

# Global Technology Audit Guide

**GTAG<sup>®</sup>**

**The Institute of Internal Auditors**  
([www.theiia.org/technology](http://www.theiia.org/technology))

# This presentation covers:

- What is GTAG?
- Who is GTAG target audience?
- Who are involved the GTAG development?
- How many guides have been published?
- What members think of GTAG series?
- What are the future GTAG topics?
- How to get GTAG?

# What is GTAG?

## GTAG - **Global Technology Audit Guide**

- To provide easy-to-understand information technology audit guides to Chief Audit Executives, Audit Committees and Executive Management
- To provide a mechanism to quickly address new IT Issues
- To produce technical audit guides on a global scale

# Who is GTAG target audience?

## Primary target - Chief Audit Executive (CAE)

- Many CAEs face the challenge to understand technology, which is necessary to plan and conduct internal audit.
- CAEs are not well-served by many existing guides, such as CoBIT, which tend to target technical IT auditor and IT management
- Given the broad responsibility of CAEs, GTAG series provide them a high level overview on risk management and control related to IT.

GTAG is practically immeasurable to busy executives who need to quickly understand technology issues and evaluate the impact on their organization.

# Who are involved in GTAG development?

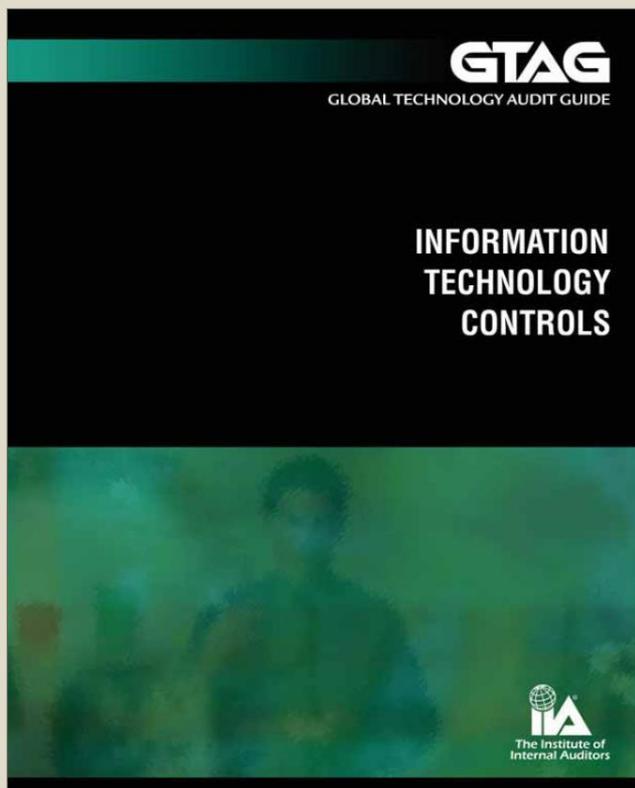
- Advanced Technology Committee – select topics based on the member’s needs; oversee development of guides and develop contents
- Partners with other professional organization – broaden audience for guides and contribute to content
  - AICPA, NACD, CIS, FEI, ISSA, Sans Institute, Carnegie Mellon SEI
- IIA global affiliates participate the reviewing process

# Seven GTAGs published

- GTAG-1: IT Controls , Mar 2005
- GTAG-2: Change and Patch Management Controls, June 2005
- GTAG-3: Continuous Auditing, Oct 2005
- GTAG-4: Management of IT Auditing, Published in Mar 2006
- GTAG-5: Managing and Auditing Privacy Risks, June 2006
- GTAG-6: Managing and Auditing IT Vulnerabilities, Oct 2006
- GTAG-7: Information Technology Outsourcing, Mar 2007

