

# CAMA

## CERTIFIED ASSET MANAGEMENT ASSESSOR



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# Certified Asset Management Assessor (CAMA)

## Introduction:

The management of physical assets is critical to the economy of many countries. How we manage assets determines the efficiency of companies and how competitive we are in the world market. Much money is spent annually on maintaining and developing the asset base and providing services to improve Asset Management has in itself become a major competitive market internationally.

The “Certified Asset Management Assessor” (CAMA) certification Workshop (CAMA exam preparation Course) is designed to familiarize participants with what constitutes an ISO55001 compliant asset managed environment, and to support their knowledge and comprehension to undertake the CAMA exam. The CAMA Assessor has the basic knowledge in asset management required by the Global Forum on Maintenance and Asset Management (GFMAM) to audit or assess an Asset Management system to the requirements of ISO55001.

CAMA certification is granted upon successful completion of a 2-hour exam and demonstration of relevant experience (minimum 5 years). The exam has been designed to test for knowledge defined in the Global Forum on Maintenance and Asset Management (GFMAM) document, “GFMAM ISO 55001 Auditor/Assessor Specification as well as the GFMAM Landscape.”

This course will provide participants with guidance regarding the development, implementation & maintenance of an organization’s asset management system in the context of ISO 55000. It will also help participants to prepare for the CAMA certificate.

## TRAINING METHODOLOGY:

This BTS training course is composed in such a way that it can be held for all professionals involved in managing or implementing Asset Management processes. There will be a variance of lectures and practical exercises and case studies. Experiences from different areas will be discussed.

**There will be many opportunities for discussion and sharing experiences in addition to:-**

- Pre-Course Questionnaire
- Interactive Sessions
- Mock Tests.
- Post Course Assignments
- Comprehensive Learning Kit.

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### **Aligned:**

The CAMA exam has been developed and is offered by the World Partners in Asset Management, a partnership of non-profit professional associations including the ABRAMAN (Brazil), AM Council (Australia), GSMR (Gulf States), JAAM (Japan), SAAMA (Southern Africa), and PEMAC (Canada). This preparation course has been developed and is aligned with the WPiAM landscape document.

### **Exam: What are the prerequisites for the certification?**

#### **Applicants must:**

- Have a minimum 5 years of working experience in asset management;
- Complete a professional profile which is then reviewed and approved by the WPiAM Technical Team. This professional profile is used to demonstrate compliance with ISO 17021-5 “Competence requirements for auditing and certification of asset management systems” that requires auditors to have experience in certain industry types and asset classes

#### **Applicants should:**

- have working knowledge of ISO 5500X Standards; and
- Understand the GFMAM Competency Specification for an ISO 55001 Asset Management System Auditor/Assessor.

**For more details:** <https://www.wpiam.com/recognised-training-programs/>

### **Objectives:**

- Learn the asset management knowledge required by the GFMAM Competency Specification for an ISO auditor/assessor.
- Describe how the ISO 55000 Standard aligns with other strategic organizational objectives
- Understand the business benefits of an integrated suite of technical and financial asset management decision-making processes.
- Develop an integrated suite of processes that develop defensible maintenance budgets.
- Understand how organizational elements can support an asset management system and improve business outcomes.
- Successfully prepared for CAMA Exam.

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## **Who should attend?**

- Asset management & Facility management practitioners
- Plant Managers, Asset Managers, and Operation Managers / Directors
- Managers, Engineers, Supervisors from the maintenance, reliability, and Asset Integrity functions
- Operations/production, supply chain, project, and finance/business expert and engineers
- Professionals and consultants who are responsible for asset management.
- Aspiring certified asset management assessors and Improvement Leaders
- Construction/ Contractor Managers & Supervisors

## **Course Layout:**

### **Day 1**

#### **Program Introduction & CAMA Certificate Overview**

- CAMA Certificate Overview
- CAMA Exam Registration
- CAMA Exam Setup
- CAMA Recommending Reading
- CAMA Frequent-Asked Questions

#### **ISO 55000 Suites Introduction**

- Key Terms and Definitions ISO 5500X
- The context and background to ISO 55000
- Evolution of Asset Management (The journey from BSI PAS 55)
- The benefits of applying ISO 55000
- The ISO 55000 family of standards
- Asset Management Concept Module
- ISO 55001 Clauses

#### **Group discussion**

## Day 2

### Asset Management Introduction

- The Ultimate Goal of Asset Management
- Asset Management System Model
- Asset Management as a Business Process
- Asset Management Scope & Definitions
- Asset Management Conceptual Model
- Asset Management Strategy & Planning
- Asset Management Roles - about roles, expectations, and responsibilities that asset management is & isn't
- Assets, asset systems, and asset portfolios

### Asset Management Benefits

- The main benefits of an asset management approach
- Benefits to different stakeholders and businesses
- Communicating the benefits of asset management
- Asset Management Misconception

### Discussions & Quiz

## Day 3

### GFAM Asset Management Landscape

- GFAM six principles of asset management.
- GFAM 39 Subjects of Asset Management
- GFAM Asset Management Subjects and their links to ISO55000, and the AMBoK

### Asset Management Strategy & Planning

- Asset Management Policy
- Asset Management Strategy & Objective
- Demand Analysis
- Strategic Planning

### **Asset Management AM Decision Making**

- Capital Investment Decision-Making
- Operation & Maintenance Decision Making
- Life Cycle Value Realization
- Resource Strategy
- Shutdown & Outage Strategy

### **Asset Life Cycle Delivery (Management of Physical Asset Over the Entire Lifecycle)**

- Technical Standards & Legislation
- Asset Creation & Acquisition
- System Engineering
- Configuration Management
- Maintenance Delivery
- Reliability Engineering
- Asset Operations
- Resource Management
- Shutdown & Outage Management
- Fault & Incident Response
- Asset Decommissioning & Disposal

### **Discussions & Quiz**

## **Day 4**

### **GFMAM Competency Specification for an ISO 55001 Asset Management System Auditor/Assessor**

- Asset Management Competency Context
- Roles and Responsibilities
- Competency requirements
- Background & Prerequisites
- Bloom's Taxonomy of Learning

### **Asset Information and the Asset Management Information System (AMIS)**

- Asset Information Strategy
- Asset Information Standards
- Asset Information Systems
- Data & Information Management
- Role of data to support decisions and the role of Asset Metadata
- Business Information Management

### **Organization & People**

- AM leadership emphasized in the ISO 5500# suite.
- Organizational Structure
- Organization Culture
- Competence Management

## **Day 5**

### **Risk Management & Continual Improvement**

- Risk Assessment & Management
- Contingency Planning & Resilience Analysis
- Sustainable Development
- Management Of Change
  - Challenge of Change
  - Change Drivers
  - Change Outcomes
  - Change Process
  - Change Environment
- Assets Performance & Health Management
- Asset Management System Monitoring
- Management Review, Audit & Assurance
- Asset Costing & Valuation
- Stakeholder Engagement

### **The development of a Continual Improvement**

- Monitoring
- Failure Reporting and Condition Assessment Systems
- Feedback loops

### **Discussions & Quiz**

### **Online Exam**