

OFFICE OF ENTERPRISE TECHNOLOGY SERVICES

P.O. BOX 119, HONOLULU, HAWAI'I 96810-0119 Ph: (808) 586-6000 | Fax: (808) 586-1922 FTS HAWAII GOV

March 29, 2019

The Honorable Ronald D. Kouchi,
President, and
Members of The Senate
Twenty-Ninth State Legislature
Hawaii State Capitol, Room 409
Honolulu, Hawaii 96813

The Honorable Scott K. Saiki,
Speaker, and
Members of The House of Representatives
Twenty-Ninth 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 (IV&V) reports to the Legislature within ten days of receiving it, please find attached the report the Office of Enterprise Technology Services (ETS) received for the State of Hawaii Department of Accounting and General Services (DAGS) and ETS' HawaiiPay Project.

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

Sincerely,

DOUGLAS MURDOCK Chief Information Officer State of Hawai'i

Attachment (2)



HawaiiPay Project Department of Accounting and General Services (DAGS)

IV&V Monthly Status Report - **Final**For Reporting Period: January 1 – 31, 2019

Draft submitted: February 25, 2019 Final submitted: March 18, 2019



Overview

- Executive Summary
- IV&V Findings and Recommendations
- IV&V Status
- Appendices
 - A IV&V Findings Log & Priority Ratings
 - B Standard IV&V Inputs
 - C IV&V Details



Executive Summary

Project efforts to ensure a successful Group 3 go-live and January 4 payroll run proved effective. However, the project incurred multiple W2 production processing issues related to previously documented complexity/capacity and testing risks. While the project team proved adept to recover from these issues to produce accurate W2 statements and meet federal deadlines, IV&V recommends the project address testing process/execution deficiencies. IV&V remains concerned with potential user provisioning (security) concerns and final turnover of the system to the state.

Nov	Dec	Jan	Category	IV&V Observations	
M	M	Communications forms. While other departments delivered the instructions, it appears DOE chose to provide		Project reported a minor error in W2 instructions that were sent to departments for distribution with W2 forms. While other departments delivered the instructions, it appears DOE chose to provide no W2 instructions. This appears to have created some confusion amongst their employees and subsequently increased HIP Service Center calls.	
L	Contract Management The HawaiiPay project team continues to make good progress with detailed requirements trace validation as well as engaging DAGS contracts office for guidance.		The HawaiiPay project team continues to make good progress with detailed requirements tracking and validation as well as engaging DAGS contracts office for guidance.		



Executive Summary (cont'd)

Nov	Dec	Jan	Category	IV&V Observations
M	(N)	L	Cost and Schedule Management	The Project and UH/DOE efforts to mitigate readiness risks and ensure a successful Group 3 go-live and January 4 payroll run proved effective. Other readiness risks continue to be realized as UH/DOE continue to work closely with the project team post go-live to resolve gaps in understanding of outbound interface requirements. IV&V remains concerned with potential challenges related outbound interfaces, system turnover, and payroll functional team challenges that could impact project cost and schedule.
L	M	L	Human Resources Management	Project help desk planning efforts proved effective to ensure user needs are being effectively and efficiently addressed despite increased call volume due questions related to dual UH pay statements, DOE lack W2 instructions, the new W2 format. The project team continues to prove adept at quickly resolving production challenges, meet project deadlines, and maintain good data accuracy, however, project capacity constraints may have contributed to W2 production challenges and reprints.
L		L	Knowledge Transfer	The project continues to make progress toward operational awareness and readiness for turnover, however, as Phase 1 contract closure draws near, IV&V remains concerned with possible gaps in system turnover knowledge transfer.
L	L	L	Operational Preparedness	IV&V noted that the project experienced a number of post go-live issues. These issues appear to be caused by routine operational processes. For most of these issues, the project has taken steps to prevent them from reoccurring. However, IV&V noted that some issues related to interfaces are outlined in other IV&V findings.



Executive Summary (cont'd)

Nov	Dec	Jan	Category	IV&V Observations
L	Organizational Change Management Organizational Change Management Over Group 3 OCM communication/activities. IV&V previously logged a finding that to decided to produce their own customized pay statements which could contradict be statements. This risk appears to have been realized as EUTF and the help desk have remultiple points of confusion with regard to the dual statements which IV&V has detailed		The project continues to be proactive with their OCM communications but still has little control over Group 3 OCM communication/activities. IV&V previously logged a finding that UH has decided to produce their own customized pay statements which could contradict HIP pay statements. This risk appears to have been realized as EUTF and the help desk have reported multiple points of confusion with regard to the dual statements which IV&V has detailed in the Findings Log. Ineffective execution of OCM by departments could lead to customer/employee frustration, excessive HIP help desk calls, and ultimately reflect negatively on the project.	
M	M	M	Project Management and Organization	The project team proved effective in managing various year-end production challenges to ensure a successful Group 3 go-live and deliver timely and accurate W2 statements. Still, year end processing complexity/capacity risks were realized as the project experienced some W2 production challenges.
M	M Quality Management		· ·	IV&V continues to note the lack of controls related to inter-departmental and other third party interfaces that could help to ensure that the data being submitted by departments is complete and on time. IV&V continues to recommend that the project work closely with the departments and third parties to implement processes that will help to ensure the interface data is complete and processed as planned.



Executive Summary (cont'd)

Nov	Dec	Jan	Category	IV&V Observations
L				The project has established a clear process for validating non-functional requirements and continues to make good progress towards detailed requirements validation.
Н			Risk Management	IV&V has not seen progress in this category. Though the project can assure that individual departments will not be able to access other departments data, IV&V remains concerned that adequate and appropriate controls, related to the segregation of duties, the protection of assets as well as the prevention of fraud, are not in place for the HawaiiPay solution. For example, IV&V remains concerned that DOE user permission requests seem excessive and not in keeping with segregation of duties and the principle of least privilege. The lack of formal security controls continues to leave the project powerless to deny requests for excessive permissions that could expose private data (PII) and increase the risk of fraud and identity theft. IV&V recommends that controls be implemented that are designed to prevent end users from completing systems transactions that are not in the best interest of the State.

