



## Compelling Internal Audit Trainings

*...for your teams, inhouse or IIA conferences*

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## Your Choice for successful Internal Audit Trainings 2024

### 1. ESG Assurance Training | From Audit Landscape Integration to Operational Audit Execution

#### Training description and goals

ESG audit techniques are growing in importance, not only due to increased risk frameworks in this audit area, but also due to expanded regulatory ESG initiatives. Notable among these are the integration of climate risks into supervisory practices by G20 and the European Central Bank, the European Sustainable Finance Disclosure Regulation, the EU Taxonomy Rules, EU Sustainable Finance, the European Sustainability Reporting Standards, the EU Corporate Sustainability Reporting Directive, the EU Corporate Sustainability Due Diligence Directive, the Global Reporting Initiative, the IFRS ESG Reporting Standard and many more.

The Environmental, Social and Governance (ESG) audit domain covers a broad portfolio of risks in the overall business process architecture, in particular in extended supply chains, corporate social responsibility frameworks, sustainable product development, bioengineering, new accounting regulations (including in light of the EU Taxonomy), new sustainability reporting requirements from the International Sustainability Standards Board, and many other ESG-related risk areas.

Where to start and where to finish? This audit training provides guidance.

In this context, it is essential to expand the audit landscape in an intelligent way and to integrate appropriate audit content into all audits. This will lead to future ESG-focused audits, but there will also be new mandatory audit components in every audit. Bringing these two mutually enriching perspectives together will create an assurance horizon for management and the board. In this way, internal audit can make a significant contribution to sustainable business development.

In this training, you will learn about the key ESG influencers in your audit universe. We will also explore different approaches to auditing ESG issues in practice.

#### Agenda:

- Introduction: The rapid evolution of ESG issues
- What are the current ESG issue drivers?
- How can internal audit best deal with the ESG audit momentum in practice?
- ESG integration into a new sustainable audit universe
- Centralised ESG audit approaches vs. decentralised audit approaches
- Examples of building ESG audit guidelines
- ESG audit benchmarks: What are other internal auditors doing?
- ESG Audit Maturity Model: Where are we with our internal audit?
- Common conclusion and roadmap for practical implementation

### 2. Fit for IT audit for business auditors

#### *Fit for General IT Audit Controls including Robot Process Automation*

#### Training description and goals

Focus: To enable business auditors to deal with general IT audit controls and to assess key aspects in a process-oriented manner.

This two-day audit training conveys the risks associated with the use of innovative IT technologies such as blockchain, smart contracts, robotic process automation or artificial intelligence.

The course illustrates how these technologies or their risks are covered by the classic IT audit topics of a specialist auditor and the additional questions that arise for a company. The corresponding risks are also examined in the context of the IT regulations DORA and the use of COBIT.

Each block of classic IT audit topics concludes with a collection of IT audit questions that can be used by the specialist auditor as an audit guide in subsequent audits.

All in all, the essential basics of IT risk are provided for business auditors, enabling them to independently perform audit steps when examining business processes. Based on years of audit experience in joint audits, IT audit questions are addressed that a specialised auditor can handle independently, i.e. without specific and deep IT expertise.

**Agenda:**

- Registration and classification of applications in an IT asset inventory system
- Definition of responsibilities (functional, technical, operational)
- IT security and addressing the protection objectives of availability, confidentiality and integrity
- Risks associated with new technologies and innovations
  - ⇒ Blockchain
  - ⇒ Smart contracts
  - ⇒ Robotic Process Automation (RPA)
  - ⇒ Artificial Intelligence
- Identity and authorisation management responsibilities for RPA technical users
- Software engineering - code reviews, RPA algorithms
- Requirements management - functional concepts as the basis for changes and functional acceptance testing in RPA
- Change and release processes for new application releases
- Authorisation management
- Outsourcing and supplier management
- Individual data processing (e.g. Access databases and Excel)

### 3. Digital Currencies and Crypto Assets: Navigating Trends and Risks

*- Unlocking the Future of Finance: Stay Informed and Secure -*

**Training description and goals**

This audit training is your key to unlocking the world of digital currencies and crypto assets. Whether you're an internal auditor, an audit committee member, or simply curious about the future of finance, join us to gain a comprehensive understanding of the trends, risks, and opportunities in this exciting field. Stay ahead of the curve and make informed audit risk decisions.

