

Executive Branch Information Technology
Office of Information Technology Services
2800 SW Topeka Blvd., Building 100
Topeka, KS 66611



Phone: (785) 296-3463
Fax: (785) 296-1168
oits.info@ks.gov

Jeff Maxon, Interim Chief Information Technology Officer

Laura Kelly, Governor

February 27, 2023

Todd Herman, Director
Procurement and Contracts

Dear Mr. Herman:

The detailed project plan for the University of Kansas Medical Center Enterprise NAS 2022 Replacement Project is enclosed. Chris Harper is the primary contact for the project and can be reached at (913) 945-8543. This letter constitutes approval of the project pursuant to K.S.A. 75-7209.

Enterprise NAS 2022 Replacement Project is an infrastructure project and thus does not fit traditional project monitoring parameters. The project is required to provide quarterly project reporting transmittal pages for the duration of the project. However, we are exempting the project from all other quarterly report requirements contained in ITEC Policy 2500.

This project has a total project cost of \$2,500,875. The quarterly KITO fee for the project will be \$875 and will be billed from the start of Execution until receipt of the project's Post Implementation Evaluation Report (PIER).

Respectfully,

DocuSigned by:

75B1A637DD8540F...
Steve Selaya, Deputy CIO, Information Technology
The University of Kansas Medical Center

DocuSigned by:

670B8750658F441...
Jeff Maxon, Interim CITO
Executive Branch

cc: Kelly O'Brien, CITO, Judicial Branch
Alan Weis, CITO, Legislative Branch
Adam Proffitt, Director of the Budget
James Fisher, KLRD
JCIT Membership
Kelly Johnson, OPC
Brian Reiter, OITS
Chris Harper, KUMC
DeAnna Villarreal, KUMC
Megan Burton, KSHS
Cole Robison, OITS
Alex Wong, CITA
Sash Smith, OITS
Sara Spinks, KITO

The University of Kansas Medical Center

Department of Information Technology

February 15, 2023

Jeff Maxon, Interim Chief Information Technology Officer of Executive Branch
900 SW Jackson Street, Room 804-N
Landon State Office Building
Topeka, KS 66612

Dear Jeff Maxon,

This letter is a formal request for approval of our Detail Level Project Plan and to begin the Execution Phase of our IT Infrastructure project (Enterprise NAS 2022 Replacement Project) to replace our existing Networked Attached Storage (NAS) at the University of Kansas Medical Center.

We are planning to replace the existing NAS with a Nutanix system with twice the capacity, more seamless failover and failback functionality, and integrated security tools to provide encryption, auditing, and protection against cyber-attacks. The backup storage system will be placed in an offsite data center. The redundant storage will ensure access to critical data including research, education, and support data, in the case of an outage or catastrophic event in our main data center. The existing system is at 80% of its capacity and the hardware is end of life.

Enclosed you will find the detailed project plan checklist and supporting documents required for information technology projects.

The project is being funded through the KUMC APP State Appropriated Fee's funds.

We look forward to hearing from you soon.

Sincerely,



Steve Selaya
Deputy CIO, Information Technology
The University of Kansas Medical Center
3901 Rainbow Blvd.
Kansas City, Kansas 66160
913-588-4835
sselaya@kumc.edu