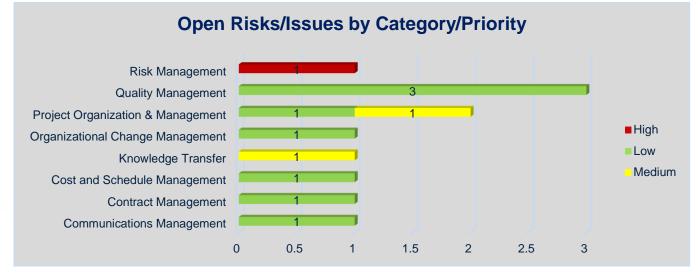


IV&V Findings and Recommendations

For this reporting period, PCG has identified a total of 11 open findings (5 issues, 6 risks). Of the open findings, 3 are related to Quality Management. The following graphs breakdown the risks by status, type, and category/priority.









Summary of IV&V Open Risks/Issues Criticality

Category		Finding Title	Criticality
Communications	Risk	27 - Communications to external entities may be ineffectual	Low
Contract	Risk	2 - Non-functional contract requirements not tracked	Low
Cost & Schedule	Issue	22 - Lack of departmental readiness could impact project budget/schedule	Low
Knowledge Transfer	Issue	23 - Lack of detailed turnover plan	Med
Risk Management	Risk	31 - Lack of adequate formal controls related to user access and segregation of duties	Hi
Project Organization &	Risk	30 - Strategy for data management not finalized	Low
Management	Issue	32 - End of year processing complexity	Med
Quality Management	Risk	19 - Inadequate interface development and testing coordination	Low
	Issue	25 - Insufficient data validation, checks and balances	Low
	Risk	26 - DHRD users' access to shared tables could result in corrupt payroll data	Low
Organizational Change Management	Risk	33 – UH dual pay statements can create confusion	Low



Communications Management



#	Key Findings	Criticality Rating
27	Risk - Communications to external entities may be ineffectual: While IV&V has observed good efforts by the project to provide reasonable levels of communications to external entities (departments, TPA, banks, etc.), some communication have been misinterpreted or mishandled and have not produced their intended result.	Low

Recommendations	Progress
 Enact overt and persistent efforts to address communications that have proven to be ineffective and with organizations that have known communication challenges. 	In progress
 Over-communicate important messages as well as messages that are likely to be missed. For example, multiple emails can be sent to reiterate important messages or restate them in increasingly simple or overt terms. 	In progress
 Reassess existing communications and provide further clarification to external entities to ensure clear understanding and provide guidance on future communications. 	In progress



Contracts Management



#	Key Findings	Criticality Rating
2	Risk - Non-functional contract requirements not tracked: When non-functional requirements are not proactively monitored as the project progresses, there is increased potential that contract performance gaps may be identified too late in the project's timeline resulting in schedule delays or unmet contract requirements. The Requirements Traceability Matrix (RTM) does not include non-functional requirements and the project does not regularly report on contract performance metrics.	Low

Recommendations	Progress
 Create a checklist of non-functional contract requirements to be satisfied in order to actively monitor and measure progress, and close-out the contract 	In progress
Escalate communications issues between DAGS Contracts office and HawaiiPay	Complete
 Project team assume responsibility for requirements validation and request DAGS contracts office play an advisory role in confirming contract requirements have been met 	Complete



Cost and Schedule Management



#	Key Findings	Criticality Rating
22	Risk - Lack of departmental readiness could impact project budget/schedule: Departments transitioning to the Hawaii Information Portal (HIP) as part of the HawaiiPay project are expected to perform readiness activities and meet specified milestone deadlines. If any department does not transition to HIP by their designated rollout date, the HawaiiPay project schedule and budget could be negatively impacted.	Low

R	ecommendations	Progress
•	Ensure readiness deadlines/milestones are clearly communicated to appropriate stakeholders on a regular basis.	In progress
•	Document missed readiness deadlines, communicate the possible consequences of missed deadlines clearly to department leaders in a timely manner to help ensure leadership is not surprised and has ample opportunity to respond and manage the risks.	In progress
•	Consider implementing a strategy of over-communication for departments that may have communication challenges.	In progress
•	Coordinate regular readiness discussions between HawaiiPay and departments that may have readiness challenges.	In progress



Knowledge Transfer



#	Key Findings	Criticality Rating
23	Issue - Lack of detailed turnover plan: The lack of a transition plan can lead to poor transition planning, important turnover activities can get missed, and can lead to stakeholder confusion since they are left ill-equipped to effectively maintain the system once the vendor has left the project.	Medium

Recommendations	Progress
 Request the SI utilize detailed checklists for turnover to ensure an effective turnover to the state and that nothing is overlooked. 	In progress
 The state immediately draft and take ownership of a turnover plan and request the SI review and offer guidance. 	In progress
 Assign turnover tasks to individuals and require task signoff by task owners once they validate tasks have been effectively completed. 	In progress
 Utilize readiness checkpoints and key performance indicators (KPI's) to monitor readiness effectiveness and report to project leadership. KPI's can be utilized to assure a timely and effective system turnover as well as provide project leadership an opportunity to shore up efforts when turnover efforts are not achieving expected results. 	In progress
Request the SI update relevant documents to ensure an effective turnover to the state for M&O.	In progress



Risk Management



#	Key Findings	Criticality Rating
31	Risk - Lack of adequate formal controls related to end user provisioning and segregation of duties: The project currently lacks sufficient project security policies to guide, among other things, departmental user permissions. Controls currently exist to ensure departments only have access to their employee's data and the project has made efforts to warn departments about the risks of granting excessive permissions to their users. However, since there is no enforced PoLP policy, the project is currently granting all departmental access requests.	High

Recommendations	Progress
 Create/implement a HIP administrative user agreement for administrative users who are responsible for determining permissions for departmental users. The agreement should assure that administrative users clearly understand their additional responsibilities, security best practices, guidelines, PoLP, segregation of duties, and risks involved with giving users excessive permissions. 	In progress
 Formally notify department leadership of requests that appear to be excessive and assure clear understands of the risks involved; request departments rollback permissions that seem excessive 	ing In progress
 Recommend implementation of controls designed to prevent end users from completing systems transaction that are not in the best interest of the State (see detailed recommendations for risk #31 in the Findings Log) 	ns In progress