In the ever-evolving landscape of finance and investments, digital currencies and crypto assets have emerged as game-changers. But with innovation comes risk, and it's vital to stay informed and secure in this dynamic space. Our ARC Institute audit training on "Developments in Digital Currencies and Crypto Assets" is your compass to navigate the digital financial frontier.

**Why Attend?**

- Understand the latest trends and developments in digital currencies.
- Identify potential risks and vulnerabilities in the crypto asset market.
- Explore the legal and regulatory aspects of digital currency.
- Learn strategies to mitigate risks and make informed investment decisions.
- Gain practical insights through real-world case studies.

**Agenda:**

1. **Introduction to Digital Currencies and Crypto Assets**
  - Defining digital currencies and their significance in finance.
  - Historical perspective and the evolution of crypto assets.
2. **Trends and Developments in the Crypto Market**

- Exploring the latest innovations and trends in cryptocurrency.
  - See the developments of SNB in digital currencies as well as new regulatory requirements of FINMA
  - Market dynamics and the role of blockchain technology.
3. **Risks in the Crypto World**
    - Identifying potential risks in the crypto asset market.
    - Discussing security threats, scams, and market volatility.
  4. **Legal and Regulatory Framework**
    - Understanding the legal landscape of digital currencies.
    - Compliance, taxation, and government regulations.
  5. **Risk Mitigation Strategies**
    - Strategies to protect your investments and assets.
    - Best practices for secure crypto trading and storage.
  6. **Real-World Case Studies**
    - Analyzing actual incidents and their impact on investors.
    - Learning from success stories and failures in the crypto space.
  7. **Making Informed Investment Decisions**
    - How to evaluate and choose digital assets.
    - Diversification and risk management in cryptocurrency portfolios.
  8. **Q&A and Networking Session**
    - Engage with experts and fellow participants.
    - Address your specific questions and concerns.

## 4. Internal Audit Leadership: Developing a departmental strategy for internal audit

### - Path-Goal Strategy with Innovative Milestones 2026+ -

#### Training description and goals

Internal audit scrutinises the strategy development process of the company and the business units as well as the alignment of risk and business strategies. In this context, not only board members, but also senior management, are rightly asking about the internal audit function's own strategic stance. It's not about the audit universe or the multi-year audit plan. Instead, the focus is on aligning internal audit to a 1-5 year strategy. In line with Markides' "strategy as balance", the Audit Research Centre for Internal Audits has developed a rigorous approach for audit leaders to construct a structured path-goal strategy. Using best-in-class strategic concepts, the ARC promotes a symbiosis based on the classic strategic schools of resource-based and market-based strategy approaches. Today, internal audit faces an evolving compliance landscape. Modern compliance departments now cover the original service areas of audit departments, including traditional compliance audits. This often creates an internal competitive situation that requires a clear delineation of areas within the 3rd line of defence. This in turn requires a strategic repositioning and reconfiguration of the existing audit service portfolio. In the ARC Institute workshop, you will learn step-by-step how to systematically develop growth areas for your internal audit on the basis of current strategic models. With our "Audit Strategy as Balance" approach, we combine the two classic strategic schools - the Resource-based Approach (RBA) and the Market-based Approach (MBA). We develop development scenarios based on the latest strategic approaches. In this context, we incorporate the widely used Blue Ocean Strategy by W. Chan Kim and Renée Mauborgne from the BCG Strategy Chair at INSEAD to explore growth areas. We have extended this strategy to internal audits and have conducted several strategy consulting projects based on this methodology with audits in DACH and Europe. We will bring our experience from completed repositioning projects into the workshop and demonstrate it with practical examples, including insurance companies.

