



BEYOND
SMART CITIES

LEARN.BEYONDSMARTCITIES.IN



WELCOME TO ADVANCED NEW BUILDING CONSTRUCTION COMMISSIONING - NBCX

ONLINE TRAINING

KRISHNAJI PAWAR - CEO & FOUNDER



08

SUMMARY AND RESOURCES





Summary

- This Advanced New Building Construction Commissioning (NBCx) course will guide you through the New Building Commissioning procedure.
- It also teaches students about building commissioning and its benefits. This training is beneficial for building commissioning service providers, operating employees, energy managers, engineering experts, and commercial and institutional building operators.
- The training will cover commissioning new construction for most building systems and assemblies. It is process-driven with some flexibility to meet unique circumstances, and if a practise appears confusing due to its varied applications, it is clarified.
- The course describes the suggested commissioning procedure but does not advise on the systems to commission or the rigour to apply because these are project-specific concerns. Building automation system and control discussions are the lone exception. Most building commissioning programmes have and will continue to focus on these areas of a building.

Course Outline

01

Introduction & Course Outline

This course explains the New building commissioning process and associated owner benefits.

02

What is New Building Commissioning ?

Definition of New Building Commissioning (NBCx) , Scope and Purpose of NBCx and Phases of NBCx

03

Pre-Design Phase- NCxA

It is important to start the commissioning process in the pre-design phase.

04

Design Phase- NCxA

During the design phase the project design and details are further developed and organized for the construction documents. These documents must be based on the design team's application of the OPR.

05

Construction Phase- NCxA

In the construction phase, the commissioning process transitions from planning to application and is active during the entire construction phase. During pre-construction, the commissioning schedules are developed and integrated into the construction schedules.

06

Occupancy and Operations Phase - NCxA

At project substantial completion and after conducting operations and maintenance training by the design team (if applicable), contractors, and suppliers, the Owner assumes operational responsibilities for the facility or project.

Course Outline +

07

Commissioning Challenges And Emerging Issue

Today's challenges across the building industry are the precursors of tomorrow's solutions

08

Summary and Resources

New construction commissioning has matured as an industry practice. Codes, standards, guidelines, protocols and certifications have been created to define and clarify the commissioning process.

Who We Are



Beyond Smart Cities is the world's first marketplace for green technology. It connects millions of sustainability experts, green building experts, energy experts and commissioning experts with independent talent from all over the world.

Our mission is to build and support a global community of experts with the highest standards of professional practise in sustainability, green building, energy, commissioning and managing GHG emissions.

What We Do



Our aim is to assist the building commissioning sector and advocate for commissioning professionals who assure the best risk management, quality assurance, and resilience in new and ageing structures. We support building commissioning to create functioning buildings, establish best practises, shape industry regulations and standards, and provide a wide range of education and training.



Online specialist courses taught by the world's leading experts. Empowering each specialist for success.

Whether you're a commissioning provider or a building industry stakeholder, we have online courses that will help you start, expand, or refresh your knowledge of the commissioning process and technical applications.

Question Bank questions are multiple-choice. 500+ simulated questions can help students pass the exam. The latest CCP, ACP, BCxP, CxA and CBCP tests are simulation-compatible.



Resources

- Building Commissioning Handbook, third edition (2017): Building Commissioning Association/APPA: Chapter 4, EBCx and Appendix 1-1, “How to Hire a Commissioning Team”
- ASHRAE Standard 202-2018: Commissioning Process for Buildings and Systems ASHRAE Guideline 0.2-2015: Commissioning Process for Existing Building Systems and Assemblies
- ASHRAE Guideline 1.2-2019: Technical Requirements for the Commissioning Process for Existing HVAC&R Systems and Assemblies
- ASHRAE/BCxA Commissioning Stakeholders Guide (including QBS section)



THANK YOU

LEARN.BEYONDSMARTCITIES.IN