cc: Chris Harper, Chief Information Officer
DeAnna Villarreal, Director, EITA

3901 Rainbow Blvd, Mail Stop 3024, Kansas City, Kansas 66160

State Entity Checklist for Detailed IT Project Plan

State Entity: The University of Kansas Medical Center	Included (Y/N) If no, Explain
Project Name: Enterprise NAS 2022 Replacement Project	
Greater than \$250,000/ less than \$1,000,000 (Y/N): N (Infrastructure project to replace our Network Attached Storage)	
Greater than \$1,000,000 (Y/N): Y	
IT Project Plan Documents	
For forms and/or more detailed information on completion of plan, see https://ebit.ks.gov/kito/it-project-oversight/proposed-it-project-plans	
For ITEC Policy and/or more detailed information on approval of IT projects, see ITEC 2400 and 2400A. https://ebit.ks.gov/itec/resources/policies	
Cover Letter Requesting Project Approval	X
IT Project Request Explanation--DA518	X
IT Cost Benefit Statement--DA519	X
Work Breakdown Structure @ 8/80 hr duration/elapsed calendar time level	
Task Name (tasks should be descriptive)	X
Duration (total duration/elapsed calendar time)	X
Work (total person/hours of effort for all resources for the task)	X
Start	X
Finish	X
Dependencies (Predecessors)	X
Resource Names (assigned to the task)	X
Milestone	X
Work Product Identification (Form ITEC PM02-6)	X
Architectural Statement (ITEC Policy 4010 and 9500) https://ebit.ks.gov/itec/resources/policies	
Listing of products and standards that will be implemented to accomplish the project including a statement of compliance with ITEC Policy.	X
If different, attach CITA waiver	
Ownership of Software Code and Related Intellectual Property (ITEC Policy 1500) https://ebit.ks.gov/docs/default-source/itec/itec_policy_1500.pdf	
Statement of compliance	X
If different, attach CITO waiver	
Privacy Statement (Privacy Act 1974, Health Insurance Portability & Accountability Act 1996-HIPAA) https://www.justice.gov/opcl/overview-privacy-act-1974-2015-edition https://www.hhs.gov/hipaa/index.html	
1. What information is included	X
2. Why is it collected	X
3. How will it be used	X
4. Exclusion opportunities	X
5. 1974 Act implementation	X
6. Other privacy requirements	X
7. Total privacy cost estimate	X
Security Statement (ITEC Policies 7230, 9500, 7300) https://ebit.ks.gov/itec/resources/policies	
Statement of compliance regarding security measures, technologies used, compliance with policy & standards	X
If different, explain	
Accessibility Statement (ITEC Policy 1210) https://ebit.ks.gov/itec/resources/policies/policy-1210	
Confirm the project will comply with ITEC Policy 1210 requirements by attaching a completed Accessibility Conformance Report (ACR) produced using the Voluntary Product Accessibility Template® (VPAT®), version 2.0 or later, for the product(s) procured, provided as a service, or custom-built. If requirements are to be developed as part of project, indicate that VPAT requirements will be included. See VPAT at: https://www.itic.org/policy/accessibility/vpat.	X
If VPAT/ACR indicates compliance on all items, provide statement identifying task number(s) in WBS where verification of overall compliance will occur. For any VPAT/ACR item(s) where full compliance is not indicated, identify task number(s) in WBS where remediation of compliance issues will occur, and the task number(s) that will include verification of overall compliance. If product is not anticipated to be compliant upon initial implementation, please attach State ADA Coordinator exception. If accessibility standards do not apply, please provide explanation.	X
Attach approval letter from State Director of IT Accessibility.	X
Electronic Record Retention Statement https://www.kshs.org/p/electronic-records/11334 (K.S.A. 45-403 and K.S.A. 45-213 through 45-223)	
1. Identify replaced paper records	X
2. Identify new business functions	X
3. Reasons for business functions	X
4. Records requirements for business function	X
5. Documents in another system?	X
6. Public access requirements	X
7. Access control requirements	X
8. Identify all records with retention period of ten or more years	X
9. Estimate three year cost of addressing records identified in No. 8	X
Attach approval letter from State Archivist.	X
Risk Identification Summary (Form ITEC PM02-11a)	X
Risk Assessment Model (RAM) Summary - Detailed Plans	X
Fiscal Note, if appropriate	
Electronic copy submitted two - four weeks prior to contract award and/or project execution	

