SABSA® Chartered Practitioner:
Module A1 – Advanced SABSA Risk Assurance & Governance

Duration **5 days** Presented in association with the **SABSA Institute**

Competency Outcomes

Benefits in attending this Advanced SABSA course:

- Experience in applying the SABSA Risk Management Process, Assurance Framework & Governance Model to their specific organisation, sector and culture;
- The skills and competence to plan, design, implement and manage a SABSA Risk Management Architecture through-life;
- The skills and competence to plan, design, implement and manage the SABSA Assurance & Governance Frameworks;
- Customised strategies and detailed work-products to apply the SABSA Risk Management Process, Assurance Framework and Governance Models, on Domain and Enterprise basis, and throughout the business lifecycle.

Who Should Attend

- SABSA Chartered Practitioner Candidates
- SABSA Chartered Master Architect (SCM) Candidates
- Any professional seeking to develop practical advanced competency to architect Business Risk, Assurance and Governance structures and processes.

Course Contents

1. Risk, Assurance & Governance in SABSA Framework
- The role of Risk & Risk Management
- SABSA Risk & Opportunity Model
- Business-driven architectural decomposition
- The SABSA Risk Management Process (RMP) Meta-model

2. Strategy & Planning - Establishing Risk Context
- Domain-based Risk Context
- Identifying Stakeholders & Risk Owners
- The SABSA-Extended RACI Model
- External Context Analysis Taxonomies & PESTELIM Analysis
- Internal Context Analysis Taxonomies & SABSA-based SWOT Analysis
- Through-life Risk Perspectives

3. Strategy & Planning – Risk Identification
- Threat & Opportunity Event Identification Taxonomies
- Vulnerability & Strength Identification Taxonomies
- Using Attribute Taxonomies for Identifying Risk Consequences

4. Strategy & Planning – Risk Analysis & Assessment
- SABSA Approach to Risk Assessment
- Applying SABSA to assess assets at risk
- Assessing Threat & Opportunity Event Probability
- Assessing Risk Likelihood
- Risk Appetite Thresholds
- Assessing Risk Consequences
- SABSA Application of Risk Levels to Provide Early Warning Capability

5. Strategy & Planning - Risk Evaluation
- Risk Evaluation Criteria
- Risk-Architecting Complex Enterprise Environments

6. Strategy & Planning – Risk Treatment Strategy
- Objectives for Enablement & Control
- Risk Treatment Dependency Modelling
- Risk Treatment Traceability
- Risk Finance Strategy
- Role of Pure & Residual Risk
- SABSA Risk Treatment Lifecycle

7. Design & Implement – Risk Treatment
- Risk Policy & Management Architecture
- SABSA Multi-tiered Control Strategy
- Balanced Risk Treatment Decisions

8. Manage & Measure – Risk Management
- The Control System in a Control Feedback Loop
- Through-life Vitality
- Treatment Inheritance & Re-use
- The Role of Key Risk Indicators & Analysing Change
- Considerations & Implications for Risk Systems & Dashboards

9. Through-life Governance
- SABSA Governance Model
- Lifecycle Perspectives
- Risk Communications Architecture

10. Through-life Assurance
- SABSA Assurance Framework
- Assurance Levels & Correlation with Risk Levels
- Defining & Populating Assurance Matrices

SABSA® Chartered Practitioner:
Module A3 – Advanced SABSA Architecture & Design

Duration **5 days** Presented in association with the **SABSA Institute**

Competency Outcomes

Benefits in attending this Advanced SABSA course:

- Experience in applying the SABSA Development Process to their specific organisation, sector and culture including providing security solutions to today's burning issues and 'hot topic' areas.
- The skills and competence to plan, design, implement and manage a SABSA Architecture and its through-life processes.
- Customised strategies and detailed work-products to apply the SABSA Development Process at Enterprise or Solutions level, and throughout the business lifecycle.
- Customised approaches, techniques & models to integrate and align security architecture with the requirements of existing Enterprise & IT Architecture methods, standards and frameworks.
- A practical SABSA-based approach to providing secure information services that are aligned with the needs of the business.

Who Should Attend

- SABSA Chartered Practitioner Candidates
- SABSA Chartered Master Architect (SCM) Candidates
- Any professional seeking to develop practical advanced competency to integrate and align Security & Risk with Enterprise Architecture Frameworks & Standards.

Course Contents

1. SABSA as a Problem Solving Framework for Today's Burning Issues
- Evolution of Architecture & Strategy
- Change: Legacy & Future-Proof
- A Structured Thought Process for Dealing with Any Problem

2. Stakeholder Value Propositions
- Real-world Buy-in & Support
- Cultural Shift
- Customising Value Propositions

3. Framework Alignment
- Lifecycle & Scope issues
- Greenfield Site or Alignment & Integration with Existing Investments

4. Advanced Attributes Profiling (1)
- Attributes as Risk Appetite Thresholds
- Risk Responsibility Delegations
- Attributes in Domains
- Multi-tiered Attributes – Organisation Domains
- Inheritance & Aggregation
- Process Engineering & Vertical Systemic Interactions
- Compound Interactions in Hyper-connectivity
- Approaches to Conceptualising Requirements

5. Advanced Attributes Profiling (2)
- Lifecycle Risk Perspectives
- Lifecycle Inheritance & Aggregation
- Programmes, Projects & Solutions
- Gap Analysis & Establishment

6. Traceability Concept
- Traceability for Completeness & Justification
- The Traceability Layer-Map
- Traceable Capability

7. Logical Layer Engineering
- Top-Down Systems Analysis
- Top-Down Process Analysis
- Security Relationship of Systems & Processes
- Relationship with Business Assets
- Logical Domains, Information Flows & Transformations
- Logical Security Services
- Logical Trust Modelling

8. Physical Layer Engineering
- Physical Architecture & Relationship with Logical Entities
- Physical Domains, Data Exchanges & System Interactions
- Physical Security Mechanisms
- Security Processing Cycle & The Finite State Machine Model

9. Engineering the Multi-Tier Control Strategy
- Defence-in-Depth Layering
- Capability-Based Layering
- SABSA Multi-Tiered Control Strategy
- Multi-Tiered Control Strategy in Risk Management
- Strength-in-Depth Capability Engineering

10. Adapting the SABSA Process – Fit-for-Purpose Process Design
- Unique Requirements
- Variability of Inputs & Outputs
- Variability of Scope
- Customising the SABSA Process

11. Full Requirements-to-Solutions Traceability
- Detailed Application of the Traceability Layer-Map

12. SABSA for Evaluating Standards & Solutions
- Applying SABSA to Evaluate & Address Real-World Short-Comings In Standards & Solutions