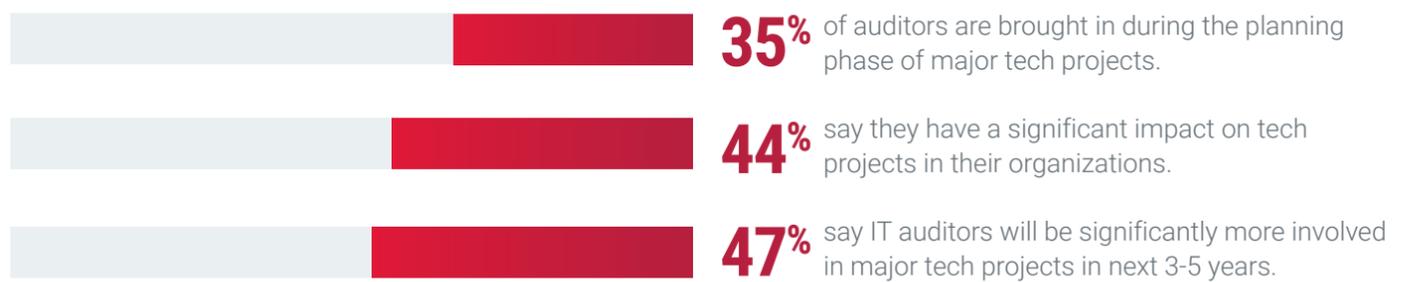


THE FUTURE OF IT AUDIT

Global association ISACA was founded in 1969 to help professionals navigate the new career of electronic data processing auditing. Fifty years later, it is releasing research on how auditors and their organizations need to prepare for major technological impacts in the next five years. To learn more, visit www.isaca.org/futureofITauditstudy.



IT Auditors Will Be Increasingly Involved in Major Tech Projects



IT Auditors With Technical Skills Will Be in High Demand



67% have difficulty recruiting auditors with the required technical skills.



64% of auditors say the technical skills gap has at least a moderate impact on performing IT audits with a high degree of confidence.

Top Technologies IT Auditors Want to Learn



PREDICTIVE ANALYTICS
(53%)



ARTIFICIAL INTELLIGENCE
(51%)



BLOCKCHAIN
(48%)



MACHINE LEARNING
(45%)



ROBOTIC PROCESS AUTOMATION
(45%)

Trends Impacting IT Auditors

CURRENT



STRONGER demand for technical skills (64%)



INCREASED expectation of skills and knowledge across broader subject areas (e.g., becoming more of a generalist than a specialist) (46%)

NEXT 1-2 YEARS



Auditing becoming **INCREASINGLY** automated (30%)



INCREASED need for data scientists on the IT audit team (28%)



REDUCTION in layers of supervision and flattening of audit organizations (26%)



Services **MERGING** (e.g., cybersecurity monitoring with ongoing assurance and assessment) (28%)

NEXT 3-5 YEARS



INCREASED reliance on artificial intelligence (AI)-assisted monitoring and analytics (33%)



FULL INTEGRATION of IT audit into other business areas (24%)

IT Auditors Are Optimistic About the Future



92% are optimistic when considering how technology will impact them professionally over the next five years.



77% say their IT audit team has the technical skills and training to keep up with the technology changes affecting them.