INFORMATION TECHNOLOGY PROJECT REQUEST EXPLANATION -- DA 518																				
1. Project Title:				2. Project Priority		3. Estimated Dates														
Enterprise NAS 2022 Replacement Project				High		Planning Start:		10/10/2022												
Agency:						Execution Start:		1/3/2023												
University of Kansas Medical Center						Close-Out End:		5/11/2023												
4. Project Description and Justification:				Date Submitted:		2/16/2023														
IT Infrastructure project (Enterprise Network Attached Storage 2022 Replacement Project). The current primary storage system is 7 years old, end of life, approaching capacity, and needs to be replaced. We are planning to replace the existing NAS with one with twice the capacity, more seamless failover and failback functionality, and integrated security tools to provide encryption, auditing, and protection against cyber-attacks. The backup storage system will be placed in an offsite data center. The redundant storage will ensure access to critical data including research, education, and support data, in the case of an outage or catastrophic event in our main data center. The existing system is at 80% of its capacity. Research consists of 75% of the used storage with the remaining being used for departmental shares and home drives. Plans include the placement of secondary storage at DR/Business continuity site for redundancy and backup purposes. The University's main storage system is an Isilon Network Attached Storage (NAS) system. It consists of multiple nodes that that are clustered together to provide performance and redundancy with a capacity of 1 petabyte. The clusters consist of multiple nodes that each have dozens of hard drives. The operating system and software in the combine the capacity of the hundreds of drives into a large pool of storage, which is then allocated to various shares and exports for users and systems. There are two such clusters, a production and disaster recovery (DR) cluster that are mirrored together. The current DR cluster is in the CRC with plans to move it to the Lawrence data center. •It is primarily used for shared folders (Research R:, Shared Folders S:, Protected P: ... drives) and home folders (G: Drive) and other miscellaneous drive mappings. It is also storage for various research, administrative, and support systems. •Having all the University storage located on one platform makes the storage system easier to administer and helps free up our limited staff for other tasks. •Data is protected on the NAS by means of hardware redundancy, data replication and data backups. Each node has redundant power supplies, fans and network connections. The blocks of data are replicated to multiple drives across multiple nodes. This allows the cluster to absorb the loss of a hard drive or even an entire node without the loss of data or access. •The data on the clusters is protected through means of replication from the production cluster to the DR cluster. Additionally, snapshots of the data are taken at scheduled intervals to create recovery points within the file systems. •If we were to suffer a catastrophic event such as the loss of the primary data center, we would redirect clients to the DR cluster. Since there is some manual intervention required, there could be a brief disruption during a failover. •If the NAS fails completely, hundreds of terabytes of data on the various shares would not be available until the system was brought back up. The education, research and administration at the university would be severely impacted in such an event.																				
Is this an Infrastructure Project? (Y/N)								Y												
Will Business Process Modeling be completed during the IT project and business design? (Y/N)								N												
Will national and/or industry data standards be used? (Y/N)								Y												
If yes, please specify.		We are consulting very closely with vendors to ensure adherence to standards.																		
List any collaboration that has taken place in the planning of the IT Project, and/or will take place during execution of the project. Include tools, methods, and best practices used for providing collaboration, user input, and continued social networking.																				
Server and Storage staff have worked with our state contract partners, in the planning of the appropriate enterprise storage infrastructure for our environment. During implementation our Server and Storage staff will work closely with representative faculty, staff, departments and administrators to assure that the replacement equipment is installed in a way that will be the least intrusive causing the least amount of interruption when migrating from the old system to the new enterprise storage system.																				
5. Estimated Project Cost																				
Category		Cost		KITO Rate Structure				Project Quarterly KITO Fee												
Internal Cost (Salaries)		\$0		<table><tr><th colspan="2">Project Value Range</th><th>Quarterly Rate</th></tr><tr><td>\$250,000</td><td>\$10,000,000</td><td>0.00350</td></tr><tr><td>\$10,000,001</td><td>Greater</td><td>0.00050</td></tr><tr><td colspan="2">Infrastructure Projects</td><td>0.00035</td></tr></table>				Project Value Range		Quarterly Rate	\$250,000	\$10,000,000	0.00350	\$10,000,001	Greater	0.00050	Infrastructure Projects		0.00035	\$875
Project Value Range		Quarterly Rate																		
\$250,000	\$10,000,000	0.00350																		
\$10,000,001	Greater	0.00050																		
Infrastructure Projects		0.00035																		
Contractual Services		\$0																		
Commodities		\$0																		
Capital Outlay		\$2,500,000																		
Sub-Total Project Costs		\$2,500,000																		
Total KITO Rate Fee		\$875																		
Total Project Costs		\$2,500,875																		
6. Project Subprojects (include name, start and end dates, and cost of each Subproject):																				
Subproject Name		Start Date		End Date		Internal Cost		External Cost	Total Cost											
Planning		10/10/2022		3/10/2023		\$0		\$0	\$0											
Execution																				
NAS Implementation		1/3/2023		5/2/2023		\$0		\$2,500,000	\$2,500,000											
Enter Subproject 2 Name if Applicable									\$0											
KITO Rate						\$0		\$875	\$875											
Enter Subproject 4 Name if Applicable									\$0											
Enter Subproject 5 Name if Applicable									\$0											
Execution Sub-Total		1/3/2023		5/2/2023		\$0		\$2,500,875	\$2,500,875											
Close-Out		5/3/2023		5/11/2023		\$0		\$0	\$0											
Grand Internal, External, and Total Costs						\$0		\$2,500,875	\$2,500,875											
7. Amount by Source of Financing:																				
State Fiscal Years	1. APP	2.	3.	4.	5.	6.	7.	Total												
SFY 2023	\$2,500,875							\$2,500,875												
SFY 2024	\$0							\$0												
SFY 2025	\$0							\$0												
SFY 2026	\$0							\$0												
SFY 2027								\$0												
SFY 2028								\$0												
Total Project Costs	\$2,500,875	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500,875												
Description of funds listed above																				
State General Use APP Funds - Controlled APP 0503 State Appropriation for Operating Exp. (#)																				

