

RCM: Taking the Guesswork Out of Maintenance 3 Day Workshop

In House Course Overview



How to raise standards, target maintenance resource and ratchet up reliability levels

RCM (Reliability Centred Maintenance) was first developed in the early 1960's following a series of intensive engineering studies on in-service aircraft to find ways of improving the alarmingly high crash rate of commercial jets at that time. The findings of these studies challenged the then accepted best practice overhaul maintenance approach and provided guidelines which delivered today's high standards of air safety and reliability. It also resulted in practices which reduced costs and improved operational performance.

Since that time RCM based maintenance policies have been used successfully in raising reliability, safety cost and productivity levels in a wide range of industries. This evolution is now captured as standard JA1011.200908. (Society of Automotive Engineers).

This workshop explains RCM theory and practical application using exercises and best in class case study examples to provide

- An in-depth awareness of Reliability Centred Maintenance, the role it plays in defining maintenance requirements and how to use it raise maintenance efficiency
- An understanding of RCM analysis steps including an introduction to supporting software tools
- Lessons learned by well know and award winning organisations on how to plan and implement a maintenance policy based on RCM logic

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RCM: Taking the Guesswork out of Maintenance

Location: In House

Cost: £4500 plus VAT for up to 10 delegates. £5000 for 12 delegates

Price includes Course Leader costs and all printed materials.

Who should attend?

This workshop is designed to meet the needs of key maintenance and engineering personnel, tasked with the delivery of best in class levels of reliability and maintenance value. This includes:

- Design Engineers
- Maintenance Engineers
- Engineering Managers
- Engineering Supervisors
- Operations Supervisors/Operations Managers
- Technicians/Operators

Content

Introduction

- Maintenance objectives
- Contribution of maintenance to competitive advantage
- History of RCM
- Benefits of its use

Functional Analysis

- Primary functions
- Secondary functions
- Overall functions
- Sub-functions
- IDEF modelling
- Functional failures

Criticality Analysis

- Risk assessment
- Probability of failure
- Consequences of failure
- Case study examples
- Focusing RCM activities

Failure modes & effects analysis

- Failure modes
- Assessing the consequences of failure
- Failure characteristic analysis
- Typical failure families

Condition monitoring techniques

- Where best to apply them

Maintenance strategy selection

- RCM selection methodology
- Optimisation of tasks
- Software tools available

Implementation

- Setting objectives
- Developing a plan
- Establishing a team
- Role of facilitator
- Managing team sessions
- Maintaining an audit trail
- Refining the first attempt

Conclusion

- Summary
- Round Up

This course is workshop based with practical examples being used to emphasize key points. It is based on the RCM standard JA1011.200908.

Workshop Leader

The workshop will be led by Paul Wheelhouse

Paul Wheelhouse worked in the Specialty Chemicals business for 18 years where he was responsible for Pan-European Engineering and Production organizations. A large part of his time was devoted to enhancing the performance of plant, work processes and the functioning of groups.

For the past 22 years Paul has been engaged in Operations, Maintenance and Asset Management Consulting. This has involved identifying solutions for clients to enhance their return on assets through improved equipment reliability, reduced working capital and effective use of resources. His assignments have been across a range of industries located in Europe, Middle East, North America and the Far East.

Paul also lectures on strategy, organizational development and auditing for the Asset Management & Reliability Improvement MSc at Manchester University. He is a former council member for the Institute of Asset Management in the UK.

<p>RCM: Taking the Guesswork Out of Maintenance</p> <p>Date/Venue In House</p> <p>Timing Day 1: 9:00 to 17:00 Day 2: 9:00 to 17:00 Day 3: 9:00 to 16:00</p> <p>Timings can be adjusted to suit the organisations core time.</p>	<p>Workshop Fees: £4500 + VAT Up to 10 delegates 12 Delegates £5000</p> <p>Workshop fees include course leader costs and all course materials.</p> <p>Cancellation charges apply. 8 weeks – no fee due 6-8 weeks – 25% of fees due 4-6 weeks – 75% of fees due 2-4 weeks – 100% of fees due</p>	
<p>Complete and return this booking form to</p> <p>DAK Consulting, Chiltern House, 45 Station Road, Henley on Thames, RG9 1AT</p> <p>Or contact Nadine Edmonds on Tel: +44(0)1491 845504 Nadine.Edmonds@dakconsulting.co.uk</p> <p>Payment can be made by: 1. attaching a cheque made payable to "DAK Consulting" 2. requesting us to invoice your company against purchase order number: _____</p>	Contact Name	
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