TECHNICAL
EDUCATION
ACADEMY

Operational Risk Management Center

COURSE PROGRAMME

000620

HSSE079 - Management of Change and Pre-Start-up Safety Review

This 2-day course explores proven strategies for implementing a workable MOC system and customized approaches to fit your company's culture.



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Course overview

Foundation level

Why take this course

This 2-day course explores proven strategies for implementing a workable MOC system and customized approaches to fit your company's culture. It also shows how to implement physical and instrumentation changes through the proper use of pre-start-up safety review (PSSR) systems.

Recommended prerequisites: Participants should have practical, technical experience in design, operation, or maintenance of complex systems.

MOC is the element for which all other "foundation" elements of PSM are implemented. It is the PSM element that controls introduction of new risk. Recognizing change, analyzing the risk of each change, and handling small changes efficiently are just some of the barriers that managers face with MOC implementation. This 2-day course explores proven strategies for implementing a workable MOC system and customized approaches to fit your company's culture. It also shows how to implement physical and instrumentation changes through the proper use of pre-startup safety review (PSSR) systems, sometimes called operational readiness reviews (ORRs). Written examples of programs for addressing simple and complex changes are included in the course notebook.

Who it is for and how it helps

Managers – Operations, Safety and Executive, Engineers – Process, Safety and Mechanical, Compliance Auditors, Environmental Management and Technicians.

What you will learn

- Learn about requirements of a complete MOC System
- Learn what PSSR is and how it works and how it can be combined with MOC and mechanical integrity systems
- Learn how to realistically control both small and large changes, minimizing employees' needs to bypass the system
- Learn simple frameworks for identifying and analyzing risks associated with a recommended change to help ensure the minimum losses to your company (this is the heart of any MOC system)
- Appreciate training needs and requirements for all levels of your organization necessary to make managing change a functional system.
- Learn how to integrate all company systems for managing specific functional changes into one MOC system to handle PSM, HSE, quality control, reliability, and productivity changes

Curriculum

Modules 01–06

01 Introduction

- Learning objectives and overview of PSM
- Overview of PSM
- Overview of MOC and PSSR
- Workshop: Identifying which MOC failures led to a catastrophe
- Overall Roles and Responsibilities
- Key Performance Indicators

02 Recognizing or proposing changes

- Review of basic definitions of replacement-in-kind (RIK) and not-replacement-in-kind (NRIK)
- Developing RIK and NRIK examples for your company

03 Initiating the change request

- Who does what?
- Initiating the change request form
- Example of change request forms

04 Reviewing the proposed change

- Technical reviews and Risk reviews
- Choosing the appropriate risk review method for a minor mechanical change
- Performing a risk review of a minor mechanical change

05 Approving and implementing the change

- Roles, responsibilities, and authorities
- Tracking the change request through closure

06 Pre-Start-up Safety Reviews

- Definitions and Style of PSSRs
- Combining PSSR with other PSM or Reliability systems
- Performing a PSSR for a minor mechanical change

Curriculum

Modules 07

07 Managing the MOC/PSSR program

- MOC/PSSR scope decisions
- Review of typical MOC Program
- Review of typical PSSR Program

Pre-course requirements

- Участники должны иметь практический технический опыт в проектировании, эксплуатации или обслуживании сложных систем.
  MOC является элементом, для которого реализуются все другие «основные» элементы управления безопасностью процессов (PSM). Это элемент PSM, который контролирует введение нового риска. Распознавание изменений, анализ рисков каждого изменения и эффективное управление небольшими изменениями — вот лишь некоторые из барьеров, с которыми сталкиваются менеджеры при внедрении MOC. Этот двухдневный курс изучает проверенные стратегии внедрения эффективной системы MOC и индивидуализированные подходы, соответствующие культуре вашей компании. Также рассматривается, как внедрять физические и инструментальные изменения с использованием систем проверки безопасности перед запуском (PSSR), которые иногда называют проверками готовности к эксплуатации (ORR). Письменные примеры программ для работы с простыми и сложными изменениями включены в учебное пособие курса.

Participation and contacts

Joining the programme

Contact the Academy and quote course code 000620 to confirm dates, delivery format, prices and enrolment terms.

Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

Preparing for the programme

Read the pre-course requirements in this programme before enrolling.

Discuss your training needs

mail@tecedu.org
www.tecedu.academy

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