

The Academy for Professional Education and Training

IN ASSOCIATION WITH THE CRC FOR INFRASTRUCTURE AND ENGINEERING ASSET MANAGEMENT

All You Would Want to Know About Physical Asset Management 1-Day Workshops

These 1-day workshops reveal astonishing results of several nation-wide surveys on the extent of application of asset management in the Australian public and private sectors and outlines the development of a company-wide multi-disciplinary *Integrated Asset Management Plan*. These workshops also include the application of strategic, tactical and operational planning and decision making in the functions of Integrated Asset Management, and cover details of these functions in various sub-plans for the development of a comprehensive company-wide *Integrated Asset Management Manual*.

DAY 1 – WORKSHOP 1

Understanding Asset Management Frameworks and Survey Benchmarking the Application of Integrated Asset Management Functions in both the Public and Private Sectors for Developing a Company-Wide Multi-Disciplinary Integrated Asset Management Plan

WORKSHOP CONTENTS

Coffee and registration 09h00 – 09h30

INTRODUCTION

1. Defining Assets and Asset Management
 2. Defining Asset Management Principles
 3. Defining Asset Management Frameworks
 4. Defining Asset Management Functions
- Morning Tea 10h30 – 11h00
5. Linking Integrated Asset Management Functions
 6. Establishing Company-Wide Asset Management
 7. Survey Results of Asset Management Application
 8. Benchmarking Integrated Management of Assets
- Lunch 12h30 – 13h00
9. Develop Integrated Asset Management Plans
 10. Assessment Criteria for Asset Management
- Afternoon Tea 14h30 – 15h00
11. Restructuring Asset Management Frameworks
 12. Discussion on Comparing Benchmark Results

GROUP DISCUSSION EXERCISE

Closure 16h30

DAY 2 – WORKSHOP 2

Understanding Asset Management Functions in Comprehensive Structured Frameworks for the establishment of Asset Management Sub-Plans in both the Public and Private Sectors for Developing a Company-Wide Multi-Disciplinary Integrated Asset Management Manual

WORKSHOP CONTENTS

Coffee and registration 08h30 – 09h00

INTRODUCTION

1. Defining Assets Strategic Planning Functions
 2. Defining Assets Tactical Planning Functions
 3. Defining Assets Operational Planning Functions
 4. Linking Integrated Asset Management Planning
- Morning Tea 10h30 – 11h00
5. Decision Making in Integrated Asset Management
 6. Linking Company-Wide Assets Decision Making
 7. Survey Results of Asset Management Planning
 8. Benchmarking Decisions in Asset Management
- Lunch 12h30 – 13h00
9. Develop an Integrated Asset Management Manual
 10. Assessment Criteria for Company-Wide Manuals
- Afternoon Tea 14h30 – 15h00
11. Restructuring IAM Planning / Decision Making
 12. Discussion on Comparing Benchmark Results


WORKSHOP SUMMARY OVERVIEW

Closure 16h30

Workshops Venue: APET Select Training Rooms

Workshops Schedule: January to February, June to July, and November to December

Registration can be for one or all of the workshops online or email ics@proics.com



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DAY 3 – WORKSHOP 3

Understanding Assets Strategic Planning and Decision-making in the Application of Assets Strategy and Risk Management in both the Public and Private Sectors for Developing Company-Wide Multi-Disciplinary Assets Strategic Planning and Risk Management Plans

WORKSHOP CONTENTS

Coffee and registration 09h00 – 09h30

INTRODUCTION

1. Developing and Implementing an Assets Strategy
2. Establishing Assets Needs Strategies
3. Establishing Assets Support Systems
4. Strategic Processes and Functions

Morning Tea 10h30 – 11h00

5. Assets Strategy Planning and Corporate Planning
6. Assets Risk and Asset Management Implications
7. Assets Risk Identification and Risk Factors
8. Qualitative and Quantitative Assets Risk Analysis

