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BEYOND SMART CITIES



CERTIFIED COMMISSIONING TECHNICIAN

CXT REFRESHER

ONLINE TRAINING BY KRISHNAJI PAWAR

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

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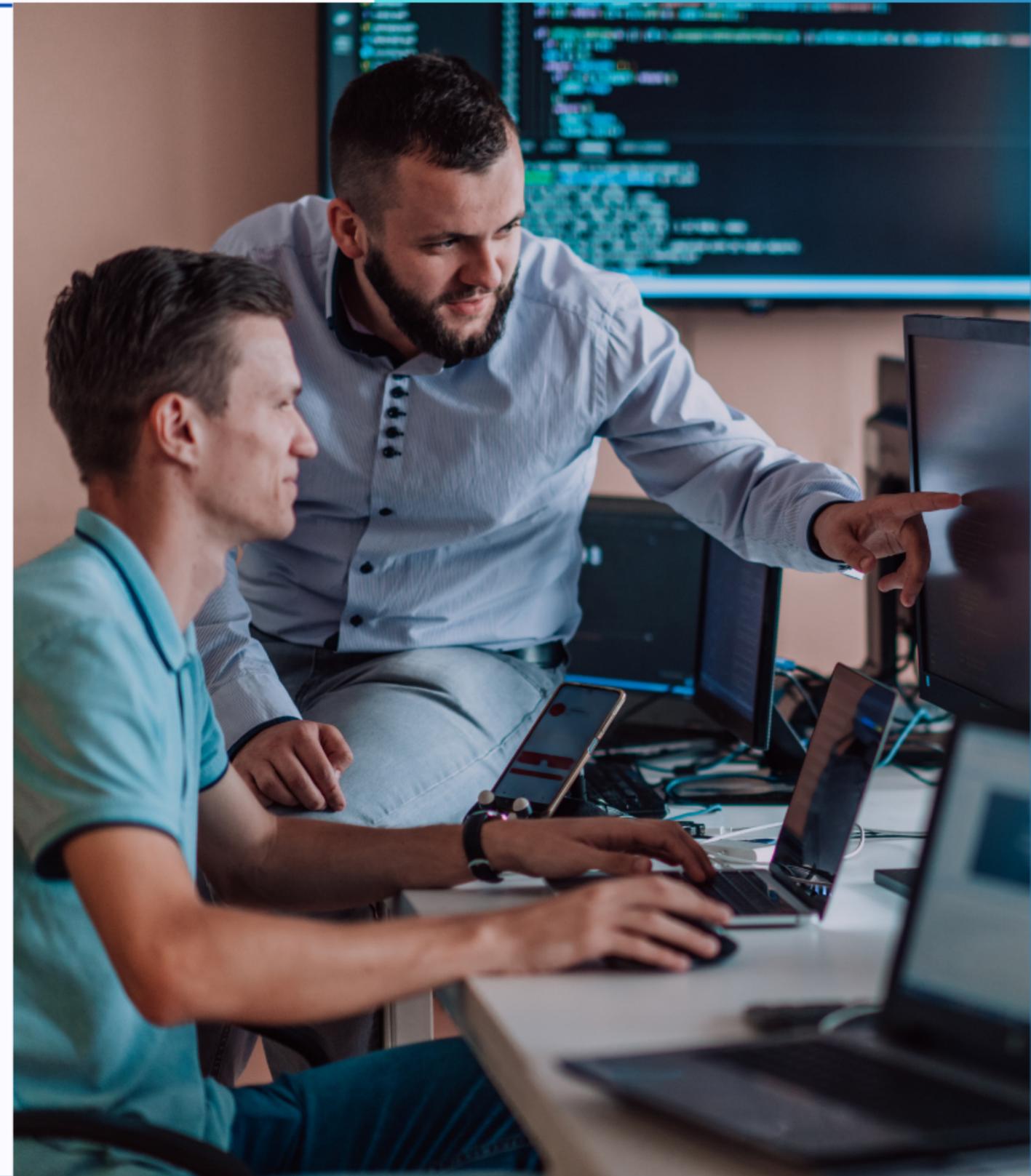
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Verify TAB Pre- Functional Tests and CxT Responsibilities

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CERTIFIED COMMISSIONING TECHNICIAN CXT REFRESHER

The commissioning technician is responsible for witnessing TAB verification testing conducted by certified TAB professionals, ensuring that the testing procedures adhere to industry standards and project specifications. They may also oversee the Pitot traverse, a critical method used in air testing, which involves using a Pitot tube to measure static and dynamic pressures at different points within a duct system.

