

FINAL

April 21, 2025

Cedric Hudson, Director Planning & Sustainability DeKalb County, GA 178 Sams Street Decatur, Georgia, 30030

RE: 3rd Follow-Up on the Status of Management Action Plans – Infor Public Sector (Hansen) IT General Controls Audit - Audit Report No. IA-2021-015-IT

Dear Mr. Hudson

As required by DeKalb County, Georgia – Code of Ordinances/Organizational Act Section10A- Independent Internal Audit (I), I have attached the Office of Independent Internal Audit's report on the status of management actions taken to address the findings contained in the referenced audit report. The conclusions in this follow-up report are limited to the implementation status and not the effectiveness of the completed action plans, which may be assessed in a future audit

Status of Audit Findings

Based on our review of management responses to the findings, the current status is outlined in the table below. Management is continuing to work on completing the corrective action plans.

Piaris	·			
Finding No.	Report Finding	Status of Management Action Plans as of March, 2024	Status of Management Action Plans as of August 21, 2024	Status of Management Action Plans as of April 21, 2025
1	The Application's Password Configuration Does Not Align with The County's Password Policy	Partially Complete	Closed	
2	Existence Of Dormant User Accounts on The Hansen Application	Open	Partially Complete	Closed
3	Unauthorized Hansen Access by New Users	Open	Closed	
4	Users And Roles' Privilege Assignment Need Review	Open	Partially Complete	Closed
5	Superuser User Roles' Assignment to User Accounts Needs Review	Open	Closed	
6	Hansen Audit Logs' Use Needs Optimization	Open	Open	Mgt Assume Risk
7	Hansen Incident Tickets Not Resolved Timely	Open	Open	Partially Complete
8	Contract Management Processes Need Improvement	Partially Complete	Partially Complete	Closed
9	The Hansen Application Patch Management Needs Improvement.	Partially Complete	Partially Complete	Partially Complete

Please contact me if you require additional information.