INFORMATION TECHNOLOGY PROJECT REQUEST EXPLANATION -- DA 519							
1. Project Title		2. Estimated Dates		Projected Months from			
Enterprise NAS 2022 Replacement Project		Planning Start:	10/10/2022	Execution to Close-Out			
		Execution Start:	1/3/2023	5			
		Close-Out End:	5/11/2023				
3. Agency		4. Project Director/Project Manager					
University of Kansas Medical Center		DeAnna Villarreal/Jeff Blomendahl					
5. Qualitative and Quantitative Savings Explanation							
We are facing "end-of-life" and "end-of-service" issues with much of our storage hardware as well as reaching capacity of the existing system. Given the amounts of research data we store, a failure of this equipment would be catastrophic.							
6. Qualitative and Quantitative Savings Estimate							
Description of Savings		SFY 2023	SFY 2024	SFY 2025	SFY 2026	SFY 2027	SFY 2028
Cost Avoidance (Soft Dollars)							
Ensure safety of important research data which might be lost if not properly stored			\$500,000	\$550,000	\$605,000	\$665,500	\$732,050
Inability to secure grants without proper resources			\$1,000,000	\$1,100,000	\$1,210,000	\$1,331,000	\$1,464,100
Subtotal		\$9,157,650	\$0	\$1,500,000	\$1,650,000	\$1,815,000	\$1,996,500
Subtotal		\$0	\$0	\$0	\$0	\$0	\$0
Other (Include Intangible Benefits)							
Subtotal		\$0	\$0	\$0	\$0	\$0	\$0
Quantitative Savings							
		\$9,157,650	\$0	\$1,500,000	\$1,650,000	\$1,815,000	\$1,996,500
7. Summary*			SFY 2023	SFY 2024	SFY 2025	SFY 2026	SFY 2027
Project Costs	Total	\$2,500,875	\$2,500,875	\$0	\$0	\$0	\$0
Net Cost Benefit	Total	\$6,656,775	-\$2,500,875	\$1,500,000	\$1,650,000	\$1,815,000	\$1,996,500
Cost Benefit per Month		\$1,831,530					
Calendar Months to Break Even		1					
8. Ongoing Cost			SFY 2023	SFY 2024	SFY 2025	SFY 2026	SFY 2027
Operational Cost for three ensuing SFYs				\$0	\$0	\$0	\$0

* Project Costs = Total Cost of Project over all Fiscal Years from all Funding Sources

Net Cost Benefit = Total Qualitative & Quantitative Savings minus Total Project Costs

Cost Benefit per Month = Total Qualitative & Quantitative Savings divided by Length of Project in months

Calendar Months to Break Even = Total Project Costs divided by Cost Benefit per Month

