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Memo

#### FOR OFFICIAL USE ONLY

#### SENSITIVE INFORMATION

Date: March 31, 2023

To: Ron Cortez, Under Secretary for Administration

Deron Burba, Chief Information Officer

Cc: Carmen lannacone, Chief Technology Officer, Office of the Chief Information Officer Juliette Sheppard, Director of Information Technology Security, Office of the Chief

Information Officer

From: Cathy L. Helm, Inspector General

Subject:	Information Security: Enhancements Needed to Improve	
		(OIG-A-23-05)

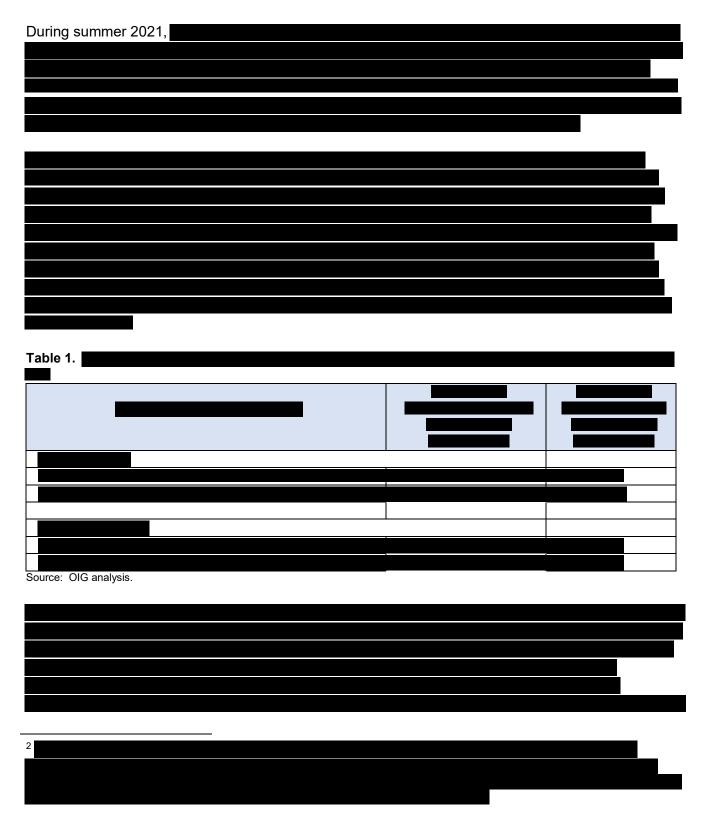
Information technology security is a top risk for organizations. The Smithsonian depends on IT systems to carry out its programs and operations and to process essential data. But the risks to these systems are increasing, including insider threats from witting or unwitting employees, escalating and emerging threats from around the globe, and the emergence of new and more destructive attacks. Rapid developments in new technologies—such as artificial intelligence, the Internet of Things, and ubiquitous Internet and cellular connectivity—can also introduce security issues. Additionally,

Additionally,	,	,
Attachment I.	For additional b	ackground information, see
OIG conducted this audit to assess the effective		ian's information technology (IT) he methodology involved using an
	For a detailed	d description of OIG's objectives,

scope, and methodology, see Attachment II.