Project Management & Organization



#	# Key Findings						
30	Risk - Strategy for data management not finalized: Without a finalized data management strategy, data policies and inter-agency agreements may not adequately address the needs of all entities with responsibilities for governing data which may result in ineffective data management and remediation processes.	Low					
32	Risk - End of year processing complexity: Payroll related end of year processing typically involves a significant number of activities to close out the year. Now that group 3 rollout has been moved to December, the project will be faced with performing unforeseen end of year processes that include combining legacy and HIP data to produce W2 and other reports. Project resources will be further constrained by the additional burden of a major Group 3 release that has already proven to be time consuming and problematic.	Medium					
Red	commendations	Progress					
• E	Early extensive detailed planning utilizing a consolidated schedule that includes CRT and state activities	In progress					
	Vork with appropriate DAGS governance processes to develop an over-arching strategy for data nanagement across the departments	In progress					



Quality Management



#	Key Findings	Criticality Rating
19	Risk - Inadequate interface development and testing coordination: The lack of a functioning process and signoff to coordinate both parties regarding the development and comprehensive end to end testing of interfaces may cause unnecessary risk. IV&V has observed many process improvements for coordinating and tracking interfaces in Group 2.	Low
25	Issue - Insufficient data validation, checks and balances: Data validation processes and procedures to ensure data accuracy are insufficient and have resulted in data errors during payroll processing.	Low
26	Risk - DHRD users' access to shared tables could result in corrupt payroll data: Inadequate controls to manage access to update payroll data by both DHRD and Payroll Division users could result in payroll data corruption.	Low

R					
•	Establish a communications plan and signoff procedure that ensure all parties clearly understand interface testing expectations and signoff that they have the capacity to complete the testing, document defects, re-test and signoff that the interface is fully functional.	In progress			
•	Establish enhanced validation processes to ensure interface updates are thoroughly validated prior to applying updates to production system data. Validations could include queries to validate all the business rules have been met, i.e. all key data is present, all required dependent data elements are present and contain valid values, etc.	In progress			
•	Explore methods to secure critical payroll data that DHRD does not need permissions to edit.	In progress			



Organizational Change Management



#	Key Findings	Criticality Rating
33	Issue – UH dual pay statements can create confusion: UH is producing their own customized pay statements which could contradict HIP pay statements and confuse users as well as introduce a legal risk to the state. Despite project and State Attorney General advisement, UH has decided to continue offering their employees the alternative pay statement that calculates earnings based on fiscal year instead of calendar year. HIP pay statements calculate total earnings based on calendar year. The project has requested review of data UH will use to produce their custom pay statements.	Low

Recommendations	Progress
 Explore providing targeted communications (only visible to UH users) on the ESS site and/or HIP pay statements. 	In progress
 Project team continue to pursuit open dialog with UH to not only discuss alternatives to customized pay statements but also UH directed employee OCM communications to assure understanding of the reason for differences. 	In progress



IV&V Status

The activities that PCG performed to inform the IV&V report for the current period are listed below. Upcoming activities are also included. For specifics, see Appendix B – IV&V Standard Inputs.

IV&V Project Milestones

Milestone / Deliverable Description	Baseline Due Date	Draft Submitted	Final Submitted	Approvals / Notes
IV&V Management Plan (IVVP)	4/6/18	3/18/18	3/29/18	Approved
IV&V Work Plan (Schedule)	4/6/18	3/18/18	3/29/18	Approved
Initial IV&V Assessment	5/9/18	5/18/18	6/8/18	Approved
June IV&V Monthly Status Report (MSR)	5/30/18	7/10/18	7/31/18	Approved
Deployment Audit Report – Grp 2	7/20/18	8/5/18	8/23/18	Approved
IV&V Management Plan (IVVP) Update (v. 3.0)	n/a	8/15/18	8/22/18	Approved
July IV&V Monthly Status Report (MSR)	8/10/18	8/17/18	9/4/18	Approved
End of Go Live Implementation Milestone Report – Grp 2	8/24/18	9/28/18	10/31/18	Approved
August IV&V Monthly Status Report (MSR)	10/5/18	9/7/18	9/10/18	Approved
September IV&V Monthly Status Report (MSR)	10/5/18	10/5/18	10/9/18	Approved
October IV&V Monthly Status Report (MSR)	11/7/18	11/7/18	11/19/18	Approved
November IV&V Monthly Status Report (MSR)	12/7/18	12/5/18	12/13/18	Approved
Deployment Audit Report – Grp 3	12/21/18	12/24/18	1/7/19	
IV&V Management Plan (IVVP) Update (v. 4.0)	2/12/19	2/12/19		
End of Go Live Implementation Milestone Report – Grp 3	1/18/19	1/18/19		
Final IV&V Monthly Status Report	TBD			
Lessons Learned & Final Recommendations Report	TBD			



IV&V Status (cont'd)

IV&V activities performed during the reporting period:

- Attended Monthly Payroll & TLM Modernization Project Executive meeting
- Attended PCAB meeting
- Attended Daily Scrums
- Attended RIO-D meeting
- Attended HawaiiPay State/CRT Project meeting
- Project Team Risk Review sessions
- October IV&V Monthly Status report deliverable and review
- Attended UH/HawaiiPay meetings
- Attended DOE/HawaiiPay meetings

IV&V next steps in the coming reporting period:

- IV&V Monthly Status Report
- Group 3 Go-Live Implementation Audit report



Appendix A – IV&V Criticality Ratings

This appendix provides the details of each finding and recommendation identified by IV&V. Project stakeholders are encouraged to review the findings and recommendations log details as needed.

See definitions of Criticality Ratings below:

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 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 – IV&V Standard Inputs

This appendix identifies the artifacts and activities that serve as the basis for the IV&V observations.

To keep abreast of status throughout the HawaiiPay project, IV&V regularly:

- Attends the following meetings
 - Daily Scrum
 - Weekly State/CRT (Joint) Project Meeting
 - Weekly Risks-Issues-Opportunities-Decisions (RIOD) Meeting
 - Bi-Weekly Project Change Advisory Board (PCAB)
 - Monthly Payroll & TLM Modernization Project Executive Meeting
- Reviews the following documentation
 - HawaiiPay Executive Committee Agendas
 - State/CRT (Joint) Meeting Notes
 - State Project Schedule (in Smartsheet)
 - Risks-Issues-Opportunities-Decisions (RIOD) Workbook
 - CherryRoad BAFO and Contract
- Utilizes Eclipse IV&V® Base Standards and Checklists





Appendix C – IV&V Details

- 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 IV&V 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.
 - 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.

