Practical Application of Project Management

This course provides a comprehensive review of the nine Project Management Body of Knowledge (PMBOK® Guide) areas covered in the PMP® exam. It is interactive and practical, and it fulfills the education requirements for those wanting to sit for the exam.

Professional Development Units / Exam Preparation: You will receive a certificate satisfying the 35 contact hour requirements for PMP® certification.

Objectives
• Speak project management vocabulary
• Explain how the nine knowledge areas interact with the five process groups and 42 project management processes
• Understand all the inputs, tools and techniques, and outputs for each project management process
• Become familiar with requirements to sit for the PMP exam and complete the application process

Course covers the following topics
• Project Integration Management
• Project Scope Management
• Project Cost Management
• Project Human Resource Management
• Communication Management
• Project Quality Management
• Project Risk Management
• Project Procurement Management
• Project Time Management

Added Bonus: During this course, you will not only learn project management skills, but you will also learn how to apply these skills to specific projects in the nuclear industry.

Nuclear Receipt Inspection

This course covers all aspects of Nuclear Receipt Inspection, including codes and standards, overview of commercial grade dedication, nuclear receipt inspection techniques, CFSI, non-conformity reporting, statistics and sampling techniques, and practical exercises.

Objectives

CODES AND STANDARDS
• NRC 10 CFR 50 Appendix B and Part 21, ASME NQA-1, ANSI N45.2.6, EPRI 5652 CGD, EPRI 3002002982

COMMERCIAL GRADE DEDICATION
• Detailed description of CGI identification, critical characteristics recognition and selection, acceptance methods and dedication acknowledgement
• Statistics and Sampling Techniques

RECEIPT INSPECTION TECHNIQUES AND SPECIFICS
• Interpreting acceptance methods requirements, confirmation techniques for specification and drawings
• Measurement and Test Equipment (M&TE), calibration and accuracy
• Non-conformity reporting and corrective action
• Records and reporting

PRACTICAL
• Hands on – Execute receipt inspection and reporting
• Mechanical CGI – Read commercial dedication plan, acceptance method 1 details, instrument use (micrometers, CMTR review, sampling, more) and reporting
• Electrical CGI – Read commercial dedication plan, acceptance method 1 details, instrument use (multi-meter, potentiometer test, sampling, more) and reporting

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Training & Development Courses

Our strategy is simple

To provide relevant courses for development of nuclear industry professionals. We focus on working with Auditors, Engineers, Quality Assurance professionals, Project Managers and other key industry professionals to ensure they have the tools necessary for driving compliance and organizational success.

Sample Classes
NQA-1 Lead Auditor Training • Nuclear Receipt Inspection • Commercial Grade Dedication • Software Dedication • Practical Application of Project Management • Understanding and Implementing ASME NQA-1 • ISO 9001:2008 Lead Auditor Training

Nuclear Lead Auditor Training

This course is designed to provide an overview of Lead Auditor requirements stated in 10 CFR 50 Appendix B and ASME NQA-1. This is provided through direct classroom instruction of Lead Auditor requirements, shared experiences illustrated by instructors, and nuclear industry examples and history as it relates to becoming a Nuclear Lead Auditor.

You Will Learn
• Quality assurance auditing practice and principle
• Industry standards intent and control
• Comparison of current ASME NQA-1 edition 2008 with previous editions
• Practical application of intended audit goals
• Audit application regarding NQA-1 and Commercial Grade Dedication
• Engaging restrictive "reasonable assurance"
• Summary of NRC current focus, including highlights from the annual conference
• 10 CFR Part 21 "Defects and Noncompliance"

Software Dedication

The Software Dedication course examines the requirements and guidance available for using commercial grade computer programs and software services at nuclear facilities.

Objectives
• Understanding the terms and definitions applicable to computer programs and Commercial Grade Dedication (CGD)
• Determining what computer programs should be subject to the CGD process
• Recognizing where requirements for computer programs can be found in NQA-1 and which are applicable to the CGD process
• Discuss the relationship between NQA-1-2012 guidance and EPRI TR 1025243 Plant Engineering: Guideline for the Acceptance of Commercial-Grade Design and Analysis Computer Programs used in Nuclear Safety-Related Applications
• Review the non-mandatory guidance that will be provided in the NQA-1-2012 edition
• Understand the content of a CGD Plan for commercial grade computer programs and software services

Commercial Grade Dedication

This three-day course is designed to provide a better understanding of how Commercial Grade Dedication is applied in order to meet NQA-1 requirements. It is based on Revision 1 to EPRI NP-5652 and TR-102260.

You Will Learn
• What is the purpose of Commercial Grade Dedication?
• How to perform Commercial Grade Dedication?
• What is needed to start the process?
• Technical Evaluation
• Identifying the Safety Function
• Identifying Critical Characteristics
• Acceptance Planning
• Engaging Restrictive "Reasonable Assurance"
• Sample Selection Methodology
• Supplier Dedication Oversight
• What makes up a Lot/Batch?
• Production Traceability
• How to determine a Sampling Plan?
• Hands-on Development of CGDS
• Overview of Commercial Grade Dedication Process of Computer Program and Digital Equipment
• CFSI, challenging dedications, and samples of Part 21 reports will be discussed, as well as additional evaluations of seismic sensitive components originally qualified.

Nuclear Training Institute can also bring its training to you!

Contact us at info@nucleartraininginstitute.com for a training proposal.

ISO 9001:2008 Lead Auditor Training

This one week course is designed to train potential auditors/lead auditors in the principles and practices of the auditing and assessment of quality management systems for compliance with recognized national and international standards.

Objectives
• An understanding of the correct use of terminology and vocabulary as used in ISO 9001, ISO 9004 and ISO 9000
• An understanding of the purpose of quality management systems and the eight quality management principles upon which the ISO 9000 series are based
• A detailed understanding of the standard ISO 9001 and its relationship to ISO 9004 and ISO 9000
• An understanding of the differences between 1st, 2nd and 3rd party audits, and the planning of audits in accordance with ISO 9001
• Knowledge of the roles, responsibilities and characteristics of an auditor
• Knowledge of how to prepare and interpret information, including how to carry out and report the findings of an audit through effective interviewing, observation, sampling and note taking
• Knowledge of how to report the findings of an audit, write factual and value adding reports, follow up and evaluate nonconformities that have been raised during an audit and close them out
• An understanding of the role of accreditation and certification bodies: UKAS, ANAB, IPC, IATCA, IRCA and RABQSA.