Sincerely,

Lavois Campbell, CIA, CISA, CFE, CGA - CPA

Lavois Campbell

Chief Audit Executive

cc. Lorraine Cochran-Johnson, Chief Executive Officer

Robert Patrick, Board of Commissioners District 1

Michelle Long Spears, Board of Commissioners District 2

Nicole Massiah, Board of Commissioners District 3

Chakira Johnson, Board of Commissioners District 4

Mereda Davis Johnson, Board of Commissioners District 5

Ted Terry, Board of Commissioners Super District 6

LaDena Bolton, Board of Commissioners Super District 7

Gloria G. Gray, Audit Oversight Committee

Adrienne T. McMillion, Vice -Chairperson, Audit Oversight Committee

Lisa Earls, Chairperson pro-tem, Audit Oversight Committee

Tanja Christine Boyd-Witherspoon, Chairperson, Audit Oversight Committee

Harold Smith, Audit Oversight Committee

Dr. G. Leah Davis, CEO's Chief of Staff

William Jones, CIO, Department of Innovation & Technology

Felecia Green, Deputy CIO, Department of Innovation & Technology



	Dekalb County Government						
	Office of Independent Internal Audit						
Da	Date: 04/21/2025 Prepared by: Tolu Ologbenla-Ella						
	Audit Findings Status Update Form						
		Status Date	Report # Report Title				
		4/21/25	IA-2021-015-IT Audit of ITGC for Hansen				
	C	Contact Person	Title	Phone No.	Email Address		
	(Cedric Hudson	Interim Director Planning & Sustainability	(404)906-8162	chudson@dekalbcountyga.gov		
		Activity	Accountability		Schedule		
			Responsible Area	Repeat Finding	Anticipated Completion Date/Date Adjustments will be made		
		Follow-up					
			Logical Access Management	N/A	08/31/24		
		Finding					
	No.	2		Finding Detail			
	Date	1/12/23	Existence Of Dormant User Accounts On 1	he Hansen Annlicati	on		
		Finding					
Recommendations		commendations	We recommend that Planning and Sustainability management work with the DoIT management to: 1. Establish a documented procedure for the determination and management of dormant accounts to ensure they are removed from the Hansen application in a timely manner (at least 90 days) to avoid account takeover by unauthorized users and exploitation of the County's information due to a data breach. 2. Review the dormant accounts identified by this audit and take immediate remedial action as necessary such as disabling the account.				
	Mana	gement's Response	Of the 516 records identified, 74 we deemed to really need immediate action because they had 1 or more CDR licenses. Of the 74 accounts identified, 28 were removed, and 10 were still active employees or still were linked to projects in IPS. All of the other accounts 36 accounts are with other departments outside of Planning that we are reaching out to verify access needs.				
	OIIA As	sessment - 12 Months	Management Status Update & OliA Comments				
х	Open		Planning and DeKalb IT drafted an updated User				
H		nent/Agency Assumes Risk Complete	processes to manage the request for access fron Additionally, the teams are working to draft a for				
\vdash		Pending Verification by OIIA	capture additional requirements for improvemen		the mequent additing or user accounts and		
	Closed	Tenang Vermeation by Onk	One of the challenges we are facing are resource constraints. We have been trying to hire a Systems Administrator in Planning for the last number of months unsuccessfully. TARGET: December 2023				
	OIIA As	ssessment -8/22/2024	Management Status Update & OIIA Comments				
Ш	Open		1. See attached file.	6.1			
		nent/Agency Assumes Risk	 DOIT is responsible for the county managment 31.24 	of the contact list, app	roved procedure should be place by Jan. 3 &		
Х		Complete Pending Verification by OIIA	4.This should be part of the contract's maintenar	ce agreement.	3 &		
\Box	Closed						
	OIIA As	sessment -04/ 07/2025	Management Status Update & OIIA Comments				
Ш	Open Management Response:						
	Managen	nent/Agency Assumes Risk	Provided previously - See email from Planning Ma OIIA Comments:	_			
Partially Complete			The Department of Planning and Sustainability su	<u>=</u>			
	Complete	Pending Verification by OIIA	accounts on the Hansen application. The spreadsheet included each user's name (first and last), user ID, and the date of last access. This information was reviewed by the OIIA to verify the remediation steps taken. Based on the review of the provided documentation, it was confirmed that all dormant user accounts identified				
х	during the audit have been disabled in line with the audit recommendation. Based on our assessment the finding's status is now Closed.						