## Agenda

- Introduction: Corporate environment requirements for an audit strategy
- Audit strategy in line with corporate development 2026+.
- Common definition base and approach structure
- Strategy as a balance between internal and external perspectives
- Resource-based alignment, including people, IT and process requirements within digital transformation
- Market-based alignment through environmental and stakeholder analysis
- Alignment of the audit service portfolio
- Case study and practical examples: Developing concrete milestones along a timeline
- From overarching objectives to the audit mission statement  
What do we want to achieve? Where do we want to add value?
- Operationalisation objectives to document the 1-3-5 year strategic plan
- Building an appropriate audit strategy document
- Outlook: Audit growth strategies & roadmap for implementation

## 5. Empowering Business Auditors: Mastering Data Analytics for Effective Auditing

**- Enhance Audit Skills and Collaboration with Data Analytics Experts -**

### Training description and goals

In today's data-driven business landscape, traditional business auditors are faced with the challenge of integrating data analytics into their audit processes. Our ARC Institute seminar on "Empowering Business Auditors" is designed to bridge this gap and equip auditors with the knowledge and skills they need to effectively work with data analytics tools and specialists.

This ARC Institute audit training empowers business auditors to become proficient in using data analytics for more effective and insightful audits. Whether you're an experienced business auditor looking to enhance your skills or new to the world of data analytics, this training will equip you with the knowledge and practical tools to excel in the data-driven audit environment and collaborate seamlessly with data analytics specialists. Join us to transform your auditing skills and stay ahead of the curve in the digital age.

- Develop proficiency in using descriptive statistical methods for auditing.
- Strengthen collaboration with data analytics experts.
- Understand the role of data in modern audit practices.
- Improve data-driven decision-making in auditing.
- Learn practical techniques and strategies for audit data analytics.

### Agenda:

1. **Introduction to Data-Driven Auditing**
  - *Understanding the importance of data in modern auditing.*
  - *Overview of the audit data analytics landscape.*
2. **Descriptive Statistical Methods for Auditors**
  - *Mastering statistical tools for data analysis in auditing.*
  - *Identifying key data indicators and their significance.*
3. **Collaboration with Data Analytics Specialists**
  - *Building effective communication with data experts.*
  - *Working together on data-driven audit projects.*
4. **Data-Driven Decision-Making**
  - *Using data insights to make informed audit decisions.*
  - *Case studies on data-driven audit success stories.*

5. **Data Collection and Validation**
  - *Techniques for collecting and validating data for audits.*
  - *Ensuring data accuracy and reliability.*
6. **Practical Applications of Audit Data Analytics**
  - *Practical examples from peer internal audit departments*
  - *Applying data analytics in real-world audit scenarios.*
7. **Audit Reporting and Data Visualization**
  - *Presenting audit findings using data visualization techniques.*
  - *Communicating data insights effectively to stakeholders.*
8. **Common conclusion and outlook**
  - *Summary for your team in an audit road map*
  - *Outlook for what you should prepare for in the next few years*

## 6. The Audit Workplace of the Future: Embracing Technological Transformation

### ***Pioneering the Path to a Digital Audit Ecosystem***

#### **Training description and goals**

The world of auditing is on the brink of profound transformation, driven by rapid technological advancements. Our ARC Institute seminar, "The Audit Workplace of the Future," is your guide to understanding the seismic shifts in the audit landscape and how to thrive in this new era. Explore the future audit workplace, from cutting-edge IT media to remote work optimization, integrating global specialists, leveraging audit data analytics, and embracing the power of AI, RPA, augmented reality, drones, and 365 robots.