Note: This report is a point-in-time document with findings accurate as of the last day in the reporting period.







ld Title / Summary	Finding Description	Analysis and Significance	Recommendation	Updates	Category	Туре	Priority	Status	Closure Reason	Closed Date	Risk Owner
Id Title / Summary 2 Non-functional contract requirements not tracked	Finding Description If CherryRoad's contract is not actively monitored and tracked, specifically for nonfunctional requirements, as the project progresses, contract performance gaps may be identified to alte in the project's timeline which could result in a schedule delay or unmet contract requirements.	Analysis and Significance The Requirements Traceability Matrix (RTM) does not include non-functional requirements and the project does not have a separate mechanism for tracking contract performance. The project processes 50 change orders and, therefore, relies on the Change Advisory Board (CAB) to monitor changes to functional requirements. It is unclear how and when nonfunctional requirements are being met.		Updates 1/31/19 - The PMO has established a clear process for validating non-functional requirements and continues to make good progress towards completing this task. 12/12/19 - The project has shifted responsibility for requirements tracking and validation from DAGS Contract division to the HawaiiPay team. Hence, IV&V is reducing this risk from Medium to Low. 11/28/18 - While a December Group 3 go-live seems to be progressing well, IV&V is still recommending contingency planning to manage any disruption to go-live that could necessitate a schedule and contract extension. IV&V is still unable to determine requirements tracking status as communication challenges between the project and the DAGS Contracts division continue. As contract closure draws near, the project may have challenges validating fulfillment of requirements before contract closure and the SI may have little time to respond to gaps in meeting requirements. However, IV&V has been unable to get status on requirements tracking project requirements. However, IV&V has been unable to get status on requirements tracking as there seems to be communication challenges between the project and the Contracts division. Contracts Division has been unresponsive to some project requests for information, some requests were made over 2 months ago. Recommend project escalate these requests to DAGS leadership. 9/26/18 - No progress. 8/31/18 - IV&V met with the DAGS Contract Lead in August and the project provided IV&V with a spreadsheet created by DAGS contract unit in May 2018 entitled "PR T18 compare to P03 final - incl RSR6R7" which demonstrates the state's efforts in tracking and validating contract requirements separate from the project's design, development, and implementation teams. However, this spreadsheet has not been updated since May 2018 and appears to only include reporting requirements. It is unclear if any of these reporting requirements are considered non-functional. IV&V	Category Contract Management	Risk	Low	Status Open	Closure Reason	Closed Date	Risk Owner Michael
19 Inadequate interfa development and testing coordination	regarding the development and comprehensive end to	It is unclear if each party responsible for the complete end to end testing of an interface has the capacity and capability to complete detailed testing. There does not appear to be any method for the project to get assurance that the testing is planned and executed as needed. To date, there seems to be a low volume of feedback from TPAs and approval of TPA readiness lacks rigorous evaluation from the project. For	that ensure all parties clearly understand the expectation related to interface testing and signoff that they have the capacity to complete the testing, document defects, re-test	is awaiting a response from DAGS contracts office. 8/9/18 - While initially the SI reported that non-functional requirement were being carefully tracked by the DAGS contracts office, IV&V has not been provided evidence that this is happening. IV&V is awaiting response from DAGS contracts office. 7/36/18 - CBT nrowided Attachment 8 - Basnonses to Technical Bequirements - Oracle Confidential file 1/31/18 - The project noted further improvements to outbound interface data from UH. However, this may not prevent processing failures or timing issues related to the delivery of interface data. Post golive Interface issues continue to be reported by UH/DOE.	Quality	Risk	Low	Open			Ken
		example, contacts for interfaces need to be confirmed as having the appropriate IT skills and availability to perform the required tasks in the project's timeline.	applying updates to production system data.	forward. However, all indications point to a successful inbound interface validation and testing, therefore, IV&V is lowering this risk to a Low. 11/30/28 - IV&V noted that an enhanced process to ensure all the interface processes were refined and the results tested by all appropriate parties, was implemented. This enhanced process helped to ensure that all parties involved were focused on the same key issues. 10/31/18 - A number of issues regarding key interfaces for group 3 remain open. The project noted that DOE has passed functional tests on some of the inbound interfaces, but further testing remains necessary for others. 9/30/18 - CRT has sought to increase the quality of interfaces through full volume in/outbound interface testing, improved interface mechanics, and created sandbox environment for testing.							
				departments don't have to wait for the next parallel to retest. 9/26/18 - Interface specifications, testing, validation, and defect resolution continues to improve. However, a limited number interface issues continue to crop up. For example, the FAMIS interface has proven to be especially problematic with recurring failures; recent failures stem from missing UAC codes. The project is working with CRT to manage these problems and resolve FAMIS interface issues. Other interfaces have been problematic due to their inherent complexity. For example, HHSC interfaces are run through multiple systems (HIP, ETS mainframe, and DOH) before they are finally consumed by HHSC. CRT has had difficulty mimicking mainframe processing that to produce output the mimic legacy data, but has made recent progress to resolve these issues. Still other interfaces, like EUTF, have proven problematic due to EUTFs limited ability to correct their SSNs due to limitations of their antiquated systems. Finally, the role of interface problem reporting, escalation of defects to CRT, and logging of defects to SanderClaud (Nebal dekt Lickation system) continues to performed Hausilian DAM which is not tunically.							