# GTAG-1

## Information Technology Controls

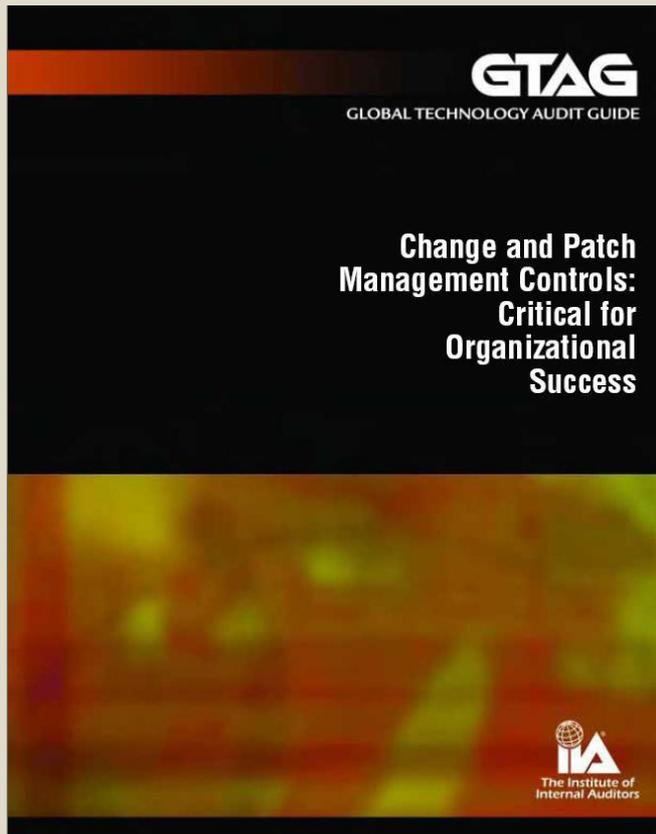


It covers:

- Understanding of IT controls
- Importance of IT controls
- Organizational roles and responsibilities for ensuring IT controls
- Analyzing risks
- Monitoring and techniques
- IT control assessment

# GTAG-2

## Change and Patch Management Controls: Critical for Organizational Success



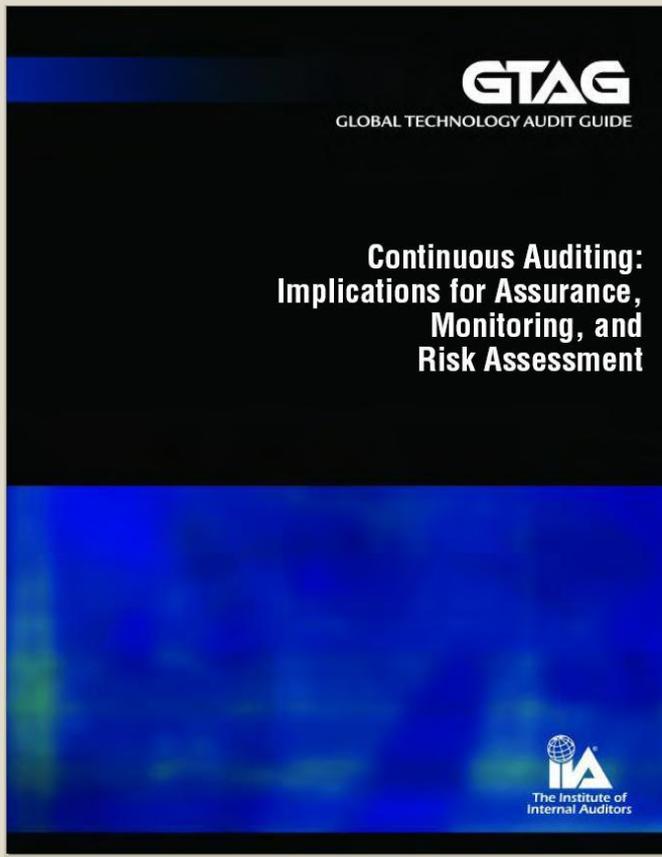
It covers:

- Why IT change and patch management controls are foundational to a healthy IT environment
- How IT change and patch management controls help manage IT risks and costs
- What works and doesn't work in practice
- Describes sources of change and the likely impact on business objectives