This ARC Institute audit training is your gateway to embracing the technological transformations that are reshaping the audit workplace. Whether you're an internal auditor, an IT specialist, or a chief auditor looking to future-proof your skills, join us to explore the digital audit ecosystem, optimize your remote work, and stay at the forefront of auditing in the digital age. Be a pioneer in the audit workplace of the future.

- Gain insights into the technology shaping the audit workplace of the future.
- Learn how to optimize remote audit work for enhanced efficiency.
- Understand how to collaborate with audit specialists worldwide in a digital space.
- Discover the pivotal role of audit data analytics.
- Explore the integration of AI, RPA, augmented reality, drones, and 365 robots in auditing.

#### **Agenda:**

1. **The Digital Audit Ecosystem: A Glimpse into the Future**
  - Overview of technological advancements transforming auditing.
  - Implications for the audit workplace of tomorrow.
2. **Next-Generation IT Media and Tools**
  - Exploring the IT media that will drive the future of auditing.
  - Hands-on experience with cutting-edge audit tools.
3. **Optimizing Remote Audit Work**
  - Strategies for enhancing remote audit efficiency.
  - Remote collaboration, communication, and internal audit project management.
4. **Global Audit Specialists: Navigating Cross-Border Auditing**
  - Leveraging talent from distant countries for audit engagement.
  - Overcoming challenges and ensuring effective collaboration.
5. **The Power of Audit Data Analytics**
  - The central role of data analytics in the future of auditing.

- Case studies on data-driven audit success stories.
- 6. **AI, RPA, and Augmented Reality in Auditing**
  - Integration of AI and RPA for audit process optimization.
  - Exploring the possibilities and challenges of augmented reality.
- 7. **Drones and 365 Robots in Audit**
  - Leveraging drones for on-site audit risk assessments.
  - The use of 365 robots for data collection inside and outside buildings.
- 8. **Common conclusion and outlook**
  - *Summary for your team in an audit road map*
  - *Outlook for what you should prepare for in the next few years*

## 7. Continuous Audit Risk Assessment: Navigating Dynamic Environments

### Staying Ahead of the Curve in a Rapidly Changing Business Landscape

#### Training description and goals

In today's fast-paced and ever-evolving business landscape, traditional periodic audit risk assessments are no longer sufficient. Our ARC Institute seminar on "Continuous Audit Risk Assessment" is designed to equip auditors and chief auditors with the knowledge and tools to adapt to dynamic environments effectively. Discover how to identify, evaluate, and mitigate risks in real-time to ensure the ongoing health of your organization.

This ARC Institute training is your guide to adapting and excelling in a rapidly changing business environment. Join us to explore the world of continuous audit risk assessment and learn how to proactively manage risks in a real-time world for near time auditing. Stay ahead of the curve and ensure the ongoing success of your organization.

Strong risk fluctuations, their global interconnection influences and shorter product cycles in the environment that strongly influences corporate business models demand a timely and forward-looking audit.

In order to keep pace with these developments from an audit perspective, it is necessary to change from a static, single-year audit planning in the previous year to a timely rolling audit planning in a way of continuous audit risk assessment.

Rolling audit planning is typically supported by both quantitative data and qualitative data in the form of a continuous audit relationship management approach. The methodology we have developed significantly supports the continuous networking of the different audit planning levels: Audit universe or audit risk map, multi-year and one-year planning as well as the implementation of risk categorisation in operational audit planning and execution.

Especially in the financial institutions sector there is already a regulatory demand for companies and thus of risk-oriented audit departments a timely risk assessment via a continuous auditing approach in the form of the sub-components internal control, risk management and governance system in conjunction with the IPPF definition.

We help you to achieve this goal, based on the quote by Robert Hirth: "We work in a real-time world and we have to have real-time auditing. Continuous auditing helps us to get there."