	Dekalb County Government							
	Office of Independent Internal Audit							
Da	Date: 04/14/2025 Prepared by: Tolu Ologbenla-Ella							
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		Status Dato	Report #	ngs Status Upo		t Title		
		Status Date 4/14/25	Report # Report Title IA-2021-015-IT Audit of ITGC for Hansen					
		Contact Person	Titl	2	Phone No.	Email Address		
			Interim Director Plann	-				
		Cedric Hudson Activity	Account		(404)906-8162	chudson@dekalbcountyga.gov Schedule		
		risairiy			Dancat Finding	Anticipated Completion Date/Date		
		Follow-up	Responsib		Repeat Finding N/A	Adjustments will be made 8/31/24		
		Einding	Logical Access i	vialiageillellt	N/A	0/31/24		
	No.	Finding 4			Finding Detail			
	Date	1/12/23						
		Finding	Users And Roles' Privile	ege Assignment Need	l Review			
	Re	ecommendations	We recommend the Planning and Sustainability management work with the vendor and the DoIT to do the following: 1. Develop a procedure to periodically review and assign roles to help ensure user accounts roles are based on the employee's assigned job responsibilities. 2. Establish a formal user access matrix for guidance during user access grants and changes. 3. Review and remove the generic accounts that are no longer required.					
Management's Response			Planning IT has discussed this with DeKalb IT and they will be working together to come up with a matrix for the Hansen users and do a cross-check against existing internal users to maintain appropriate levels of access. We are developing policies and procedures to include Manager's approval. We looked at the provided list of 12 generic accounts and the following are system accounts: 1.ProjectDox 2.EMSV7					
	OIIA A	ssessment - 12 Months	Management Status Upd	ate & OliA Comments				
х	Open Manage	ment/Agency Assumes Risk	Planning has started to evaluate the permissions and roles of our existing users in the Hansen system and working with IT on best practices. We were able to remove the accounts that had licenses attached and those still remaining we removed their roles. Refer also to previous slide for update on the user access auditing process.					
	Partially	Complete	Rullet points 1 & 2 are com	onleted bullet point 2 (c	reate a formal user acc	ess matrix is still being developed)		
	Complet	e Pending Verification by OIIA	TARGET DUE DATE: Dece		eate a formar user acc	less matrix is still being developed /		
	Closed							
		Assessment -8/22/2024	Management Status Upd		for poriodic resistant	A ossignment of releasin the University		
\vdash	Open Manage	ment/Agency Assumes Risk			•	d assignment of roles in the Hansen system. e this by January 31st 2024.		
х	Partially	Complete	2. We are still working on	a user matrix with the IT	dept and anticipate h	aving that in place by February 2024.		
Ц	Complet	e Pending Verification by OIIA	3. Please refer to previous	finding which shows an	active licensed list of I	Hansen user accounts.		
	Closed							
	OIIA Assessment - 04/07/2025 Management Status Update & OIIA Comments							
Н	Open	ment/Agency Assumes Disk	Management Response:					
		ment/Agency Assumes Risk Complete	1. Email from Planning Manager dated 03/03/2025 on User Matrix. OliA Comments: The Department of Planning and Sustainability provided a formally approved User Access Matrix for the Hansen application. The matrix outlines role definitions and corresponding privileges to be used as a guide during user access provisioning and modification processes. The matrix was approved by the Director of Planning and Sustainability on 03/03/2025.					
	Complet	e Pending Verification by OIIA						
х	The approved matrix now serves as a formal reference for user access rights and changes within the Hansen application. Based on our assessment, the finding is Closed.							
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	Dekalb County Government						
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		4/14/25	IA-2021-015-IT		Audit of ITG	C for Hansen	
		Contact Person	Titl	е	Phone No.	Email Address	
		Cedric Hudson	Interim Director Planning & Sustainability		(404)906-8162	chudson@dekalbcountyga.gov	
		Activity	Account	ability		Schedule	
			Responsib	ole Area	Repeat Finding	Anticipated Completion Date/Date	
		Follow-up	Computer/IT Operations: Logs and		21/2	Adjustments will be made	
			Incide	ent	N/A	08/31/24	
	No.	Finding 6			Finding Detail		
	Date	1/12/23			Finding Detail		
		Finding	Hansen Audit Logs' Us	e Needs Optimization	1		
Recommendations			We recommend the Planning and Sustainability management work with the vendor and DoIT to: 1. Establish guidelines to generate the logs of activities performed using privileged accounts (e.g., superuser and Admin accounts) on the Hansen application. 2. Establish a procedure and measure to ensure the logs are protected from unauthorized modification and periodically reviewed for insights.				
Management's Response			This may be difficult to achieve based on the way the logs are currently configured on IPS, the current internal logging capabilities do not meet the Audit requirements currently. Planning IT along with DeKalb IT will work with the vendor to see if current capabilities can be expanded and if the functionality is built into the product. There may be a need to add funding to the project to accommodate if not already built in.				
	OIIA A	ssessment- 03/04/2024	Management Status Upd	ate & OliA Comments			
х	Open	ement/Agency Assumes Risk				est approach to optimize the audit logs. From defining these requirements. Unfortunately,	
H		Complete	the assigned Auditor left t	-		activiting these requirements. Officituatery,	
		te Pending Verification by OIIA	We anticipate resuming th	•			
	Closed		team. We can now resume those			of a critical SME from the internal auditor's new point of contact.	
		Assessment-8/22/2024	Management Status Upd				
х	Open	ement/Agency Assumes Risk	We have created a ticket with Infor, ticket 18052695 and awaiting their feedback on a timeline and also on procedures to protect the audit logs. Since DeKalb county is using a fully managed cloud implementation of Hansen,				
H		Complete	some of these controls w	-		managed cloud implementation of natisett,	
口	Comple	te Pending Verification by OIIA					
	Closed			- t- 0 OV: 2			
		Assessment- 04/14/2025	Management Status Upd	ate & OliA Comments			
V	Open	mont/Agongy Assumes Di-l	Management Response:	the rick on #1 based ==	the limitations of the	audit canabilites of t	
Х		ement/Agency Assumes Risk Complete	Planning Dept will assume he Infor system. We are o			-	
		te Pending Verification by OIIA	The Department of Planning has acknowledged the limitations of the current Infor system in addressing the audit				
finding and has elected to assume the associated risk. The Department noted that audit log capabilities are constrained within the current system and indicated that the audit logs are displayed as read-only, even for super users. Additionally, they stated that a new permitting system is currently under review and is expected to provide improved audit capabilities aligned with the audit recommendation. Given that no immediate corrective action has been taken within the current system, and remediation is continger on a future system implementation, the recommendation has not been implemented at this time. Accordingly, management/agency assumes the risk associated with this finding.				re displayed as read-only, even for super under review and is expected to provide rent system, and remediation is contingent			