# GTAG-3

## Continuous Auditing:

### Implications for Assurance, Monitoring, and Risk Assessment

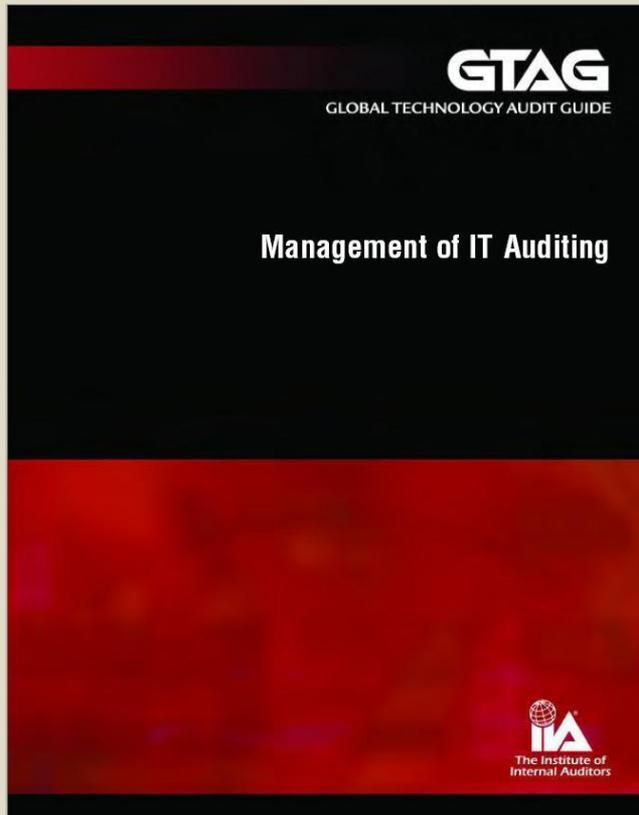


It covers:

- Role of continuous auditing in today's internal audit environment
- Relationship of continuous auditing, continuous monitoring, and continuous assurance
- The application and implementation of continuous auditing
- Benefits of a continuous, integrated approach

# GTAG-4

## Management of IT Auditing

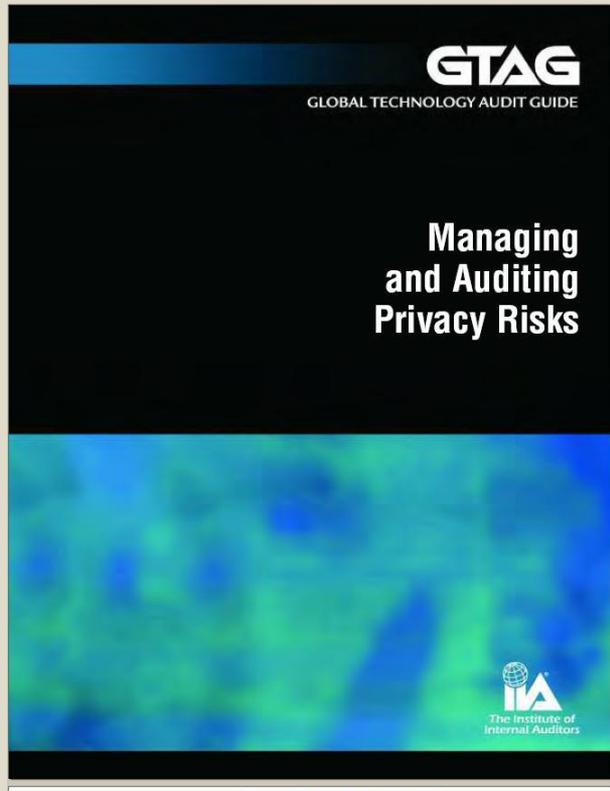


It covers:

- Defining IT
- IT-related Risks
- Defining IT Audit Universe
- Executing IT Auditing
- Managing IT Auditing
- Emerging Issues