#### Agenda:

- Understanding the shift from periodic to continuous risk assessment.
- Why traditional methods fall short in dynamic environments.
- Dynamic audit risk framework conditions
- Design options for dynamic risk-oriented audit planning
- Prerequisites and framework parameters for rolling audit planning
- Audit risk assessment approaches and their consequences for audit practice

- Discussion and presentation of typical problems in implementation
- Synergies in the context of risk convergence with other risk oriented departments
- Development of a constant structure for the audit universe that is independent of corporate change
- Allocation options for audit staff within a dynamic audit plan
- Integration and implementation of the learned procedures into the company's own audit world

## 8. Effective Audit Communication: Unleashing the Power of Brain-Driven Interaction

### *Transforming Audit Communication with ARC HIANCA for Enhanced Performance*

#### **Training description and goals**

The landscape of auditing is not solely about numbers and facts; it's also about effective communication. In the world of auditing, what sets exceptional auditors apart is their ability to communicate and influence effectively. Our ARC Institute training on "Effective Audit Communication" is centered around the groundbreaking ARC HIANCA approach, which leverages insights from the latest brain research to enhance audit communication and overall team performance.

The ARC HIANCA approach is rooted in solid scientific research, combining the findings of Nobel laureates and leading experts in the field. It enables auditors to take their communication to a new level, making it a vital component of audit success. This ARC Institute seminar empowers your audit team with the knowledge, tools, and strategies to enhance your communication skills, drive better audit results, and build stronger working relationships.

This audit training is your gateway to the next level of audit communication and performance. Whether you're a seasoned auditor or a novice, join us to revolutionize your communication skills and drive audit success with the power of brain-driven interaction.

- Understand the mechanics of behavior and decision-making from a brain research perspective.
- Master the ARC HIANCA approach for more effective communication.
- Learn how to navigate and influence diverse stakeholders.
- Gain audit strategies to build excellent working relationships.
- Elevate your audit team's performance through superior communication skills.

#### **Agenda:**

- 1. The Brain in Audit Communication**
  - Exploring the connection between brain research and audit communication.
  - Understanding the limitations of logic and facts in persuasion.
- 2. ARC HIANCA Approach: A Neuro-Systemic Coaching Model**
  - The foundations and principles of the ARC HIANCA approach.
  - How ARC HIANCA enhances communication and interaction.
- 3. Behavior and Decision-Making in Auditing**
  - Insights into the mechanics of behavior and decision-making.
  - How to adapt communication strategies for various stakeholders.
- 4. Effective Communication with Senior Business Counterparts**
  - Tailored communication for strategic stakeholders, senior management, and the Board.
  - Addressing stakeholder needs and the role of Internal Audit.
- 5. Navigating Challenges in Audit Communication**
  - Dealing with pushback, lack of cooperation, and conflicts.



- Understanding the roles and behavior concepts in leadership.
- 6. **Persuasion and Influence in Audit Communication**
  - Mastering techniques for persuading and influencing stakeholders.
  - Building strong, self-confident auditors with exceptional communication skills.
- 7. **Common conclusion and outlook**
  - *Summary for your team in an audit road map*
  - *Outlook for what you should prepare in audit engagements*

## 9. Maximizing Internal Audits with Augmented Reality: A Journey into Remote Audit Excellence

### Training description and goals

Unlock the potential of augmented reality in internal auditing with our seminar, "Maximizing Internal Audits with Augmented Reality: A Practical Guide to Remote Auditing." In this cutting-edge training, we delve into the transformative use of augmented reality glasses, such as the Microsoft HoloLens, to conduct audits in remote locations efficiently. Experience a paradigm shift as we explore real-world applications, from guiding on-site personnel in another country to leveraging image recognition for data analysis. This seminar is your gateway to revolutionizing internal audit practices, enabling you to conduct thorough and insightful audits without borders.

- Understand the benefits and applications of augmented reality in internal audits.
- Learn how to effectively use Microsoft HoloLens for remote auditing.
- Explore practical use cases for on-site personnel guidance in another country.
- Master communication strategies for remote auditing through augmented reality.
- Gain hands-on experience in image recognition methods for data analysis.