Revised 2/21

Project Management Plan: Work Product Identification***Project: KUMC – Enterprise NAS 2022 Replacement Project******Date: 2/14/2023***

<i>Deliverable Name</i>	<i>Due Date</i>	<i>Date Delivered</i>	<i>Point of Contact</i>
Hardware/software needs defined	10/21/22	10/21/22	DeAnna Villarreal
Hardware Acquired	2/24/23		DeAnna Villarreal
Hardware Installed and Tested	3/31/23		Jeff Blomendahl
System Configured Complete	4/11/23		Jeff Blomendahl
System Documented/Accepted	5/2/23		Jeff Blomendahl
Lessons Learned Document	5/5/23		DeAnna Villarreal
PEIR Report Completed	5/9/23		DeAnna Villarreal

WAN and Data Center Project

WBS Task No	WBS Task Description	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
WBS Enterprise NAS 2022 Replacement Project		213	404	10/10/2022	5/11/2023			
Planning Phase		151	140	10/10/2022	3/10/2023			
1	Define Hardware/Software Needs	11	40	10/10/2022	10/21/2022			
1.1	Review Existing infrastructure	3	20	10/10/2022	10/13/2022		Project Mgr, SSI	
1.2	Review desired enhanced for replacement system	7	20	10/14/2022	10/21/2022	1.1	Project Mgr, SSI	
1.3	<i>Hardware/software needs defined</i>	0	0	10/21/2022	10/21/2022			<i>Hardware/Software Defined</i>
2	High Level Project Plan	437	36	10/10/2022	12/21/2023			
2.1	Prepare High Level Project Plan	22	12	10/10/2022	11/1/2022	1.3	Project Mgr, Server & Storage (SSI)	
2.2	Submit Plan to CITO	0	8	11/3/2022	11/3/2022	2.1	Project Mgr, SSI	
2.3	CITO Review	45	8	11/4/2022	12/19/2022	2.2	CITO	
2.4	CITO Approval	0	8	12/21/2023	12/21/2023	2.3	CITO	
2.5	<i>CITO high level project plan completed</i>	0	0	12/21/2023	12/21/2023			<i>Approval of High Level Plan</i>
3	Design Phase	15	32	11/3/2022	11/18/2022			
3.1	Design Network Configuration	5	8	11/3/2022	11/8/2022	1.3	Project Mgr, SSI	
3.2	Planning File System Management	6	8	11/9/2022	11/15/2022	3.1	Project Mgr, SSI	
3.3	Planning Data Protection	2	8	11/16/2022	11/18/2022	3.2	Project Mgr, SSI	
3.4	Planning Alerting and Monitoring Setup	0	8	11/18/2022	11/18/2022	3.3	Project Mgr, SSI	
3.5	<i>Finish system design in preperation for ordering</i>	0	0	11/18/2022	11/18/2022			<i>Design Complete</i>
4	Detailed Project Plan	102	32	11/28/2022	3/10/2023			
4.1	Prepare Detail Level Project Plan	79	8	11/28/2022	2/15/2023	2.4	Project Mgr, SSI	
4.2	Submit Plan to CITO	0	8	2/16/2023	2/16/2023	4.1	Project Mgr, SSI	
4.3	CITO Review	20	8	2/17/2023	3/9/2023	4.2	CITO	
4.4	CITO Approval	0	8	3/10/2023	3/10/2023	4.3	CITO	
4.5	<i>CITO Detail level project plan completed</i>	0	0	3/10/2023	3/10/2023			<i>Approval of Detailed Plan</i>
Execution Phase		119	216	1/3/2023	5/2/2023			
5	Hardware/Software Acquisition	52	32	1/3/2023	2/24/2023			
5.1	New hardware pre-configuration	2	16	1/3/2023	1/5/2023	1.2	Project Mgr, SSI	
5.2	Purchase Nutanix hardware (contract purchase order)	25	8	1/30/2023	2/24/2023	5.1	Project Mgr, Admin	
5.3	<i>Acquire hardware</i>	0	8	2/24/2023	2/24/2023			<i>Hardware Acquired</i>
6	Hardware/Software Installation	32	48	2/27/2023	3/31/2023			
6.1	Rack hardware	10	40	2/27/2023	3/9/2023	5.2	SSI	
6.2	Test hardware initial functionality	21	8	3/10/2023	3/31/2023	6.1, 7.2	SSI	
6.3	<i>Hardware installed and tested</i>	0	0	3/31/2023	3/31/2023			<i>Hardware Installed and Tested</i>
7	System Configuration and Setup	64	96	2/6/2023	4/11/2023			
7.1	Complete pre-deployment worksheet	25	16	2/6/2023	3/3/2023	5.2	SSI	
7.2	Network connectivity in place in the Lawrence data center	25	16	3/6/2023	3/31/2023	7.1	KU IT/Networking, KanREN	
7.3	Install software and build out the clusters	4	32	4/3/2023	4/7/2023	7.2	SSI	
7.4	Test configurations	1	32	4/10/2023	4/11/2023	7.3	SSI, Choice Solutions	
7	<i>Configuration complete</i>	0	0	4/11/2023	4/11/2023			<i>Completed Configuration</i>
8	Documentation, Overview and Acceptance	20	40	4/12/2023	5/2/2023			
8.1	Receive Configuration documents from vendor	14	20	4/12/2023	4/26/2023	7.2	Choice Solutions	
8.2	Document Configuration and Procedures	5	20	4/27/2023	5/2/2023	8.1	SSI	
8.3	<i>Documentation, Overview and Acceptance complete</i>	0	0	5/2/2023	5/2/2023			<i>Documentation/Acceptance Completed</i>
Close-Out Phase		8	48	5/3/2023	5/11/2023			
9	Project Lessons Learned Session	2	16	5/3/2023	5/5/2023			