ld Title / Summary	Finding Description	Analysis and Significance	Recommendation	Updates	Category	Туре	Priority	Status	Closure Reason	Closed Date	Risk Owner
22 Lack of department	Departments transitioning to	Departments transitioning to HawaiiPay have each been	Ensure readiness deadlines/milestones are clearly	1/31/19 - Project reported DOE failed to pass on project provided W2 instructions to their employees creating	Cost and Schedule	Issue	Low	Open			Michael
readiness could	the Hawaii Information	assigned to one of three rollout groups and the project's	communicated to department leaders.	confusions and an increase in HIP Service Center calls. DOE has stated they made this decision due to an error in the	Management						
impact project	Portal (HIP) as part of the	budget and planned coordination activities allow for little to	Provide clear expectations regarding readiness activity	provided W2 guide/instructions, however, the error seemed minor and not impactful. Unclear why DOE would not correct guide and send out or provide their own guide to send to their employees to reduce confusion.							
budget/schedule	HawaiiPay project are	no flexibility in group rollout dates. The HawaiiPay project	deadlines and important milestones to each department.	correct galact and send out of provide their own galact to send to their employees to reduce company.							
	expected to perform	contract and budget is currently limited to the three rollout groups, departments who have not transitioned by the final	Document missed readiness deadlines, communicate the possible consequences of missed deadlines clearly to	12/31/18 - While the realization of this risk (mostly due to DOE/UH missteps) did impact the project and require a							
	specified milestone	rollout group will need to find alternative means for	department leaders in a timely manner to help ensure	significant level of project team effort (including late night and weekend work) to respond to missteps, the project							
	1.1	producing payroll outside of HIP.	leadership is not surprised and has ample opportunity to	team mitigation steps to avert delays to the revised Group 3 schedule proved successful. It appears the primary readiness risk is related to outbound interface validation/testing which is being tracked in Risk #19. IV&V is lowering							
		While details of the impact of any department not	respond and manage the risks.	this risk to a Low.							
	their designated rollout date,	transitioning to HawaiiPay in their planned group is unclear,	Consider implementing a strategy of over-communication								
	the HawaiiPay project	there will likely be a negative impact to DAGS and the	for departments that may have communication challenges.	11/28/18 - UH leadership remains concerned with previous parallel results that identified some inaccuracies.							
	schedule and budget could	HawaiiPay project schedule and budget.	Coordinate regular readiness discussions between	However, the project is making good progress towards quickly fixing bugs and documenting expected variation in							
	be negatively impacted.		HawaiiPay and departments that may have readiness	payroll numbers. Unclear if UH leadership fully understands false positives (known variances) which are not a reflection of system problems and this seems to have created a lack of confidence in the system accuracy.							
		Any department unable to transition to HIP would likely either request extended use of the existing DAGS mainframe	challenges.	reflection of system problems and this seems to have dediced a lack of confidence in the system decarder.							
		or seek non-DAGS payroll alternatives. If departments are		11/28/18 - UH has made the decision to implement Multi Factor Authentication (MFA) and will require their payroll							
		allowed to continue on the mainframe payroll system, the		users to enroll in MFA before they can access HIP. MFA implementations can be challenging, especially for non-							
		planned benefits of moving off this antiquated and		technical users. Combining rollout of MFA with their transition to HIP could increase UH readiness risks. The project has advised against UH combining MFA with HIP go-live.							
		problematic system may not be fully realized. DAGS would		project has advised against on combining MFA with HIP govive.							
		then be faced with having to plan for and acquire additional		10/31/18: The project has made good efforts to implement IVV recommendations, still, UH/DOE continues to have		1					1
		resources for maintaining two payroll systems (HIP and the		challenges with complying with project instructions. UH/DOE do not fall under the authority of the SOH Executive		1	1				1
		mainframe system). Departments that opt out of DAGS		branch and therefore cannot be compelled to follow project directives. The project remains concerned with UH lack							
		payroll services altogether would have little time to plan for,		of responsiveness to project communications and that UH pre-go-live employee payroll communications have yet to be broadly distributed. Unclear why UH system interface concerns have only recently been communicated to the							
		procure and implement their own payroll system. Further, DAGS, and/or the HawaiiPay project team, will likely have		project, leaving the project little time to assist with resolving their issues before go-live in December. While							
		limited time and resources to assist departments with any		DOE/DAGS communications have improved, DOE continues to make requests of the project that seem to distract							
		alternative as they will be in the midst of HawaiiPay group		from go-live activities; DAGS has now set clear boundaries with DOE on what the project can and cannot assist with							
		implementation. IV&V was informed that additional funding		given their constrained capacity due to go-live activities.							
		for the project will likely not be approved by the state		10/17/18 - UH and DOE not able to provide a functional pass for all integration testing. The project has made							
		legislature, therefore expansion of HawaiiPay contract scope		multiple attempts to clarify functional pass criteria for both UH and DOE. Contingency plan to mitigate the risk of							
		to accommodate departments that are unable to meet		lack of departmental outbound interface testing/validation is for the project to perfor+G23m their own detailed							
		readiness deadlines may not be possible.		logic review and to treat all post-go-live outbound interface problems as defects and troubleshoot as time permits.							
23 Lack of detailed	The lack of a detailed	Turnover plans typically describe the detailed activities	Request the SI utilize detailed checklists for turnover to	9/26/18 - Some UH single sign on (SSO) issues remain unresolved. The project has reported that UH continues to be 1/31/19 - CRT/State technical staff knowledge transfer continues, however, the risk knowledge	Knowledge Transfer	Iccuo	Medium	Open			Michael
turnover plan	turnover plan may lead to	involved in transitioning a new system to the new owners,	ensure an effective turnover to the state and that nothing	transfer gaps at contract closure remains.	Kilowieuge Halisiei	issue	Iviculuiii	Орен			iviiciiaei
	insufficient planning and	usually in the form of detailed checklists that assign	is overlooked.								
	execution of important	accountability to individuals responsible for ensuring	The state immediately draft and take ownership of a	12/31/18 - The project continues to make progress toward operational awareness and readiness for							
	turnover activities which	activities get done and are validated. Turnover plans are	turnover plan and request the SI review and offer	turnover. Efforts are being made by the state to identify tasks required for payroll and individual							
	could lead to stakeholder	typically utilized to ensure that important transition details	guidance.	assignment of payroll duties. Similar SI efforts are progressing for Phase 1 closure and Phase 2							
	confusion and cause a delay	are not overlooked and are effectively coordinated. Turnover		planning as well as focused turnover sessions with state technical resources.							
	in project closure or transitioning of system	plans can also be used an effective communication tool to stakeholders to ensure there is full understanding of turnover	signoff by task owners once they validate tasks have been	11/28/2018 - The project has created production checklists that should assist turnover to new							
	support responsibilities to	activities, roles, and responsibilities. Proper awareness of	Utilize readiness checkpoints and key performance	resources, but it remains unclear who production tasks will be turned over too. The project is							
	appropriate state staff.	turnover plans and activities provided early on to	indicators (KPI's) to monitor readiness effectiveness and	currently supplementing Payroll operations staff as needed due to recent staff departures. The project							
		stakeholders can go a long way toward managing stakeholder	report to project leadership. KPI's can be utilized to assure	has an informal plan in place to continue to support payroll operation shortfalls. The project also has							
		expectations and triggering important discussions, help	a timely and effective system turnover as well as provide	an informal turnover plan but has not assigned staffing to the defined roles. The Project does intend							
		manage expectations and support effective resource	project leadership an opportunity to shore up efforts when	to create a more comprehensive turnover plan.							
		planning.	turnover efforts are not achieving expected results.								
			Request the SI update relevant documents to ensure an	10/17/18 - Project will seek to revise the B05 (M&O support) deliverable to include technical							
		Commonly reported system turnover challenges include	effective turnover to the state for M&O.	requirements as well as create a document library with technical architecture documentation and plan							
		stakeholders being caught unaware of activities, roles, and responsibilities they were expected to perform. Typically,		for additional turnover training sessions. Architecture has been documented and knowledge transfer has begun. The project acknowledges that functional team and interface support need additional							
		turnover activities involve a multitude of activities carried out		knowledge transfer from the SI. Project currently has an end of year activity checklist as well as							
		by multiple groups and stakeholders. Coordination of these		production payroll checklist.							
		activities can be a significant challenge; ensuring turnover				1					1
		effectiveness can be even more challenging. Ensuring proper		9/30/18 - As the number of activities required for end-of-year and group 3 go-live activities mount,		1					1
		understanding by state personnel of each process the SI has		turnover activities are more likely to be put off, deprioritized, or ignored. Post implementation roles							
		been performing for the past several months/years requires		remain unclear, though, the technical track lead is in the process of planning some post-		1	1				1
		careful planning. Ensuring they are fully equipped to not only	1	implementation resource reallocation and roles and responsibilities, however, there are currently no		1	1				1
		maintain and enhance the system but are also fully able to		plans for documenting them. Further, it is still unclear if current key project resources will be available		1					1
		troubleshoot problems when critical system incidents occur		for M&O activities, including the Functional Track Lead that has played a pivotal role during system		1					1
		(e.g. when the system goes down) can be even more		implementation.							
		challenging without a detailed plan.		8/31/18 - The project seems to be realizing more and more that details of M&O activities still need to							
		The SI is typically responsible for producing a transition plan		be worked out. Recently, the project was faced with a production defect that could have been avoided		1	1				
		deliverable, however, this deliverable was not a contractual		had someone been assigned to monitor the batch file logs and if measures had been in place to ensure							