### Agenda:

1. **Introduction to Augmented Reality in Internal Audits**
  - Understanding the role of augmented reality in revolutionizing audits.
  - Overview of Microsoft HoloLens and its applications in internal auditing.
2. **Benefits and Applications of Augmented Reality**
  - Exploring the advantages of using augmented reality for remote audits.
  - Case studies on successful implementations in various industries.
3. **Practical Use Case: On-Site Personnel Guidance**
  - Walkthrough of a scenario where a local representative is guided remotely.
  - Hands-on experience with Microsoft HoloLens for real-time communication.
4. **Communication Strategies for Remote Auditing**
  - Best practices for effective communication with on-site personnel.
  - Overcoming challenges in remote communication during audits.
5. **Recording and Analyzing Data Images**
  - Using augmented reality to capture data images during remote audits.
  - Introduction to image recognition methods for subsequent data analysis.
6. **Hands-On Session with Microsoft HoloLens**
  - Participants engage in a practical session using Microsoft HoloLens.
  - Guided exercises on remote auditing scenarios.
7. **Integration with Internal Audit Processes**
  - How to seamlessly integrate augmented reality into existing audit methodologies.
  - Maximizing efficiency and accuracy through augmented reality tools.
8. **Common conclusion and outlook**
  - *Summary for your team in an audit road map*
  - *Outlook for what you should prepare for in the next few years*

This training is your opportunity to pioneer the future of internal audits, breaking through geographical barriers and enhancing the efficiency of your audit processes. Join us in exploring the limitless possibilities of augmented reality and Microsoft HoloLens in the realm of internal audits. Transform your approach to remote auditing and elevate your internal audit practices to unprecedented heights.

## 10. Gardener of Governance

### Training description and goals

Internal Auditing is a profession at crossroads. On the micro level, in organizations and institutions, stakeholders may see less and less value in the contributions from internal auditing and on a macro level, this projection jeopardizes the legitimacy and relevance of internal auditing as a profession. The good and bad news is that the future is uncertain. This training suggests five main fields of action and focus on you as participants, who will determine the future role of internal auditing, its legitimacy, its relevance and its organizational and societal significance.

The purpose of this training is to provide comprehensive content suggesting five concrete paths for the betterment of internal auditing. The five directions that deserve development are planet, public, profession, prosperity and people.

Ultimately, positioning internal auditing as Gardener of Governance is a promising metaphor to strengthen its value proposition, both on a micro and on a macro level. Metaphors are an important way to convey ideas and make ideas stick.

### Agenda Overview

- Megatrends in society as embedded audit framework
- Audit Focus 1 Planet
- Audit Focus 2 Public
- Audit Focus 3 Profession
- Audit Focus 4 Prosperity
- Audit Focus 5 People
- Audit target profile Gardener of Governance
- Joint conclusion and outlook for implementation in internal auditing

## 11. Emerging risk integration in audit risk assessment and risk-oriented audit planning

*Geopolitical risks, environmental risks, G20 BowTie risk approach*

### Training description and goals

Emerging risk integration in audit risk assessment and risk-oriented audit planning | including geopolitical risks, environmental risks, G20 BowTie Risk Approach

Strong risk volatility due to new geopolitical risks and their impact on global supply chains require further audit analysis and a dynamic design of audit planning. Global network influences, tightly synchronised international logistics chains and shorter product cycles, in an environment that strongly influences corporate business models, demand a timely and forward-looking audit.

New audit analysis approaches are necessary in order to analyse cause-effect chains more foresightedly and to recognise "emerging risks" earlier. In doing so, it is not only necessary to apply techniques that are able to recognise "grey swans", but also to identify and evaluate new emerging risk combinations in the form of so-called "black swans" as early as possible. In order to be up to this task, it is important to promote new employee qualifications in analytical thinking in the form of meta-competences in addition to methodological tools such as bow-tie risk assessments.

In this training, you will learn analysis techniques for emergent risks as well as their integration into a dynamic audit process design or audit planning.

