

# CERTIFIED ASSET MANAGEMENT ASSESSOR

# CAMA



# Course Description:

- 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.”



---

# The Training Course will highlight:

---

- 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.

# Course Objective:

- **By the end of this course, participants will learn to:**
- 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.

# 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

# Training Methods:

- This Pioneer 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.



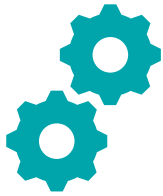


# Day 1

- **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



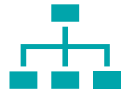
## Asset Management Benefits

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



## GFMAM Asset Management Landscape

GFMAM six principles of asset management.  
GFMAM 39 Subjects of Asset Management  
GFMAM 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



## **GFAMAM 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**