



afcen

in cooperation with



Make In India, Skill In RCC-M

BV-AFCEN NUCLEAR TRAINING

Dates: 16th, 17th, 18th & 19th September 2025 (4 Days)

Online : Microsoft Teams

1. INTRODUCTION TO THE USE OF RCC-M CODE, CONSTRUCTION OF LEVEL 2 AND LEVEL 3 EQUIPMENT – TRAINING CERTIFIED BY AFCEN

Objectives:

- › To understand the philosophy of RCC-M Code and understand its structure and organization.
- › To be able to navigate in the Code (to identify the entry keys) and to grasp its contents. To learn how to use the Code.
- › To understand and be able to locate information concerning requirements of Quality Assurance, procurement, material, manufacturing, welding and examination monitoring.
- › To identify and understand applicable Code requirements during preparation of quotations or implementation of contracts for Nuclear Pressure Equipment.
- › To practice the Code through several concrete case studies.
- › Important: Level 1 equipment and design are not covered in this training module.

Public and Prerequisites:

- › Training is designed for engineers, consultants, technicians, inspectors, staff of Quality Assurance department, purchasers, and sales.
- › More specifically, the training covers all phases of construction of level 2 & 3 equipment: material procurement, manufacturing and welding, examination, test, and pressure protection of nuclear pressure equipment in reference to the RCC-M Code.
- › RCC-M code will be made available to participants by groups (for this specific training session purpose only).

Program (namely):

General presentation of the Code and its use, namely the following themes:

- › Organization of the Code.
- › Requirements concerning Quality Assurance.
- › Applicable requirements concerning material selection and procurement.
- › Requirements applicable to permanent joining, coating.
- › Manufacturing (forming, cleanness ...).

- › Non-destructive and destructive testing.
- › Overview comparison of RCC-M with ASME III.
- › Case studies covering materials, procurement, welding, NDE and manufacturing of equipment.

Pedagogical, Technical and Management Resources:

- › Training material (in paper form) provided to trainees and displaying of slides on the screen.
- › Training presented by nuclear experts.
- › Realization of test cases per groups.
- › Maximum 30 trainees / training.
- › Issuing of **AFCEN** certificate of training achievement to each trainee (when test is passed).

Modalities of Assessment:

- › Evaluation of trainers by trainees by means of a Bureau Veritas quality document.
- › Evaluation of trainees by means of questionnaires.

About RCC-M Code Training Institute:

This training institute is designed to provide training on RCC Codes in India, with the objective of ensuring readiness of the Indian industry to contribute to the Jaitapur project and other future French-Indian nuclear projects. This initiative also supports the broader goals of the “Make in India” and “Skill India” initiative by strengthening local industrial capabilities and expertise in line with international nuclear standards.”

About Contributor to Training Institute:

"EDF is the global benchmark for nuclear power generation. The group is the largest nuclear operator in the world with 66 reactors operated in France and UK and more than 2,200 reactor-years of experience.

Focusing on nuclear new build activities, EDF is currently the lead negotiator with NPCIL for the implementation of 6 EPRs in Jaitapur, in the state of Maharashtra.

As nuclear energy is going to play vital role in coming five years by Indian Government, Third generation European Pressurised Water Reactors (PWR), to generate electricity safely generated every year avoiding the emission of 80 million tons of CO₂ in India.

- › **AFCEN** is a non-profit organization editing codes and standards in nuclear fields, and issuing labelling for AFCEN codes trainings. It was initially founded in 1980 by EDF and Framatome and now gathers over 67 members. Bureau Veritas already received AFCEN label for RCC trainings.
- › **Bureau Veritas** is a world leader in laboratory testing, inspection and certification services. Located in 1,400 offices and laboratories around the globe, helps its clients to improve their performance by offering services to ensure that their products meet standards and regulations in terms of quality and safety. Bureau Veritas has experience to deliver AFCEN trainings worldwide.

RCC-M TRAINING MUMBAI



RCC-M TRAINING CHENNAI



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