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S M A R T C I T I E S

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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BEYOND
SMART CITIES

MODULE
5L2

CxT Responsibilities by Phase - Construction

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CERTIFIED COMMISSIONING TECHNICIAN CXT REFRESHER

During the construction phase, the CxT engages in pre-construction meetings, which establish a foundational understanding of the commissioning process among all stakeholders, particularly installing contractors. They collaborate with the CxA to communicate the roles and responsibilities of each team member, providing tempo and direction.

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 - Construction
- 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



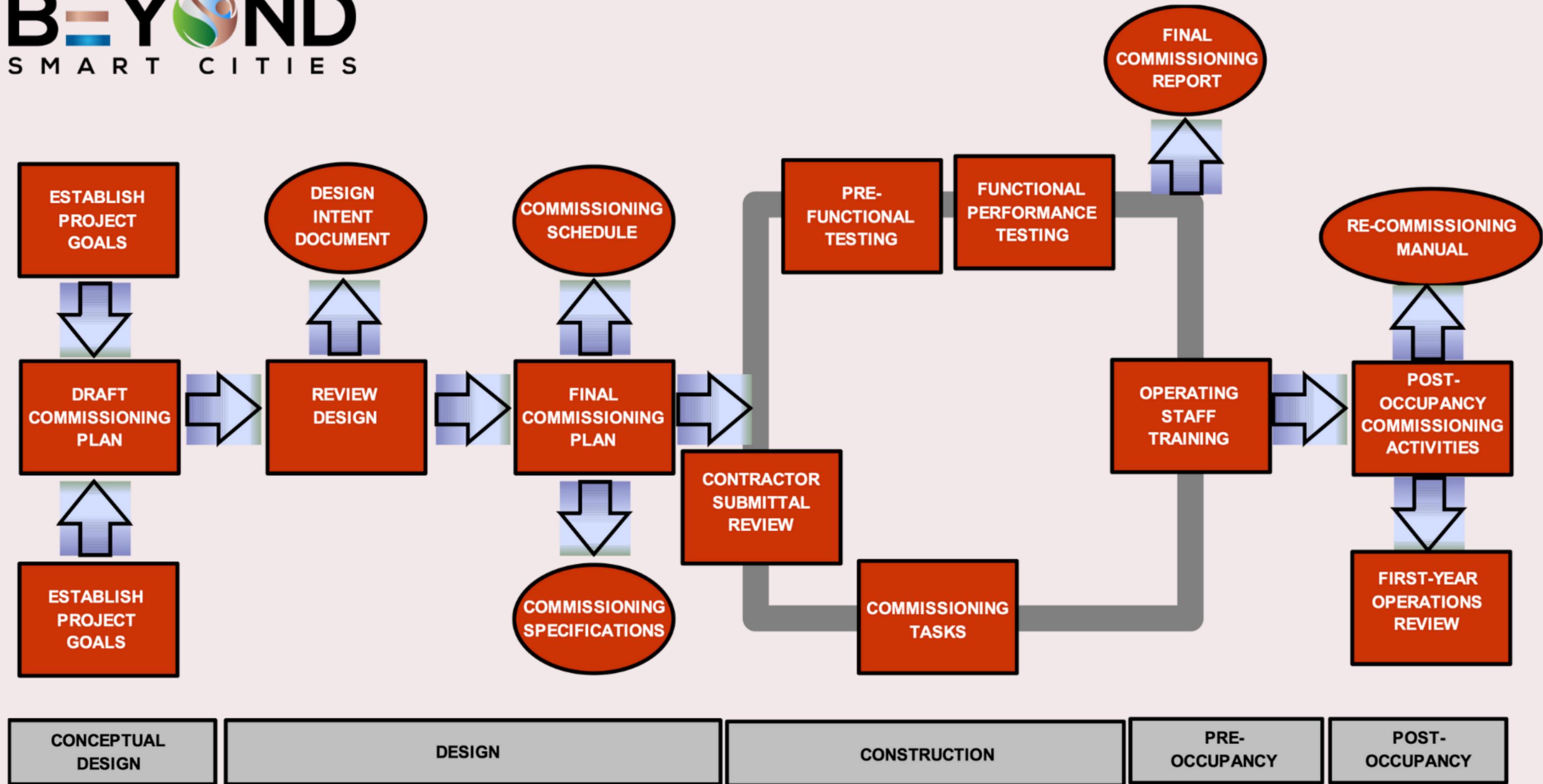
INTRODUCTION

Pre-Construction Phase

- The CxT participates in the pre-construction meeting to establish a foundational understanding of the commissioning process among all stakeholders.
- The CxT collaborates with the Commissioning Authority (CxA) to communicate the roles and responsibilities of each team member.

Coordination and Progress Meetings

- The CxT actively participates in coordination and progress meetings, documenting commissioning-related discussions and providing detailed notes.
- The CxT serves as the liaison between the construction team and the CxA, ensuring all parties remain informed and aligned.



DOCUMENTATION AND CHECKLISTS



- The CxT generates, updates, reviews, and distributes critical documentation, including System Verification Checklists (SVC), Functional Performance Tests (FPT), and Resolution Tracking Forms (RTF).
- These documents ensure the commissioning plan's performance standards and adequate testing of all systems.

MONITORING INSTALLATION AND START-UP PROCESSES

- The CxT monitors the installation of HVAC controls and the testing, adjusting, and balancing (TAB) of systems.
- The CxT plays an observational role during the start-up of commissioned systems, ensuring they adhere to project specifications and industry standards.



VERIFICATION OF COMPLIANCE

- The CxT monitors the completion of SVCs and reports on this progress during coordination meetings.
- The CxT reviews Operation and Maintenance (O&M) Manuals and facilitates O&M training sessions for facility staff.

Tracking Modifications

The CxT tracks Requests for Information (RFI), Change Orders (CO), and Supplemental Instructions (SI) throughout the construction phase to ensure that both installation and testing protocols adequately address any modifications to the project.



CONTINUOUS COMMUNICATION AND ADVOCACY

- The CxT serves as a catalyst, challenging the project team to fulfill their specified roles and responsibilities within the commissioning team.
- The CxT maintains an open line of communication with the CxA to ensure consistency and continuity in the delivery of commissioning services.





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THANK YOU