ld Title / Summary	Finding Description	Analysis and Significance	Recommendation	Updates	Category	Туре	Priority	Status	Closure Reason	Closed Date	Risk Owner
25 Insufficient data validation, checks and balances	Pinding Description Data validation processes and procedures to ensure data accuracy are insufficient and have resulted in data errors during payroll processing.	insufficient data validation processes and procedures resulted in system errors including inaccurate paychecks and	Revisit existing data validation processes and procedures (automated and otherwise) to identify which should be implemented/enhanced and prioritized based on criticality and impact to payroll processing and stakeholder confidence. Once identified, an implementation plan can be created and implemented based on available resources to mitigate this risk. Automated data validation support can not only increase	1/31/19 - This issue was again relalized during this reporting period. The W2 production process saw multiple instances of data validation/checks/balance deficiencies. DAGS Payroll operations group and project testers failed to identify W2 errors that required W2 reprints. The SI documented the following issues: Issue #1: Last character of Box 15 Employer's state ID number didn't print Root Cause: Online Configuration of W2 form had box set to length of 17 rather than 18 Action Taken: Updated online configuration to length of 18		Type Issue		Open Open	Closure Reason	Closed Date	Risk Owner Ken
26 DHRD users' access to shared tables could result in corrupt payroll data	Inadequate controls to manage access to update payroll data by both DHRD and Payroll Division users could result in payroll data corruption.	DHRD had access and the privileges to make a change which could have corrupted payroll data since there are no agreed upon controls for managing the shared payroll data. In this instance, the error was caught by Central Payroll before it could impact a production payroll run. Making uncontrolled changes to core payroll data can lead to inaccurate paychecks, loss of data integrity, and time wasted spent tracing the source of data corruption. The project has already reported an instance where DHRD users modified Job data tables which would have generated inaccurate or missing paychecks if the error had not been discovered before payroll processing. Further, it is unclear if efforts to train DHRD users to avoid data corruption have been effective or if DHRD had fully participated in HawaiiPay training efforts. The project is currently in the process of exploring options for controlling edits to key tables to prevent payroll data corruption.	recommend engaging DHRD leadership to come up with a plan to effectively train DHRD users to avoid corrupting payroll data. Additionally, explore methods to audit impactful DHRD edits and establish appropriate checks and balances to ensure corrupt data does not impact payroll. Provide documentation to DHRD users (or "cheat sheets" that provide clear guidance when editing sensitive tables that could impact payroll. Immediately establish a cross divisional governance working group to define and document process and data sharing governance (including rules, guidelines, executive decision making processes, and user guides). These could	12/31/18 - The state technical team is currently making efforts to plan for permission changes to address the DHRD access risk (as well as other permissions issues) post-implementation (post Group 3 go-live); SI is assisting with refinements to the security/permissions model. DHRD currently utilizes a significant number of customized roles that could pose a security and long-term M&O risk due to the difficulty in maintaining (and controlling access given by) multiple custom roles. The SI is working with the state to develop a permissions/security model that supports these efforts.	Quality Management	Risk	Low	Open			Michael