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# **Results of the Audit**

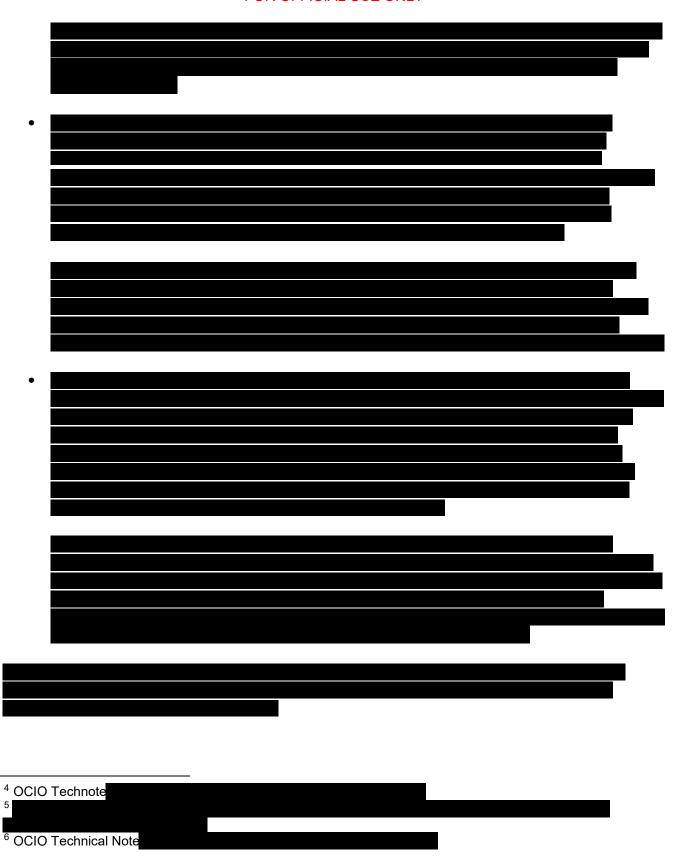


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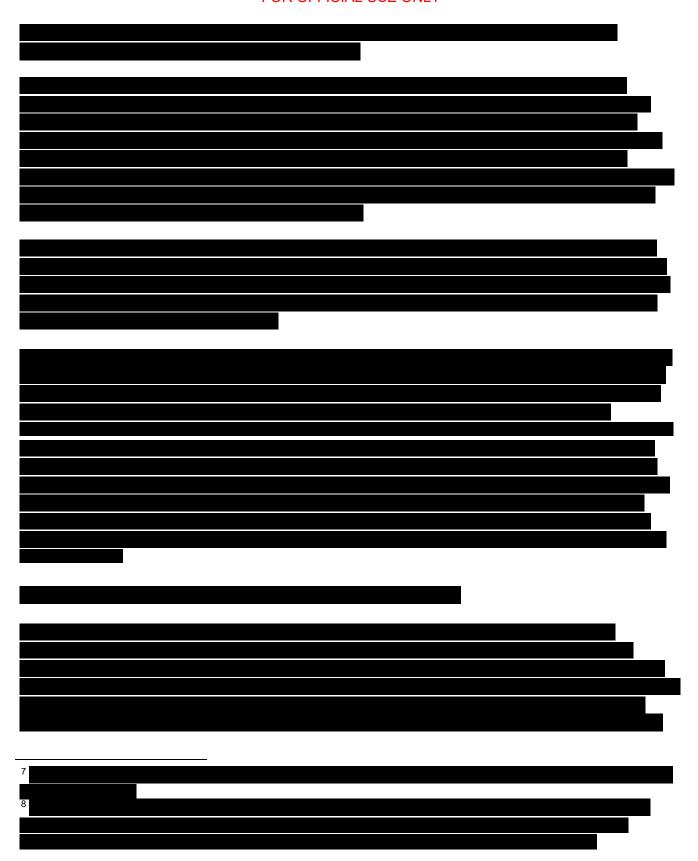


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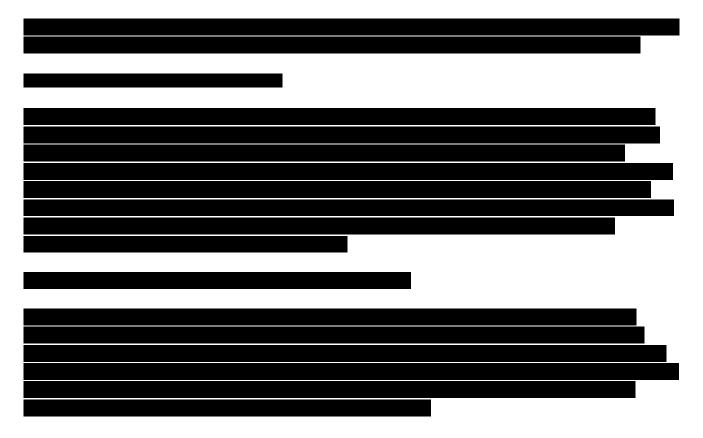
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## **Recent Management Action**

In response to issues identified in this audit OCIO took the following actions:



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# **Conclusions**

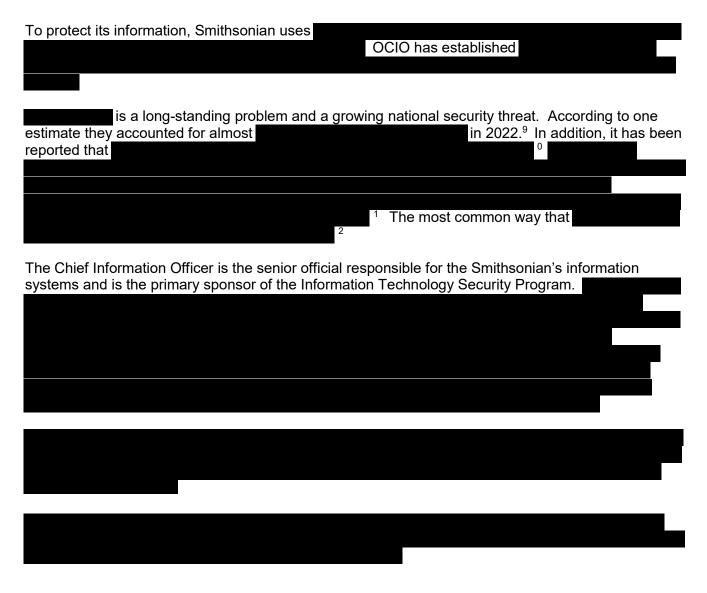
The Smithsonian depends on IT systems to carry out its programs and operations and to process	
essential data.	
	_
Recommendations	
To mitigate the risks associated the Chief	
Information Officer should take the following actions:	
1.	1
2.	
3.	
4.	

# **Management Response and OIG Evaluation**

OIG provided a draft of this report to Smithsonian management for review and comment. They provided written comments and concurred with our findings, which are found in Attachment III.

## Attachment I

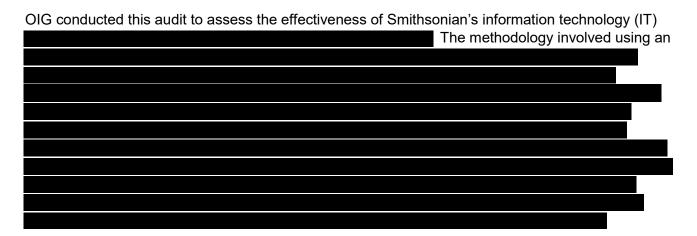
# **Background**





## Attachment II

# **Objective, Scope, and Methodology**



In planning and performing this audit, OIG identified two internal control components (control activity and monitoring) and five underlying principles as significant to the audit objective, as shown in Table 2. OIG assessed the design, implementation, and operating effectiveness of the internal controls significant to the audit objective.

Table 2. Internal Control Components and Principles Significant to the Audit Objective

# Control Activity Principles Management should design control activities to achieve objectives and respond to risks. Management should design the entity's information system and related control activities to achieve objectives and respond to risks. Management should implement control activities through policies. Monitoring Principles Management should establish and operate monitoring activities to monitor the internal control system and evaluate the results. Management should remediate identified internal control deficiencies on a timely basis.

Source: OIG analysis.

OIG conducted this performance audit in Washington, D.C., from June 2021 through March 2023 in accordance with generally accepted government auditing standards. Those standards require that OIG plan and perform the audit to obtain sufficient, appropriate evidence to provide a reasonable basis for its findings and conclusions based on the audit objective. OIG believes that the evidence obtained provides a reasonable basis for the findings and conclusions based on its audit objective.

#### Attachment III



## **Smithsonian Institution**

#### Office of the Chief Information Officer

Date: February 15, 2023

To: Cathy L. Helm, Inspector General

From: Deron Burba, Chief Information Officer Deron Burba

CC: Ron Cortez, Under Secretary for Administration

Rick Flansburg, Deputy Under Secretary for Administration

Judith Leonard, General Counsel

Porter Wilkinson, Chief of Staff to the Regents Joan Mockeridge, Office of Inspector General Celita McGinnis, Office of Inspector General Juliette Sheppard, Director of IT Security Carmen Iannacone, Chief Technology Officer

Catherine Chatfield, Enterprise Risk Program Manager

Subject: Management Response to "Information Security: Enhancements Needed to Improve

Smithsonian's

Thank you for the opportunity to comment on the report. Management's response to each of the recommendations is as follows.

#### Recommendation 1:

Management Response: Management concurs with this recommendation.

We expect this work to be completed by June 30, 2023.

Recommendation 2:

Management Response: Management concurs with this recommendation.

Management considers this

recommendation to be completed.

Management Res	ponse: Management	concurs with this	recommendation.	
		considers this recor	nmendation to be con	pleted.
Recommendatio				
	ponse: Management		ecommendation.	We
expect this work	to be completed by A	April 30, 2023.		