WAN and Data Center Project

WBS Task No	WBS Task Description	Duration	Work	Start	Finish	Predecessors	Resource Names	Milestone
9.1	Plan and prepare for lessons learned	1	8	5/3/2023	5/4/2023	8.3	Project Mgr, SSI	
9.2	Conduct Lessons Learned session	0	8	5/5/2023	5/5/2023	9.1	Project Mgr, SSI, Admin	
9.3	Lessons Learned Document Complete	0	0	5/5/2023	5/5/2023			Lessons learned Document
10	Prepare Post Implementation Evaluation Report (PIER)	1	16	5/8/2023	5/9/2023			
10.1	Draft PIER	0	8	5/8/2023	5/8/2023	9.3	Project Mgr, SSI	
10.2	Review and Finalize report	0	8	5/9/2023	5/9/2023	10.1	Project Mgr, SSI, Admin	
10.3	Submit PIER to KITO	0	0	5/9/2023	5/9/2023			PIER report
11	Celebrate Project Completion	1	16	5/10/2023	5/11/2023			
11.1	Plan and prepare for celebration	0	8	5/10/2023	5/10/2023	10.3	Project Mgr	
11.2	Celebrate	0	8	5/11/2023	5/11/2023	11.1	Project Mgr, SSI, Admin	
11.3	Close Out Phase Complete	0	0	5/11/2023	5/11/2023			Celebration at KC Joe's!

State Archivist
State Archives Division
6425 SW 6th Avenue
Topeka KS 66615-1099



785-272-8681, ext. 272
megan.burton@ks.gov
kshs.org

Matthew Chappell, Acting Executive Director

Laura Kelly, Governor

February 15, 2023

Jeremy Pennington, Chief Information Security Officer
The University of Kansas Medical Center
4330 Shawnee Mission Pkwy.
Fairway, KS 66205

Dear Mr. Pennington,

As part of the approval process for information technology projects over \$250,000, the State Archivist is required to evaluate the impact of information technology projects on government records with long-term (10+ year) retention requirements. If the project impacts long-term records, the State Archivist must ensure that appropriate provisions have been made for these records in the high-level and detailed project plans, in the system design, and for their ingestion, if prudent and feasible, into the Kansas Enterprise Electronic Preservation (KEEP) system. An Electronic Records Retention Statement and approval letter from the State Archivist must accompany high-level and detailed project plans submitted to the Executive Branch Chief Information Technology Officer.