# GTAG-5

## Managing and Auditing Privacy Risks

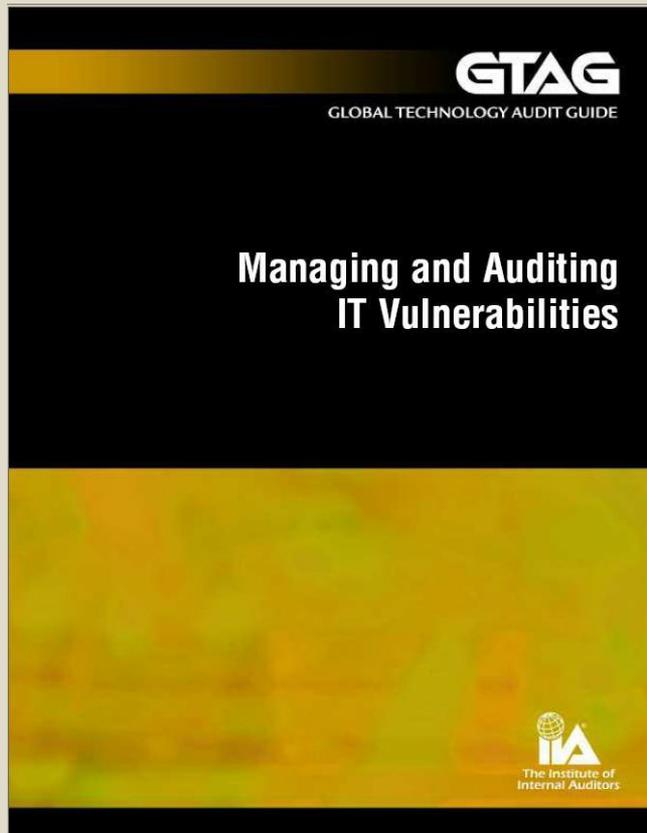


It covers:

- What is Privacy
- Privacy Principles and Frameworks
- Privacy Impacts and Risk Model
- Privacy Controls
- Good and Bad Performers
- Internal Auditing's Role
- Auditing Privacy
- CAE's Top 10 Privacy Questions

# GTAG-6

## Managing and Auditing IT Vulnerabilities

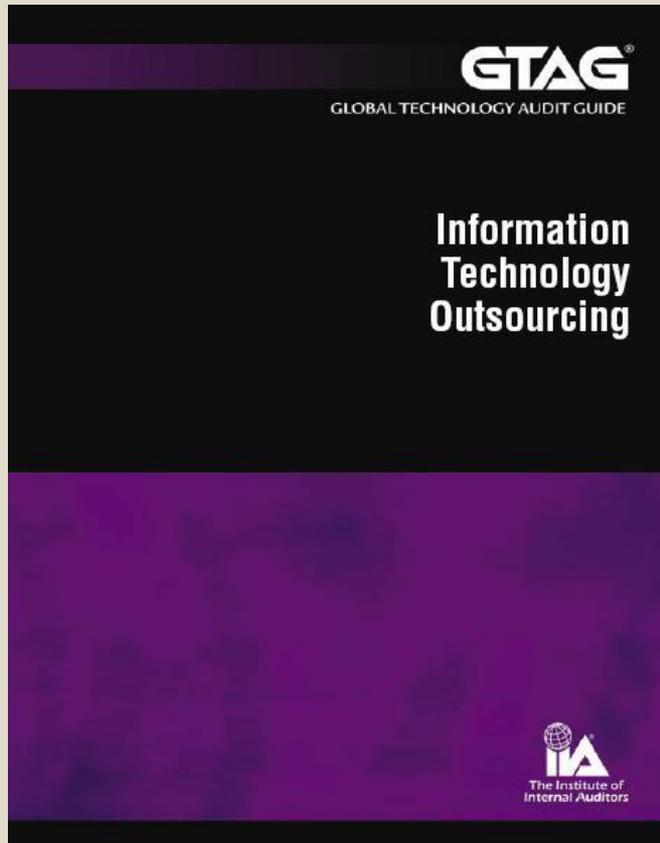


It covers:

- Define the vulnerability management lifecycle
- The scope of a vulnerability management audit
- Organizational maturity
- Metrics to measure vulnerability management practices
- Top 10 vulnerability management questions

# GTAG-7

## Information Technology Outsourcing



It covers:

- How to choose the right IT outsourcing vendor?
- What are the best ways to manage outsourcing contract agreements?
- What are the main outsourcing risks and how to mitigate them?
- What are the key outsourcing control considerations from the standing points of both client operations and service provider operations?
- Which is the most effective framework for establishing outsourcing controls?

# What IIA members think of GTAG?

- GTAG survey tells that:
  - **On Average, 92.4% participants think GTAG topics are important to their organization.**
  - **On Average, 81% participants think GTAG are useful or very useful to their organization.**

# Future GTAG topic

- Auditing Application controls
- Identity Management
- Business continuity management
- IT audit universe and risk assessment

# How to get GTAG?

- Free download electronic copy from IIA technology website  
[www.theiia.org/technology](http://www.theiia.org/technology)
- Purchase printed copy from IIA Bookstore  
(US\$ 25 for IIA member)  
(US\$ 30 for non-member)