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 - Post Acceptance
- Perform installation pre-functional tests
- Perform plumbing system tests and witness the duct air leakage test (DALT).
- Verify TAB pre-functional tests and CxT responsibilities

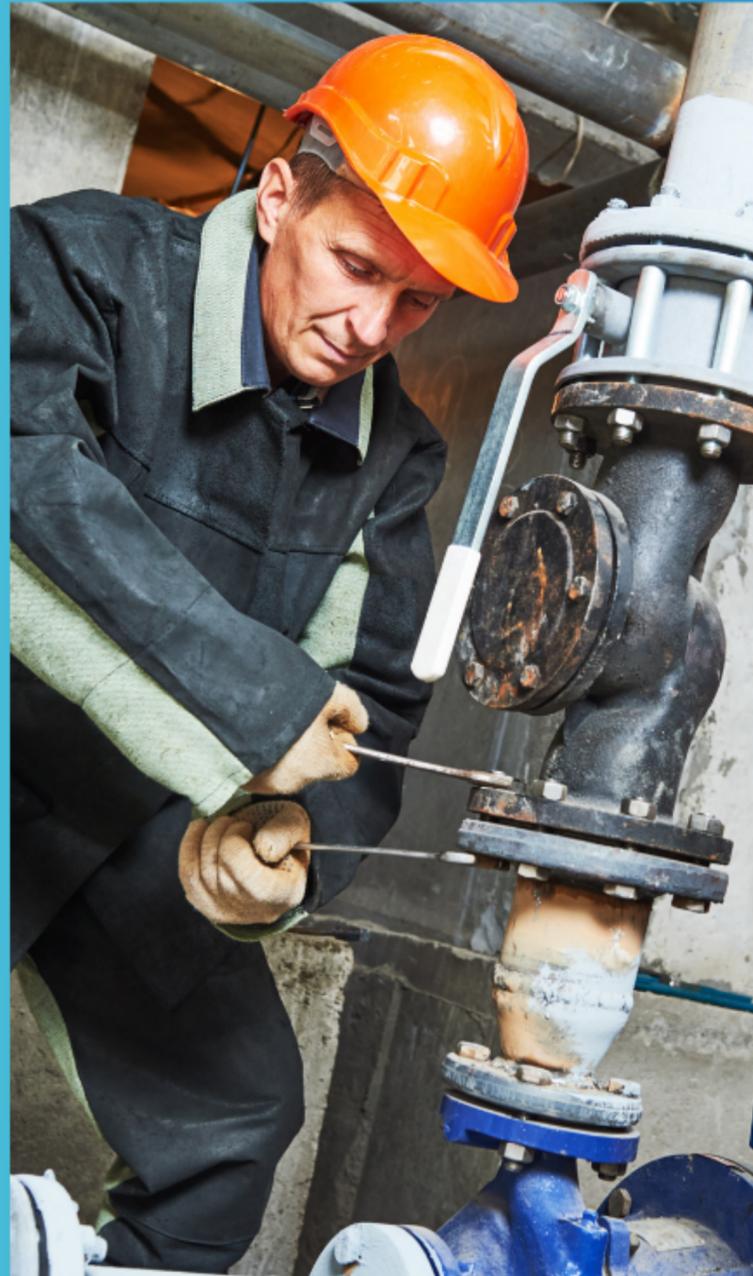


INTRODUCTION

- TAB is a critical phase in the commissioning process of HVAC systems.
- Pre-functional tests are preliminary assessments to verify all components are installed correctly.
- Commissioning technicians witness TAB verification testing of air and water systems under the guidance of a Commissioning Provider.

RESPONSIBILITIES OF THE COMMISSIONING TECHNICIAN

- Witnessing TAB Verification Testing: The technician observes TAB verification tests conducted by certified TAB professionals.
- Conducting Pitot Traverse: The technician oversees the Pitot traverse, a method used in air testing to measure static and dynamic pressures at different points within a duct system.
- Measuring with a Flow Hood: The technician may use a flow hood to measure airflow directly at the supply outlets.
- Data Comparison and Compliance Confirmation: The technician compares reported data from TAB testing to field-verified data.
- Steps: Data Compilation, Analysis, and Repeatability Confirmation: The technician gathers all test results, analyzes the collected data for discrepancies, and confirms consistency across multiple measurements.



CONCLUSION

- The responsibilities of a commissioning technician in TAB verification and testing are multifaceted and require a thorough understanding of HVAC principles, testing methodologies, and data analysis.
- Their work contributes to the efficiency and effectiveness of building systems, ensuring they meet occupant comfort and energy performance standards.





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