In compliance with this process, DeAnna Villarreal, Director of Enterprise IT Architecture, recently sent to me for review an Electronic Records Retention Statement for the KUMC Enterprise Network Attached Storage (NAS) 2022 Replacement Project detail-level plan. It is clear that this is an infrastructure only plan and does not impact records.

The Electronic Records Retention Statement for the detail-level plan is approved. A copy of this approval letter should be included when submitting the project plan to the Executive Branch CITO for approval.

Sincerely,

Megan Burton
State Archivist

Cc: Cole Robison, Director of IT Accessibility, OITS
DeAnna Villarreal, Director of Enterprise IT Architecture, KUMC

Executive Branch Information Technology
Office of Information Technology Services
2800 SW Topeka Blvd., Building 100
Topeka, KS 66611



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Jeff Maxon, Interim Chief Information Technology Officer

Laura Kelly, Governor

February 27, 2023

Steve Selaya, Deputy CIO, Information Technology
The University of Kansas Medical Center
3901 Rainbow Blvd.
Kansas City, KS 66160

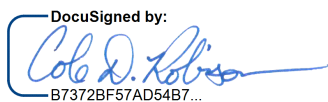
Dear Mr. Selaya:

As part of the approval process for information technology projects over \$250,000, a statement indicating compliance with State Information Technology Executive Council (ITEC) Policy 1210 *Information and Communication Technology Accessibility Standards* must be filed with the Branch Chief Information Technology Officer and approved by the Director of Information Technology (IT) Accessibility. I recently received from DeAnna Villarreal an Accessibility Statement for the Enterprise NAS 2022 Replacement Project for review in compliance with this process.

This statement indicates that the equipment will be located in maintenance spaces and only accessed by service personnel, such that it meets the general exception of Section 7.3.4 of ITEC Policy 1210. As such, no further exception is required pertaining to ITEC Policy 1210. It should be noted that this exception does not relieve the University of Kansas Medical Center of any obligations or requirements mandated by any other applicable regulation, law, or statute, including, but not limited to, the Americans with Disabilities Act and the Kansas Act Against Discrimination.

The Accessibility Statement for the Enterprise NAS 2022 Replacement Project detailed plan is approved. A copy of this letter should be included with the submittal of the Enterprise NAS 2022 Replacement Project detailed plan for Branch CITO approval.

Sincerely,

DocuSigned by:

B7372BF57AD54B7...

Cole D. Robison
Director of IT Accessibility

cc: Anthony Fadale, State Americans with Disabilities Act Coordinator
Chris Harper, The University of Kansas Medical Center
Sara Spinks, Director, Kansas Information Technology Office
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February 14, 2023

RE: Network Attached Storage (NAS) 2022 Replacement Project - IT Infrastructure project for the Kansas University Medical Center (KUMC)

The scope of the NAS 2022 Replacement Project is to replace the existing NAS with one with twice the capacity, more seamless failover and failback functionality, and integrated security tools to provide encryption, auditing, and protection against cyber-attacks. The backup storage system will be placed in an offsite data center. The redundant storage will ensure access to critical data including research, education, and support data, in the case of an outage or catastrophic event in our main data center. The current NAS is at 80% capacity and at end of life.

Architectural Statement

KUMC complies with ITEC Policy 4010 and 9500 found at <https://ebit.ks.gov/itec/resources/policies/itec-policy-4010> and <https://ebit.ks.gov/itec/resources/policies/itec-policy-9500>

The NAS 2022 Replacement Project is in compliance with the Kansas Information Technology Architecture version 12.0. Storage hardware/software is being procured from established State of Kansas contracts and meets the State of Kansas Architecture standards.

Ownership of Software Code and Related Intellectual Property Statement

KUMC complies with ITEC Policy 1500 as found at https://ebit.ks.gov/docs/default-source/itec/itec_policy_1500.pdf?sfvrsn=3d7ae02b_2.

The NAS 2022 Replacement project is a server and storage infrastructure project and any software is propriety to the Nutanix hardware.

Privacy Statement (Privacy Act 1974, Health Insurance Portability & Accountability Act 1996-HIPAA)

The NAS 2022 Replacement project is an infrastructure project to provide data storage and data falling under the Privacy Act is not captured/retained.