d Title / Summary	Finding Description	Analysis and Significance	Recommendation	Updates	Category	Туре	Priority	Status	Closure Reason	Closed Date	Risk Owne
27 Communications to external entities may be ineffectual		The project has experienced two different occasions of bank sending inaccurate communications to its state employee members. As part of Group 1 preparations, one credit union sent a letter to all their state employee members describing HawaiiPay changes, even though changes were only applicable to Group 1 employees. During Group 2 preparations, American Savings Bank (ASB) sent a similar errant letter to all of their state employee members when, in fact, only Group 2 employees would be impacted. The project has also noted instances where departmental leadership was unaware of their staff's activities and communications with HawaiiPay. This can create confusion and lead to poor leadership decisions that could negatively impact the project as well as distract HawaiiPay leadership as they manage misunderstandings. Failure to provide overt, persistent, and clear communications to key stakeholders can lead to confusion, frustration, and misunderstanding for external entities with inherent communication challenges and can inadvertently result in a loss of confidence in the project.	challenges. • Over communicate important messages as well as messages that are likely to be missed. For example, multiple emails can be sent to reiterate important messages or restate them in increasingly simple or overt terms. • Reassess existing communications and provide further clarification to TPA's to ensure clear understanding and provide guidance on future communications. • Provide template letters to TPA's that provide clear communications that TPA's can modify to meet their	1/31/19 - Project reported DOE failed to pass on project provided W2 instructions to their employees creating confusions and an increase in HIP Service Center calls. DOE has stated they made this decision due to an error in the provided W2 guide/instructions, however, the error seemed minor and not impactful. Unclear why DOE would not correct guide and send out or provide their own guide to send to their employees to reduce confusion. 12/31/18 - All indications point to a successful and timely Group 3 go-live where this risk was sufficiently mitigated by the project. In the end, project efforts to mitigate this risk seem successful as enrollment participation met expectations and did not pose a significant risk to the perception of project success. Help desk capacity was sufficient to manage the increased number of questions due to any external entity communication missteps. IV&V has downgraded this risk to a Low. 12/21/18 - Though the project seems to have made every reasonable attempt to bring understanding of new payroll processes to Group 3 stakeholders, some seem to (at times) struggle to fully understand them, despite repeated explanations. 11/28/18 - As go-live draws near, UH/DOE seem to have stepped up employee HawaiiPay communications. UH has instituted enrollment drives and their project-led train-the-trainer events have been well attended. UH has created a web site for employees with HawaiiPay instructions which has been reviewed and validated by the project for accuracy. Shane team (Leanne/Mark) to work on this 10/31/18 - Unclear if UH will be conducting enrollment drives as they have not been transparent with their OCM/employee go-live communications plans. As the December go-live draws near, the project may be unable to plan for the required level of support to assist UH in preparing for enrollment drives due to lack of UH feedback. UH failure to provide their employees with timely and accurate enrollment and go-live instructions could lead to confusion and increase enrollment errors at go-liv	Communications Management	Risk	Low	Open			Michael
30 Strategy for data management not finalized [lack of enterprise governance (Change Management Board)	needs of all entities with	The project has received feedback from other agencies, notably DHRD, regarding data permissions and processes tha need to be implemented or enforced which may or may not be in line with the project's vision or approach. The implementation of the enterprise payroll solution, HIP, warrants enterprise-wide policies and governance of the system, it's data, and it's outputs.	- Work with appropriate DAGS governance processes to develop an over-arching strategy for data management across the departments. - Work with impacted departments to codevelop and implement data management policies in support of the HawaiiPay solution.	1/31/19 - No change. 12/31/18 - DAGS leadership decision to implement an ECMB is currently on hold until DAGS leadership appointment is confirmed (both Comptroller and CIO). The ECMB proposal that was submitted by the project includes a draft administrative directive for a Data Governance Committee. 11/28/18 - Despite project leadership efforts to institute the ECMB, department leadership has indicated they may not be ready to participate at this time. 10/24/18 - ECMB plans have progressed. This committee is the first step towards change management governance as well as improving data governance. 9/26/18 - The project has initiated plans to create an Enterprise Change Management Board (ECMB) which is intended to shore up governance on many levels including data management. ECMB is awaiting comptroller approval. 8/31/18 - The project initiated a monthly meeting with Payroll and HR SMEs across departments to share information regarding system updates, identify lessons learned, establish best practices, and provide status on project's progress. This forum is likely to help identify data management requirements for inclusion in the project's strategy development efforts with DAGS governance.	Project Organization & Management	Risk	Low	Open			Michael

