

AMSBMS002

Lead Others in an Asset Managed Environment

This is a two day diploma-level course designed to familiarise participants with operating within an ISO 55001 compliant asset managed environment. It explores how their leadership in decision making, and planning and implementing effective and efficient work activities, impact on their organisation's ability to deliver products and/or services to customers.

Course Objectives

Provide participants with the skills and knowledge to:

- Apply the principles of sound Asset Management and ISO 55000.
- Identify, prioritise and carry out team work activities within the context of business objectives, ISO 55001 compliance, levels of service, cost optimisation and organisational risk.
- Contribute to formulation of asset management planning.
- Address managing the performance of a team in an asset managed environment by resourcing to meet levels of service requirements, development and maintenance of awareness and competency, and implementation of a continuous improvement culture.
- Ensure provision of data and knowledge to the required standard for reliable decision making and performance management.
- Provide input to renewal & replacement programming & prioritisation.
- Support the organisation's business and service or production continuity needs.

Delivery Program

The program consists of 7 delivery and assessment topics:

The Asset Management context

This topic addresses the key role that asset management plays in an asset dependant organisation. Starting from the need to meet business objectives, participants are led through the relationship of assets to service or product delivery to the concept of asset management as a vertically and horizontally integrated quality management business model within the context of ISO 55001.

Participants identify and prioritise their key business drivers and asset management issues.

Participants gain an understanding of the concept of vertical and horizontal alignment, systems thinking, quality management, integration and interdependencies of roles and responsibilities.

Asset performance management

All assets are purchased, maintained and operated to create value for the organisation by delivering against organisational objectives. In order to make decisions and undertake activities associated with owning assets, we have to clearly define the asset's purpose and put in place a performance management framework. The key concepts explored include:

Levels of Service

The Level of Service hierarchy, process chains, support services and service agreements, internal and external performance targets and customer perception. Participants carry out performance analysis of an asset against a Levels of Service specification. Participants gain an understanding of the issues and problems that need to be addressed in developing a quality assured, continuous improvement performance management framework for an asset or service, and apply this understanding to examples in their own work environment.

Risk management

This topic looks at the relationship of asset failures and risk to levels of service, the concept of the risk hierarchy, 'criticality', redundancy and customer tolerance.

Asset Management decision making

Building on the Asset Management context and the need to manage risk, this topic reviews the key decision making requirements and methodologies of asset management. It includes:

Configuration management – Acquisition, utilisation and integration.

Assets do not exist in a vacuum, their performance is linked to and influenced by their operation and utilisation, their interaction with other assets, the physical and regulatory environment, stakeholder obligations, customer requirements and management practices and activities.

Optimisation of assets – acquisition and operation.

Single criteria optimisation is easy, but no asset functions against a single performance parameter. This topic looks at optimisation issues, tools and decision rules.

Maintenance analysis, planning and management

Including the theory and use of fundamental tools such as Failure Modes, Effects and Criticality Analysis (FMECA) and Reliability Centred Maintenance (RCM).

Asset data and knowledge management requirements

Participants review the data management and process quality and their relationship with the quality and confidence level of that decision making and performance management. Participants are introduced to data mapping and flows, including preparing and applying data standards and quality control.

Resourcing of Asset Management activities

Within the context of an asset's life, this topic addresses the resourcing of the key management intervention opportunities, as well as the changing nature of resourcing needs requiring addressing as an asset ages.

Contingency and business continuity planning

The key elements of emergency and continuity planning are identified. Participants carry out an action planning exercise.

Conclusions and action planning

Summary of key points and planning exercise for participant's to commit to improving an aspect of their current approach to asset management.

Intensive Short Course Delivery

One by two-day delivery session and assessment workshop.

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