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**CERTIFIED COMMISSIONING TECHNICIAN**

**CXT REFRESHER**

**ONLINE TRAINING BY KRISHNAJI PAWAR**

LEED AP(BD+C),GSAS CGP,GCP,ISO 14001

**KNOWLEDGE IS POWER**

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**5L3**

# CxT Responsibilities by Phase - Acceptance

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# CERTIFIED COMMISSIONING TECHNICIAN CXT REFRESHER

The acceptance phase of a project involves verifying the systems and components installed in a facility for their functionality, performance, and compliance with design specifications. The Commissioning Technician (CxT) plays a crucial role in this phase, ensuring that the systems operate as intended before the facility is handed over to the owner or end-user. The CxT's responsibilities include monitoring temperature control systems, verifying installer performance, coordinating the Test and Balance (TAB) process, executing Functional Performance Tests (FPTs), facilitating operations and maintenance (O&M) training, tracking Requests for Information (RFIs), Change Orders (COs), and Submittal Items (SIs), and maintaining jurisdiction (AHJ) inspection reports.

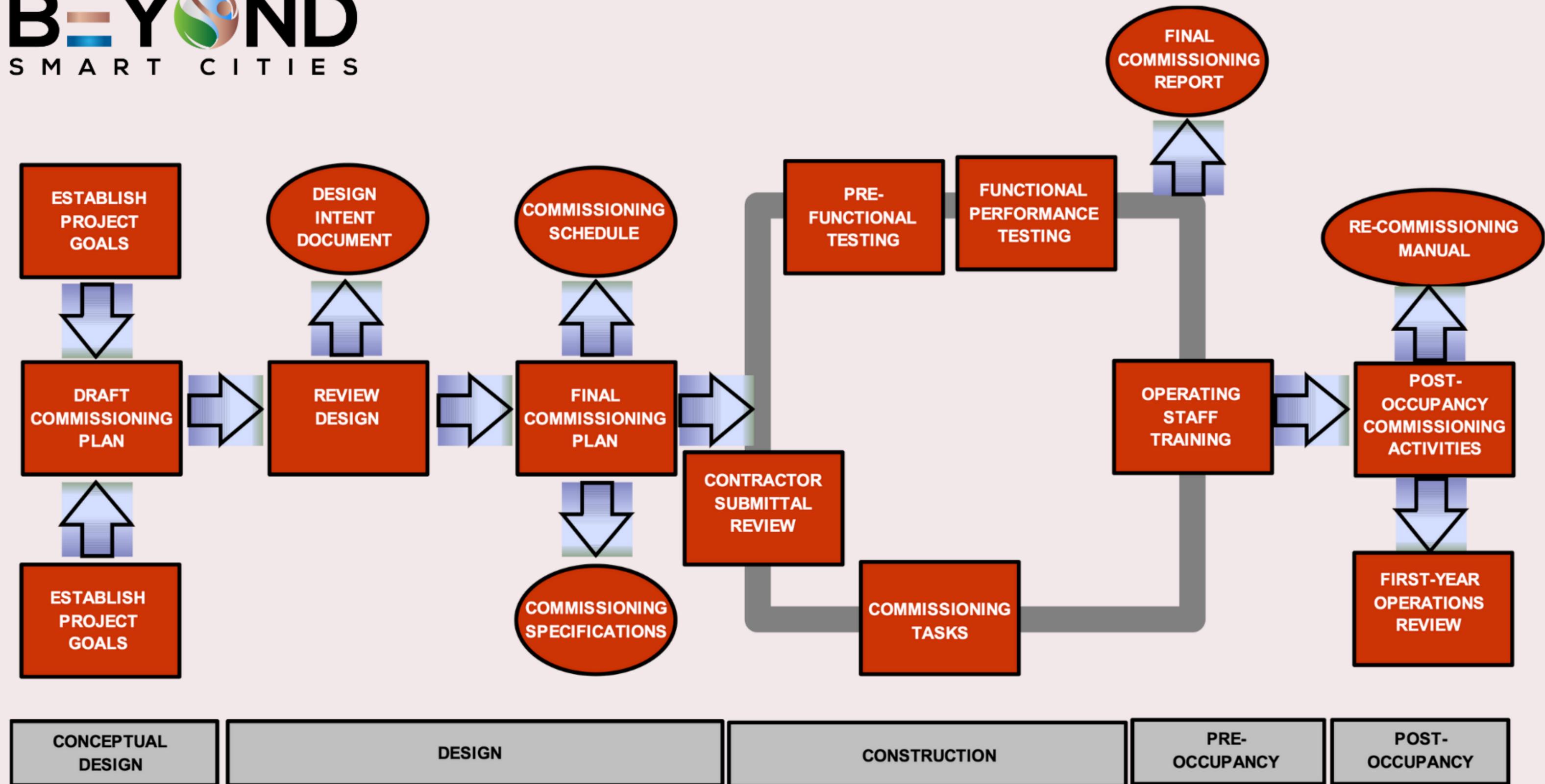
# Learning Objectives

- **Course Overview and Introduction**
- **CxT's Technical, Communication, and Commissioning Skills**
- **HVAC Systems - Why is CxA of buildings necessary?**
- **Basics of field TAB , HVAC systems - Trained on jobsite safety and PPE**
- **CxT Responsibilities by Phase - Acceptance**
- **Pre-function tests include sheet checking and installation tests.**
- **Point-to-point calibrate MEP and sensor systems.**
- **Verify TAB pre-functional tests and CxT responsibilities**



## INTRODUCTION

- The Commissioning Technician (CxT) plays a crucial role in the acceptance phase of a project, ensuring systems and components operate as intended.
- Monitoring and Verification Responsibilities:
- Temperature controls and point-to-point verification: The CxT monitors temperature control systems, ensuring they function correctly according to design specifications.
- Installer Performance Verification: The CxT verifies installer performance, assessing the quality of installation work against established standards and specifications.
- Test and Balance (TAB) Coordination: The CxT assists the TAB contractor in integrating their activities with ongoing site developments.
- Functional Performance Tests (FPTs): The CxT collaborates with the Commissioning Authority (CxA) to develop and distribute FPTs.



## COMMISSIONING TECHNICIAN RESPONSIBILITIES IN THE ACCEPTANCE PHASE +

- Execution of FPTs: The CxT works alongside the CxA and the commissioning team to validate system performance.
- Re-testing Procedures: If initial FPT results are unsatisfactory, the CxT reorganizes the commissioning team to conduct appropriate re-testing procedures.
- Operations and Maintenance (O&M) training: The CxT facilitates O&M training to ensure the owner's staff understands the operation and maintenance of the systems installed.
- Tracking Requests for Information (RFIs), Change Orders



# COMMISSIONING TECHNICIAN RESPONSIBILITIES IN THE ACCEPTANCE PHASE +

- (COs), and Submittal Items (SIs): The CxT tracks RFIs, COs, and SIs throughout the acceptance phase.
- Jurisdictional Authority Inspection Reports: The CxT maintains jurisdiction (AHJ) inspection reports, ensuring compliance with local regulations and codes.
- The collaborative nature of the commissioning team, particularly between the CxT and the CxA, is essential for achieving a successful project outcome.





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# THANK YOU