Lunch 12h30 – 13h00

9. Assets Risk Action Schedule and Risk Mitigation
10. The Assets Risk Management Plan

Afternoon Tea 14h30 – 15h00

11. Developing an Assets Strategy Plan
12. Assessment Criteria for Assets Strategy

WORKSHOP SUMMARY OVERVIEW

Closure 16h30

DAY 4 – WORKSHOP 4

Understanding Assets Tactical Planning and Decision-making in the Application of Assets Tactical and Performance Management in both the Public and Private Sectors for Developing Company-Wide Multi-Disciplinary Assets Tactical Planning and Performance Management Plans

WORKSHOP CONTENTS

Coffee and registration 08h30 – 09h00

INTRODUCTION

1. Assets Integrity Management and Analysis
2. Assets Degradation and Rehabilitation Analysis
3. Assets Consumption and Preservation Analysis
4. Assets Rehabilitation or Preservation Selection

Morning Tea 10h30 – 11h00

5. Assets Performance Diagnosis and Prognosis
6. Assets Reliability, Availability, and Maintainability
7. Sustainable Development and Asset Management
8. Level of Service and Performance Specifications

Lunch 12h30 – 13h00

9. Assets Performance Standards and KPIs
10. The Assets Performance Management Plan

Afternoon Tea 14h30 – 15h00

11. Developing an Asset Integrity Management Plan
12. Assessment Criteria for Assets Integrity

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Closure 16h30

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The Academy for Professional Education and Training is currently negotiating with participant universities for recognising course and workshop credits toward university award courses in Engineering Management.

For further information or queries, please contact The Academy for Professional Education and Training, ics@proics.com or Tel: (07) 55 201333. Other courses at www.apetorg.com.au.



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DAY 5 – WORKSHOP 5

Understanding Assets Operational Planning and Decision-making in the Application of Assets Usage and Maintenance Management in both the Public and Private Sectors for Developing Company-Wide Multi-Disciplinary Assets Operational Planning and Maintenance Management Plans

WORKSHOP CONTENTS

Coffee and registration 08h30 – 09h00

INTRODUCTION

1. Assets Design Integrity Criteria
 2. Assets Procurement / Installation Criteria
 3. Assets Construction / Commissioning Criteria
 4. Assets Usage Life Cycle Operational Planning
- Morning Tea 10h30 – 11h00
5. Assets Usage Life Cycle Processes Evaluation
 6. Assets Degradation / Consumption Reviewed
 7. Assets Rehabilitation / Preservation Reviewed
 8. Assets Life-Cycle Integrity End-of-Use / Disposal
- Lunch 12h30 – 13h00
9. Assets Maintenance Planning and Optimisation
 10. The Assets Maintenance Management Plan
- Afternoon Tea 14h30 – 15h00
11. Developing an Assets Usage Life Cycle Plan
 12. Assessment Criteria for Assets Usage Life Cycle

WORKSHOP SUMMARY OVERVIEW

Closure 16h30

DAY 6 – WORKSHOP 6

Understanding Assets Condition Assessment and Decision-making in the Application of Assets Surveys and Performance Measure in both the Public and Private Sectors for Developing Company-Wide Multi-Disciplinary Assets Condition Surveys and Performance Management Plans

WORKSHOP CONTENTS

Coffee and registration 08h30 – 09h00

INTRODUCTION

1. Assets Condition Assessment and Analysis
 2. Assets Condition Monitoring vs Measurement
 3. Assets Condition Assessment and Performance
 4. Assets Condition Scoping and Profile Modelling
- Morning Tea 10h30 – 11h00
5. Conducting Assets Inspections and Surveys
 6. Assets Health Monitoring and Usage Life Cycle
 7. Assets Function, Utilisation and Performance
 8. Assets Performance Measure and Conditions
- Lunch 12h30 – 13h00
9. Outcome vs Risk Based Performance Measure
 10. The Assets Performance Management Plan
- Afternoon Tea 14h30 – 15h00
11. Developing Asset Condition Assessment Plans
 12. Assessment Criteria for Assets Condition

WORKSHOP SUMMARY OVERVIEW

Closure 16h30

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