**Content modules:**

- Prelude: Emerging risks in Internal Audit Risk Assessment Techniques
- Creating a new risk atlas of gross risks
- The Known-Unknown in the Johari Window Methodology
- Analysis techniques for making audit processes more dynamic
- Geopolitical risks and their risk impact on a new audit universe
- Designing dynamic audit planning
- Developing as an employee through the creation of meta-competences
- Joint conclusion and road map for practical implementation

## 12. Impact of quantum computing on auditing work | Anticipatory action required

*- New opportunities and risks with exponentially more computing power –*

**Training description and goals**

The stability and progress of quantum computing is continuously increasing. In the meantime, there are also the first desktop computers with quantum computing technology. Enormous government and private investments in the triple-digit billions are being made worldwide.

The developments in quantum computing technology are both an opportunity and a risk for internal auditing and for corporate models. Here, it is important to be proactive and understand the key risks associated with the business model's own data and process architecture.

These include security of encryption systems, sensitive data protection, impact on business models, ethics and society associated with artificial intelligence, and environmental scenarios.

Quantum computing is so attractive because it offers tremendous advantages over traditional computers. Quantum computers can perform multiple calculations simultaneously and solve complex problems in less time. This makes them particularly attractive for applications in cryptography, materials research, artificial intelligence and other fields. With the ability to perform calculations that are impossible for conventional computers, quantum computers can spark a revolution in computing technology and various industries.

Learn what developments and risks to look out for in this concise Audit Training.

Prelude

- Definition von Quanten Computing
- Why Quantum Computing is relevant for Internal Audit?

Quantum Computing in Operations

- Wie funktionieren Quantencomputer im Vergleich zu herkömmlichen Computern?
- How do quantum computers work compared to traditional computers?
- What are qubits and how do they work?
- What computations can quantum computers perform that traditional computers cannot?
- Which industries are likely to be completely revolutionized by this?

Applications of Quantum Computing

- Application areas of quantum computing
- Case studies of the use of quantum computing

Risks and challenges for internal auditing

- Risks for IT security and data protection due to quantum computing
- Impact of quantum computing on business and society
- Ethical issues related to quantum computing

- Challenges and Opportunities for Internal Audit in the Context of Quantum Computing
- Best Practices for Internal Audit in the Context of Quantum Computing

#### Summary and Outlook

- The Future of Quantum Computing
- What does quantum computing mean for audit and what actions should be taken?

## 13. Internal Audit towards Metaverse - New risk, New Business Models, New Audit Approaches

### Training description and goals

The metaverse is the next current stage of the Internet. This results in new business opportunities for companies as well as customer processes. These new production and customer processes are part of the new audit map. In addition, developments in augmented reality in conjunction with the metaverse enable a new working environment for collaboration in the company's own audit teams as well as for all employees in the company.

In order to be at the cutting edge as an internal auditor and to develop the audit universe optimally and with foresight, it is important to understand the concepts and new work processes of the Metaverse. In doing so, Internal Audit can constructively support management and the Board of Directors in new projects and investments in the Metaverse with pre-implementation audits and appropriate risk assessments.

After the presentation, you will know the opportunities and risks that the developments around the metaverse offer for your company. In addition, you will learn about the opportunities for your audit team to work together.

### Agenda:

- What's behind the term metaverse? What is the financial impact and real investment in the Metaverse?
- Real-world examples, use cases:
  - JP Morgan and Deutsche Bank's first bank branches.
  - Manufacturing and consumer goods companies Adidas, Gucci, Amazon, Sony, Walmart, IKEA, TESLA
- Which implementation concepts are in use and how can an appropriate audit approach look like?
- How to audit purchase and payment processes in the Metaverse?
- How to do pre-implementation-audits in the context of Metaverse projects?
- How to make your Internal Audit team future ready?
- Joint conclusion and road map for practical implementation

## 14. Emerging audit area: Ethical requirements in the use of artificial intelligence

***Generic AI is gaining momentum - proactively adapt your risk assessment and audit approaches!***

### Training description and goals

The use of Generic AI and machine learning in general has increased dramatically over the past 12 months. The use of artificial intelligence (AI) raises many ethical questions and challenges. To address these, the European Commission, among others, has developed a comprehensive action plan to promote the responsible and ethical use of AI.