ld Title / Summary	Finding Description	Analysis and Significance	Recommendation	Updates	Category	Type Priorit	y Status	Closure Reason	Closed Date	Risk Owner
31 Lack of adequate	The project currently lacks	Without thorough state/departmental security policies and	- Create/implement a HIP administrative user agreement	1/31/19 - No change.	Risk Management	Risk High	Open			Michael
formal controls	sufficient project security	procedures, the project could lack sufficient guidance in	for department administrative users who are responsible							
related to end user provisioning and	policies to guide, among	creating project security policies/procedures.	for determining permissions for departmental users. The agreement should assure that administrative users clearly	12/31/18 - It appears DOE intends to revoke excessive permissions but it remains unclear how extensive these reduced permissions will be. IV&V continues to recommend an annual audit process						
	other things, departmental user permissions. While the	Without documented state/departmental/project PoLP policies, the project may not have sufficient authority to deny		and quarterly reviews to drive departments to compliance with best practices to reduce security risks.						
segregation of duties	HIP User Access Request	excessive departmental access requests. Departments users	practices, guidelines, PoLP, and risks involved with giving	ETS annually engages an external firm to perform a security audit, which could be leveraged to						
	form references a pdf that	could be given higher levels of access than they need, which	users excessive permissions.	motivate departments to shore up excessive permissions.						
	describes roles and based on		- Formally notify department leadership of requests that							
	user duties, the project	identity theft, fraud, unfavorable audit reviews, and	appear to be excessive and assure clear understanding of	11/28/18 - The Project intends to request DOE roll back any excessive permissions once Group 3 go-						
	seems to lack the authority to deny departmental	inadvertent corruption of data.	the risks involved; request departments rollback permissions that seem excessive	live is complete. The project making plans to develop fraud detection queries.						
	requests for excess		- Recommend implementation of controls designed to	10/31/18 - The project received state CISO confirmation that the state does not have a PoLP policy.						
	permission requests and		prevent end users from completing systems transactions	State CIO and CISO has drafted a memo to DOE to acknowledge understanding of segregation of duties						
	permissions that are not in		that are not in the best interest of the State. These control	and PoLP. However, the memo does not seem to make it clear that several DOE permission requests						
	keeping with segregation of		objectives should include:	seem excessive and seem to violate these principles. The project has made some progress in raising						
	duties. Typically, state		Controls that, where possible, prevent unauthorized	user awareness of security and privacy concerns by adding segregation of duties policy guidance to						
	and/or departmental security policies will offer guidance	y	access to system functionality that would violate standards and or policy related to adequate segregation of duties.	their security access request form and will consider adding similar language to the systems login/splash page. The project has also drafted an NDA that will require signature from all payroll						
	for project security policy		This would include a matrix that outlines HawaiiPay user	users. DAGS responsibilities regarding protection of assets or prevention of fraud remain unclear.						
	development that guide		roles that conflict with the control objective.	assess of prevention of made remain anotes.						
	system permissions, roles,		A mechanism or process to identify user provisioning	9/30/18 - DOE user permission requests seem excessive and not in keeping with segregation of duties						
	rules and governance. For		requests that include conflicting roles.	and the principle of least privilege. The projects lack of formal security controls has left the project						
	example, if		Definition of permissible variances to this control	powerless to deny requests that could expose private data (PII) and increase the risk of fraud and						
	state/departmental/system		objective, which outline not only the criteria required to	identity theft. Some DOE users may be given unnecessarily access to DOE employee SSN's and banking information.						
	policy supports the principle of least privilege (PoLP) and		allow a variance, but also a process or workflow to ensure the variance is known and approved by agency leadership.	Information.						
	segregation of duties, the		A secondary detective control that could identify,							
	project would have the basis		behaviors not in line with the expected activity for which							
	for denying requests for		the variance was originally granted i.e. reports listing							
	excess permission requests.		transactions that seem unusual, unnecessary or							
	Controls currently exist to		inappropriate.							
	ensure departments only have access to their									
32 End of year	Payroll related end of year	Combining data from legacy and HIP for end of year	- Introduce extensive resource allocation management into	1/31/19 - This risk seems to have been realized as the project experienced some W2 production	Project Organization	Issue Medium	Open			Michael
processing	processing typically involves	processing/reporting increases the complexity of year-end	project planning activities	problems. Though most of these problems are likely due to multiple instances of data	& Management					
complexity	a significant number of	processing. This untested process and other end-of-year	- Explore addition of contracted resources or reallocation	validation/checks/balance deficiencies, W2 errors may have been missed due to the strain of end of						
	activities to close out the	activities occurring in parallel with Group 3 rollout activities	of other DAGS divisional resources to support the project	year processing complexity and workload capacity concerns. DAGS Payroll operations group and						
	year. Now that group 3 rollout has been moved to	during the holiday season could lead to project resources becoming quickly overwhelmed, degrade the overall quality	team - Carefully track DAGS resource vacation plans and	project testers failed to identify W2 errors that required W2 reprints.						
		of these activities, and increase the risk of mistakes/errors.	assess/manage impacts to project activities	12/31/18 - The SI has created a separate environment for year-end processing and have run unit tests						
	faced with performing	Often, when new processes are introduced, staff will struggle		to validate configuration. The project currently has a cleanup exercise planned to validate year-end						
	unforeseen end of year	to understand the entire scope of the change, become	- Early extensive planning utilizing a consolidated schedule	balances and have already identified 200 employees with possible discrepancies. OCM efforts are						
	processes that include	confused over the timing of activities or who is responsible,	that includes CRT and state activities	underway which include employee and payroll user communications, a revised W2 mock up						
	combining legacy and HIP	and may overlook important training requirements.	- Automate relevant year-end activities that currently	(published to their web site), new W2 instructions that will be printed on the backside of the W2, and						
	data to produce W2 and other reports. Project	IV&V has already identified risks that could be exacerbated by this situation, including insufficient project resources,	require manual processing	other communications regarding the new W2 format. Comptroller is planning on sending memorandums to all departments to address changes to the W2 as well as the new W2 processes.						
	resources will be further	overreliance on key resources, and excessive number of		intentioral duties to all departments to address thanges to the wz as well as the new wz processes.						
	constrained by the additiona			11/28/18 - SI has made plans to address possible performance concerns due to the increased activity						
	burden of a major Group 3			from the start of enrollment (ESS). The project sent communications to request current payroll users						
	release that has already			execute high volume transactions on days other than go-live period. The project has got an early start						
	proven to be time consuming			on year end activities (e.g. year-end tax balances clean up). The SI has begun detailed planning year-						
	and problematic. Project wil implement a combined			end activities.						
	CRT/state project plan going			10/31/18 - While the project has accepted (and IV&V has subsequently closed) risk #28 (Lack of	1					
1 1	forward.			Sufficient Resources), IV&V will continue to monitor and address this risk as it pertains to this year-end						
				processing risk (#32). IV&V continues to monitor for project progress with regard to detailed plans for						
				year-end processing as well as additional automation of tasks that currently require manual	1					
				processing.						
				10/24/18 - Despite their constrained capacity, project mainframe programmers may need to take						
				vacation before end of year (because of use it or lose it vacation policy) which could impact project.						
				The project relies on these 2 programmers for critical year-end project tasks. The project is exploring						
				options that could allow them to take their vacation without losing it post-go-live.		1 1				
				10/24/18 - DAGS has prepared and will send a memo to departments this week that details and sets						
				expectations for end-of-year processing activities, in an effort to help mitigate this risk.						
					l					

ld Title / Summary	Finding Description	Analysis and Significance	Recommendation	Updates	Category	Туре	Priority	Status	Closure Reason	Closed Date	Risk Owner
33 UH intends to produce their own customized pay statements which could contradict HIP pay statements and confuse users as well as introduce a legal risk to the state.	Attorney General advisement, UH has decided to continue offering their employees an alternative pay statement that calculates earnings based on fiscal year	employees could use the UH generated pay statements to inflate their earnings.	to UH users) on the ESS site and/or HIP pay statements. • Project team continue to pursuit open dialog with UH to	frustration as they were unable to explain UH pay statements. Help desk reported confusion due to UH employees with more than one job receive multiple pay statements in HIP but only receive 1 in UH's system which also doesn't tie to their net pay. Further, UH pay statements will reflect incorrect net	Organizational Change Management	Issue	Low	Open			Michael
						\vdash					
						\blacksquare					
					1	\vdash					
						+					
						\vdash		 			

ld	Title / Summary	Finding Description	Analysis and Significance	Recommendation	Updates	Category	Туре	Priority	Status	Closure Reason	Closed Date	Risk Owner
												$\overline{}$
\Box												
\sqcup												
\vdash												
\vdash									_			
\vdash								-	-			
\vdash												+
\vdash							-		-			+
\vdash							1		-			+
\vdash							1		-			
\vdash							1	 	-			+
							1	+	 			+
\vdash							1	 	 			+
							1		 			+
							1		 			+
\vdash								 	 			+
									i			+
								1				+
												1
												1
									1			
												1