



# Maintenance Management Professional Certification Program

## MMP Module 5: Management Strategy Development

### Overview of Maintenance Management Professional Certification Program

Developed and authorized by PEMAC Asset Management Association of Canada, the Maintenance Management Professional (MMP) Certification Program consists of eight courses which provide learners with an understanding of the various concepts necessary to be an effective maintenance and physical asset management professional. Individuals who successfully complete all eight courses are eligible to apply to PEMAC Asset Management Association of Canada, for the “Maintenance Management Professional” (MMP) certification and the right to use “MMP” designation behind their name. Renewal requirements to maintain the certification include demonstrating a minimum standard of continuing professional development (CPD), and payment of recertification fees.

The program is designed for individuals who are:

- already in maintenance management or supervisory positions and are seeking formal training.
- aspiring to management positions in the maintenance field
- seeking full maintenance accreditation through the MMP designation (Maintenance Management Professional), or
- those seeking focused training in selected areas.

### Module 5 Description

This module focuses on the elements informing the development of a robust maintenance program, which aims at physical assets performing safely, capably, reliably, and repeatedly to their desired performance in their given operating context. Introductory topics include failure definitions, the fundamentals of a maintenance program, and asset criticality analysis, followed by the main types of maintenance and their associated tasks. The second part of the course deals with processes and methodologies used to develop a maintenance program. This includes Reliability Centered Maintenance (RCM) and a detailed review of the seven questions, as well as a few other processes. The last part of the course covers the PMO method and additional tools to identify tactics. At the end of the course, participants will have a better understanding of what developing a maintenance program entails, and an informed knowledge of the various maintenance processes and methods used in the industry.

### Learning Outcomes

Upon successful completion of this course, you will be able to:

1. Recognize the fundamentals of failures and maintenance.
2. Recognize the importance of asset criticality analysis in developing a maintenance program.
3. Recognize the main types of maintenance and their associated tasks.
4. Recognize the main characteristics of RCM analysis and other processes and methodologies.
5. Recognize the main characteristics of the PMO method.
6. Recognize additional tools to identify tactics.
7. Recognize some techniques associated with condition-monitoring maintenance.