When it comes to transactions and active customer engagement, ethical requirements for AI include aspects such as transparency, fairness, privacy, accountability and human control. It is crucial for AI systems to disclose and explain how they work, in order to identify and minimise potential risks and biases. The fairness of AI systems means that they must not make discriminatory decisions, particularly with regard to gender, race or other protected characteristics. Data protection is of paramount importance, as AI processes and analyses large amounts of data. Responsibility for the use of AI lies with stakeholders, who must ensure that AI systems comply with ethical standards. Finally, it is essential that humans retain control over AI systems and use them as tools to support and enhance human decision-making.

#### Agenda

- Definitions and insights into: Generic AI, Deep Learning, Machine Learning, RPA and more.
- The trajectory of Generic AI: Where is the field heading?
- Existing use cases: What practical customer interactions are emerging?
- Transparency requirements for artificial intelligence and its use.
- Risk assessment model approaches to fairness, privacy, ethical responsibility and potential discrimination.
- Human oversight: how customers review, adjust or reject AI decisions.
- Audit approaches to process security in the use of artificial intelligence.
- Risk assessment approaches to the use of artificial intelligence.
- Regulatory approaches: What needs to be considered in the future when using artificial intelligence?
- Summary and outlook.

## 15. Internal Audit New Joiner Training: Operational Audit Toolset

– *Audit Methods Toolkit for Examining the Three Components of the Internal Oversight System* –

⇒ *This is a 3-day training course*

#### Training description and goals

Internal audit is increasingly becoming a critical component of corporate governance. The increased focus on internal audit comes with increased stakeholder expectations. For management and the board to rely on the results of internal audit, they need to be robust. This can be achieved by focusing on the relevant issues and using the right methodologies.

The first part of this audit training is a deep dive into understanding the Internal Oversight System according to the G20 Risk Atlas, divided into the Internal Control System (ICS), the Risk Management System (RMS) and the Governance System (GS). Participants will learn to apply various internationally recognised methodologies along the audit review process. The focus is on assessing the audit objective, the organisation's processes and the associated roles, competencies, responsibilities, controls and communication channels. In a risk-oriented and process-independent manner, Internal Audit examines the existing internal control system and assesses its effectiveness for corporate governance. The auditors identify process points where there is a risk of negative deviation (risk). They assess whether management is adequately addressing the risks, for example by implementing risk-mitigating controls.

Participants will also receive practical tips and guidance for implementation in operational audit practice. The audit training is rounded off by a discussion of typical challenges in audit situations and how to deal with the auditee. By the end of the course, participants will be familiar with the relevant international and national requirements for internal audit and be able to put them into practice. They will understand and be able to assess the elements of the internal control system. This training ensures basic practical skills.

### Agenda

- Systematisation and in-depth understanding of the three main audit areas according to IIA, ISA, BilMoG and the 8th EU Directive.
- Key methodological risk categories for internal audit risk analysis.
- Audit risk channel - learning to distinguish inherent risks from operational risks in the risk atlas.
- Specific Rules for Internal Audit under the IIA Global Code of Ethics.
- Implications and consequences of independent organisational integration of internal audit.
- Proactive, sequential risk-based audit preparation.
- Gathering information and defining the scope of the audit.
- Distribution of audit information within the audit team.
- Requirements for internal control systems & identification and analysis of key controls.
- Techniques for visualising internal control systems.
- Requirements for the structure of working papers in different audit situations.
- Successful implementation in the exit interview.
- Concrete implementation options for your audit practice.