31/2021 - There are		4/23/21 rap - The ASI acknowledges that in this period and previous periods that have been late; however, they have had little to no impact on the project critical month. The delay in the interview design sessions has impacted the overall project Additionally, the ATC upgrade on the KDLEA project will have a significant impact
	Finding - Issue		several due dates for project deliverables have been missed. As of the date of this consequences in scope, schedule, cost, and quality parameters. Without a schedule that provide report, these deliverables include the Project Management Plan (PMP), which is the required level of detail to manage the work, the project is at risk to be successful.	25 practice of reporting actions being taken for late tasks and develop mitigation pla that may be late. 4/30/2021 - DHS and the ASI agree and publish the revised schere.	vlans for those tasks hedule based on the n - IVV recommends d be made to	tigh Open	approach. 11/30/2020. The ASI subcontractor has stated they have transferred 6/30/2021 - The ASI published a draft revised schedule on 6/17/2021. The ASI is currently reviewing the comments and questions submitted by DHS and IVV. The project team is moving forward with the revised schedule understanding that		4/23/21 rap - The ASI acknowledges that in this period and previous periods that have been back however, they have had tittle to on impact on the project critical month. The delay in the interview design sessions has impacted the overall proj Additionally, the ATC upgrade on the KOLEA project will have a significant impact schedule (not use to late deliverables). We recommend that the VBAV broaden
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