



RCM TRAINING

Gain the instruction and practice needed to apply Reliability Centered Maintenance (RCM) Analysis to physical assets in any industry. Our courses provide instruction in a non-proprietary, Society of Automotive Engineers (SAE) Standard JA1011 compliant, RCM process. We offer several courses in the RCM analysis discipline:

Introductory Course that provides an in-depth understanding of the RCM process and how it is used to develop efficient preventative maintenance programs

Advanced Topics course that provides additional skills and analytical techniques for advanced users

Executive Overview designed to provide managers and executives with an overview of the RCM process and its benefits and implementation requirements

Abbreviated Technical Overview for technical support staff that may be asked to support analysis efforts. These courses are equally beneficial to the military, municipal, and commercial sectors.

WHO BENEFITS

- Fleet/asset managers
- Maintenance planners/managers
- Production/operations managers
- Reliability managers/engineers
- Field service representatives
- Logisticians
- Maintenance technicians
- Design engineers

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Fundamentals of RCM Analysis Course

This course is comprised of four units, beginning with an overview to provide a clear understanding of the learning objectives for each unit. The first unit introduces participants to the concepts of RCM. The next unit provides a high level overview of the entire RCM process. Unit 3 provides detailed instruction on perform RCM analysis and provides practice with an SAE JA1011 compliant RCM analysis software tool. Finally Unit IV provides supplemental information and practical examples that aid the future analyst in performing RCM analysis. Upon completion, the attendee will have a working knowledge of how to perform RCM analysis on any equipment.



RCM Course Outline

UNIT ONE: INTRODUCTION TO RCM

- Module 1 - Introduction to RCM
- Module 2 - Asset Management and the Role of RCM
- Module 3 - RCM Terminology and Concepts

UNIT TWO: RCM PROCESS OVERVIEW

- Module 1 - RCM Process Overview
- Module 2 - Planning and Preparation
- Module 3 - Hardware Partitioning
- Module 4 - FMECA
- Module 5 - RCM Decision Logic
- Module 6 - RCM Analyzer Software Review

UNIT THREE: HOW TO PERFORM RCM

- Module 1 - Service/Lubrication Task
- Module 2 - On Condition Task
- Module 3 - Condition Based Maintenance
- Module 4 - Hard Time Task
- Module 5 - Failure Finding Task
- Module 6 - Age Exploration
- Module 7 - Selecting Tasks/Other options
- Module 8 - RCM Analyzer Data Elements
- Module 9 - Analytical Methods
- Module 10 - Maintenance Task Analysis

UNIT FOUR: ADDITIONAL TOPICS

- Module 1 - Additional Analytical Methods
- Module 2 - Data Considerations
- Module 3 - Task Packaging
- Module 4 - Sustaining the Analysis
- Module 5 - Case Studies

Additional RCM Courses

EXECUTIVE OVERVIEW

Intended for managers and decision makers to gain an understanding of what RCM is, what it can accomplish and what it takes to implement the process. (1 - 2 hr. brief).

RCM TERMINOLOGY AND CONCEPTS

Intended for engineers and other RCM support staff who will participate in RCM analyses. They will gain general knowledge of RCM principles, what information is needed to perform RCM and how that information is used (4 hr. course).

RCM ADVANCED TOPICS

For experienced RCM analysts that are responsible for implementing the RCM process, this course examines case studies to address implementation and integration issues. (2 day course).