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		Cedric Hudson	Interim Director Planning & Sustainability	(404)906-8162	chudson@dekalbcountyga.gov		
		Activity	Accountability		Schedule		
		E. H	Responsible Area	Repeat Finding	Anticipated Completion Date/Date Adjustments will be made		
		Follow-up	Computer/IT Operations: Logs and	N/A	08/31/24		
		Finding	Incident	14/1	Anticipated Completion Date is June 2025		
	No.	7		Finding Detail			
	Date	1/12/23					
		Finding	Hansen Incident Tickets Not Resolved Time	•			
	Recommendations		We recommend that the management of Planning and Sustainability: 1. Collaborate with the DoIT management to establish a documented incident management process to help ensure Hansen tickets are resolved/closed timely based on established timelines, priorities, and severity/impact analysis. 2. Review the unresolved tickets identified during this audit and ensure they are resolved and closed out as necessary.				
	Management's Response		The DOIT tickets and Infor tickets were identified, and the majority were deemed to be items that could be closed out. We are working with DeKalb IT to be proactive to these requests when they come in and address them as needed.				
V	OllA A:	ssessment - 11/9/2023	Management Status Update & OIIA Comments During the audit findings we went through tickets	that were onen via the	vendor nortal and also tickets opened for		
	Manager Partially	ment/Agency Assumes Risk Complete e Pending Verification by OIIA	Hansen via the DeKalb IT ticketing system, where there is a queue for Hansen requests. As part of Planning and DeKalb IT weekly meeting, we do a review of existing tickets in the queue and provide feedback regarding the open requests. We re-assign as needed.				
		ssessment -8/22/2024	Management Status Update & OliA Comments				
х	Open		1. DOIT is currently working on this and should be				
	Manager	ment/Agency Assumes Risk	Please see screenshot of current unresolved tickets in the Helpdesk system related to Hansen tickets.				
	Partially	Complete					
	Complet	e Pending Verification by OIIA					
	Closed						
	OIIA As	sessment - 04/14/2025	Management Status Update & OIIA Comments				
Ш	Open		Management Response: Awaiting answers from Audit on questions asked	hv IT on 3 2025			
		ment/Agency Assumes Risk	watering answers from Addit off questions disked	Sy 11 011 3.2023			
Х	Partially	Complete	OIIA Comments:	bandard de de et et			
Ш	Complet	mplete Pending Verification by OIIA The Department of Planning and Sustainability submitted a draft incident management process intended to ensure that Hansen tickets are resolved and closed in accordance with defined timelines, priorities, and severity levels.					
Closed However, the draft process is still pending formal approval by the Planning and Sustainability Director, and therefore commendation 1 has not been Fully Implemented. In March 2023 Infor Public migrated from an inhouse helpdesk system to Concierge(ServcieNow). Our review of the records in he new system did not reveal any pending issues in 2022 and 2023. OIIA is of the view that recommendation 2 is implemented.				ng and Sustainability Director, and therefore Concierge(ServcieNow). Our review of the			
			implementation that ensures tickets are consiste	tion is partially complete , pending formal approval of the incident management process and hat ensures tickets are consistently resolved within established timelines. eline for the implementation of this recommendation is June 30, 2025			



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		Cedric Hudson	Interim Director Planning	& Sustainability	(404)906-8162	chudson@dekalbcountyga.gov	
		Activity	Accountability		(10.1/300.0101	Schedule	
		Follow-up	Responsible Area		Repeat Finding	Anticipated Completion Date/Date Adjustments will be made	
			Contract Performance Management		N/A	08/31/24	
		Finding					
	No. Date	1/12/23			Finding Detail		
	Date	Finding	Contract Management Pro	esses Need Imp	rovement.		
		,	We recommend that the Pl	-		ent should work with the:	
	Recommendations		Purchasing and Contracting Department and Law Department to implement processes for effective management of the contract and ensure the contract addressed the gaps identified above. DoIT management to obtain and review the application performance availability reports for performance trend analysis and possible credit points. S.Vendor representative to ensure Planning and Sustainability obtains and reviews the periodic SOC2 Independent Auditor's reports in a timely manner.				
	Mana	agement's Response	Planning and Sustainability will	work with DeKalb I	T, Purchasing, and Law	to address the items identified in this audit	
		ssessment - 03/04/2024	Management Status Update 8		/DM 40 - de - e - de - e - de -	harman da illa Barrana di an	
H	Open Manage	ment/Agency Assumes Risk		-		have engaged with Procurement regarding The vendor has provided us location links to	
х		Complete	<u> </u>	uditors reports are	posted and DoIT has a	ccess to monitor those reports when	
Н		te Pending Verification by OIIA	published. We need to confirm with Purch	asing and Contract	s Denartment and the	Legal dept that their contracting process for	
H	Closed		the Hansen process is more eff	-	5 Department and the	regar dept that their contracting process for	
			DoIT will review current contract to confirm current credit points where applicable. TARGET DATE: December 2023				
			TARGET DATE: December 2023 Delays are contributed to competing priorities related the COOs initiatives, critical projects, and the need to complete				
			the IPS maintenance agreemen				
	OIIA A	Assessment-8/22/2024	Management Status Update 8				
Ш	Open		_			cember 2023, Purchasing and Contracts, act renewed before the December 2023	
	Manage	ment/Agency Assumes Risk	deadline with Board of Commis	-	able to get the collin	actions were perore the perember 2023	
x	Partially	Complete	2. We have asked the vendor f	or reports showing	application availability	<i>.</i> .	
		te Pending Verification by OIIA	3. Please see attached files.				
	Closed						
	OIIA	Assessment - Apr 2025	Management Status Update 8	OliA Comments			
	Open		Management Response:	- M- A - 0 1 00 =	- If		
П	Manage	ment/Agency Assumes Risk	Sent over on 3/3/2025 based on the Availability Report PS-Finding.pdf OIIA Assessment:				
\square	Partially	Complete		d Sustainability obt	ained and reviewed th	e application performance availability report	
\Box	Complete Pending Verification by OIIA for the period of June through December 2024. The report showed 100 percent availability.						
х	Closed		<u>.</u>		-	nted. Management has taken appropriate sses related to application performance	
						Paga	