1. What information is collected that identifies individuals, organizations, or computers?

Meta data is being collected, information on who and what computer stores the data on the NAS. Information regarding the data content is not collected.

2. Why is the information collected?

Meta data is for tracking and security purposes at the file level only, not the file contents.

3. How will the information be used?

Meta data will be used only for remediation of security breaches or recovery of lost data or for monitoring usage of the NAS.

4. Opportunities for individuals or organizations to have all or part of their attributes excluded from the database?

N/A

5. How the privacy provision included in this project help implement the 1974 Privacy Act as interpreted for information technology by the General Accounting Office.

N/A

6. If your state entity is subject to other requirements, such as HIPAA, what are the items you are required to comply with?

N/A

7. Estimate of total cost of addressing privacy issues in the project?

N/A

Security Statement (ITEC Policies 7230, 9500, 7300)

The KUMC – NAS 2022 Replacement project is an infrastructure project that complies with the following ITEC Policies:

7230 [Enterprise Security Policy](#) - KUMC will comply with ITEC Security Policy 7230.

7300 [Security Council Charter](#) - KUMC is an explicit member of this council.

9500 [Wireless LANs Policy](#) – KUMC NAS 2022 Replacement project is in compliance with the ITEC Security Policy 9500.

Accessibility Statement

Per ITEC 1210 7.3.4 this equipment is in maintenance spaces and only accessed by service personnel.

Electronic Record Retention Statement

This is a server and storage infrastructure project and there are no records being retained or replaced.

Risk Assessment Analysis (RAM)

See attached

Risk Identification Summary (Top Five Risks)

A description of project risks, the probability of the risk occurring, the impact of the risk on the project, and the suggested mitigation activities.

Last Risk Assessment Date: 11/2/2022

Prepared by: DeAnna Villarreal

<i>Category</i>	<i>Prob</i>	<i>Imp</i>	<i>Risk</i>	<i>Mitigation Approaches</i>
Resources	Low	Low	Limited staff availability may prevent installations from being completed in a timely fashion.	Shift the schedule to accommodate staff schedules.
Financial	Low	Medium	Research initiatives, loss of ability to write new grants and incoming revenues could be affected.	Limit the length of time to complete the cutover from the existing system to the new system.
Time	Low	Medium	Shifting priorities of staff due to other projects that must be completed.	Project staff are included in strategic planning to ensure project completion.
Time	Low	Medium	Overly optimistic deadlines for completion/implementation.	Built in additional duration to account for shifting deadlines.
Operational	Low	High	System does not function as expected.	Test the system to ensure working as planned before putting into production. Do a pilot rollout to ensure system is functioning as designed. Fall back to existing system while resolving the issues.

Legend

Prob = Probability of Occurrence

Imp = Impact

RISK ASSESSMENT MODEL
Detailed Plan - Summary Report
Ver. 1.0

Agency Name: The University of Kansas Medical Center

Project Name: Enterprise NAS 2022 Replacment Project

1. Introduction

The Risk Assessment Model measures risk in distinct areas. Below are the average scores based on the results from the questionnaire. Each area indicates the measured risk on a scale from 1 to 9, with 9 being the highest risk. Scores lower than 2.0 are considered "Low Risk", scores higher than 2.0 are "Medium Risk" and scores higher than 3.0 are considered "High Risk".

2. Summary

Score	Risk Level	Risk Area
1.6	LOW	Strategic Risk
1.0	LOW	Financial Risk
1.6	LOW	Project Management Risk
1.1	LOW	Technology Risk
2.0	MEDIUM	Change Management / Operational Risk

Note: If you get "#VALUE!" as a result in any of the "Score" or "Risk Level" fields, you have unanswered questions. Go back and check your answers.

3. Signature

I have reviewed the results of the Risk Assessment Model. The results are indicators only and do not represent all the risks of the project. ITEC will use the results as the basis of discussion, and will not rely solely on the output.

DeAnna Villarreal

Project Director

RISK ASSESSMENT - Summary Report
Detailed Plan - List of Comments
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