



Arabian Institute For Training

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# Maintenance Auditing and Continuous Improvement

## INTRODUCTION

- This highly participative Maintenance Auditing and Continuous Improvement training course introduces candidates to the auditor's role, how to prepare, undertake and report an audit as well as some of the one to one interview skills necessary to the role. The training course includes guidance on identifying Best Practice and gaps against current practice (using benchmarking as appropriate) and through example and exercises how an audit report might highlight and recommend Performance Improvement. General Performance Improvement drivers, tools and techniques, in line with Lean Six Sigma practices are discussed and demonstrated, including specific maintenance performance measures, key performance indicators and objective setting.

Participants will be assisted in developing the following competencies:

- An understanding of the purpose of auditing and the role of the auditor
- The ability to scope, prepare, undertake and report an audit review
- An appreciation of international maintenance organisation models and standards
- Experience in audit interviewing techniques
- The ability to prepare a case for improvement initiatives
- An appreciation of a range of Lean Six Sigma tools and techniques

## PROGRAMME OBJECTIVES

- Audit their maintenance operations
- Use the results to establish and monitor an effective improvement strategy
- Establish Auditing as a key element of their maintenance management strategy
- Make a business case for improvement initiatives
- Use / reference benchmarking and a range of Lean Six Sigma tools and techniques to drive improvement initiatives

## WHO SHOULD ATTEND?

- This training course addresses the needs of a diverse audience of maintenance professionals with an interest in Maintenance Management and Maintenance Improvement and the application of leading edge techniques such as Maintenance Auditing, Benchmarking and Lean 6S.
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The program should be of interest to:

- General Managers who have oversight responsibility for Maintenance Management and Maintenance organisational units
- Operations Engineering and Maintenance Managers with direct line responsibility as well as staff support responsibility for Maintenance
- Those with responsibility for standards and/or continuous improvement
- Maintenance Supervisors, Maintenance Engineers and Maintenance Planners and Schedulers

## **TRAINING METHODOLOGY**

- Maintenance Auditing and Continuous Improvement is a highly interactive training course with opportunities to advance your opinions and ideas. Participation is encouraged in a supportive environment. To ensure the concepts introduced during the program are understood, they will be reinforced through a mix of learning methods, including lecture style presentation, open discussion, case studies, simulations and group work.

## **PROGRAMME SUMMARY**

- This training course covers all the essential skills necessary to understand how an effective and efficient maintenance function is implemented, supported and improved. This includes the use and application of a model maintenance management audit methodology consistent with the recognised maintenance excellence framework to assess the current state of maintenance and identify opportunities for improvement. Similarly, participants will learn how benchmarking and a range of Lean 6S tools can be adapted to the needs of maintenance.

## **PROGRAM OUTLINE**

### **Introduction and Foundation Concepts**

- Introduction to Auditing
- Introduction to Benchmarking
- Maintenance Management models for different operations
- International standards models
- Performance Measures

### **Maintenance Auditing**

- The Maintenance Auditing Process
  - Maintenance Auditing Methodology
  - Conducting a Maintenance Audit
  - Maintenance Audit Simulation Case Study
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## Maintenance Auditing and Benchmarking

- Maintenance Audit Simulation Case Study
- Using Maintenance Audit Results to Plan Improvement Strategies
- The Maintenance Benchmarking Process
- Maintenance Benchmarking Methodology
- Benchmarking Tools and Techniques

## Maintenance Benchmarking and Performance Measurement

- Maintenance Performance Measures and Metrics
- Key Performance Indicators
- Integrating Benchmarking resulting into improvement and objective setting processes
- Integrating Maintenance Auditing and Benchmarking into the Performance Measurement System to establish improvement objectives and strategies

## Auditing, Benchmarking and Maintenance Improvement

- Case study
- Identifying Improvement Opportunities
- Making the Business Case
- Standards and Lean 6S



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