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	Activity	Accountability			Schedule		
	Follow-up	Responsible Area		Repeat Finding	Anticipated Completion Date/Date Adjustments will be made 09/15/24		
		Application Change	e Management	N/A	Anticipated completion date is June 2025		
	Finding			Studio - Dozell			
	No. 9 Date 1/12/23			Finding Detail			
	Finding	The Hansen Application	Patch Management	t Needs Improveme	nt.		
	Recommendations	We recommend the Planning and Sustainability management work with the vendor and DolT to: 1. Remove invalid contact information identified by this audit from the current email distribution list for upgrade and patch information. 2. Establish a procedure for routine validation of the County contact list with the vendor. 3. Establish agreements and procedures with the vendor of the Hansen application for the timely notification of required system patches based on the severity of a potential vulnerability if the flaw is publicly known and can be exploited. 4. Develop benchmarks for the implementation of the patches within the County's time period of the release of the patches. The time period for updates should be based on factors that include the security category of the system, the criticality of the update (i.e., the severity of the vulnerability related to the discovered flaw), the County risk tolerance, or the prevalent threat environment.					
	Management's Response	Engaging Infor Support to develop a patch and release management plan. We created a ticket with Infor Concierge for this request, awaiting a point of contact.					
	OIIA Assessment - 03/04/2024	Management Status Upda	ite & OliA Comments				
	Open Side	_			environment to the 2023.07 release. We		
х	Management/Agency Assumes Risk Partially Complete	weeks.	nvironment and have a	scriedule to upgrade pr	roduction environment over the next 4		
	Complete Pending Verification by OIIA	**		, ,	atch updates yearly on the Hansen system.		
	Closed	TARGET: November 2023	·		n releases in a timely manner. ciated to the outstanding issues reported to		
	OIIA Assessment-8/22/2024	Management Status Upda					
Ц	Open				Manager, Jo Dancer is the only person we are currently working on a procedure		
	Management/Agency Assumes Risk	document to show this, wo	ork in progress. 3. We	recently implemented	a schedule with the vendor where monthly		
Х	Partially Complete				ne 2nd Friday of each month after hours		
Щ	Complete Pending Verification by OIIA	those patches would be applied to Production, one week earlier the patches are to be applied to the TEST and non- PROD environments. 4. We would apply the patches to TEST environment 1st and perform testing that week to make					
	Closed	sure no issues so we can move forward with the scheduled PROD patches.					
	OIIA Assessment- Apr 2025	Management Status Upda Management Response:	te & OliA Comments				
	Open	Dekalb IT responsible for this section states that documentation for this should be in our maintenance contract.					
	Management/Agency Assumes Risk	OIIA Assessment: The Department of Planning and Sustainability indicated that DeKalb IT is responsible for maintaining documentation					
X							
	Complete Pending Verification by OIIA	However, the Department did not submit the necessary documentation required to assess the implementation of audit recommendations 2, 3, and 4.					
	Closed	Due to the absence of these key documents the status of the corrective actions is considered partially complete . It is anticipated that the recommendation will be implemented by June 30, 2025.					