

## **Fundamentals of RCM Analysis Training Course**

This course is based on the Naval Air Systems Command's RCM process provided in NAVAIR 00-25-403, Guidelines for the Naval Aviation Reliability Centered Maintenance Process. This process is non-proprietary and fully compliant with SAE JA-1011. Although developed for aviation, the NAVAIR process has been used successfully on a wide range of industrial equipment. The course provides practical knowledge and includes case studies and information that can be incorporated into any RCM process. The course reviews the role of RCM in industry today and will address the history and benefits of RCM, as well as issues related to sustaining an RCM Program. We also offer a version of this course specifically tailored to the NAVAIR 00-25-403 process for US Military customers.

### **Course Contents**

#### **Introduction**

1. RCM Introduction, Terminology and Concepts
2. The Role of RCM in Industry

#### **RCM Process Overview**

1. Hardware Partitioning
2. FMECA
3. Significant Functions
4. RCM Decision Logic

#### **Performing RCM**

1. Planning and Preparation
2. RCM Software Review
3. Failure Management Strategies
4. Age Exploration
5. Common Mistakes

#### **Sustaining the Process**

1. Emergent Failures
2. Routine Monitoring

#### **Other Topics**

Scoping the analysis (what and how much), Analysis Ground Rules & Assumptions, Data sources, Task interval calculations, Cost calculations, Predictive Maintenance Technologies, Measuring results, CMMS Interface