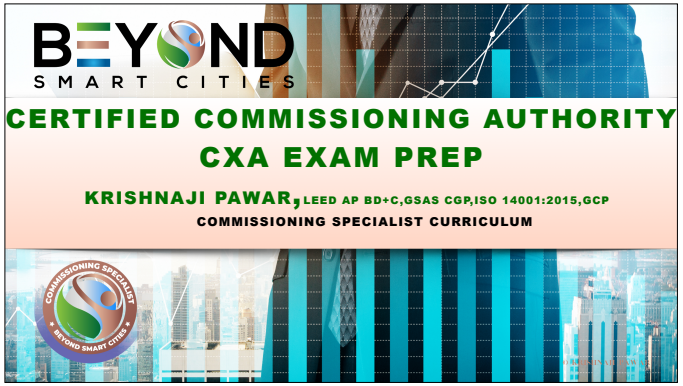
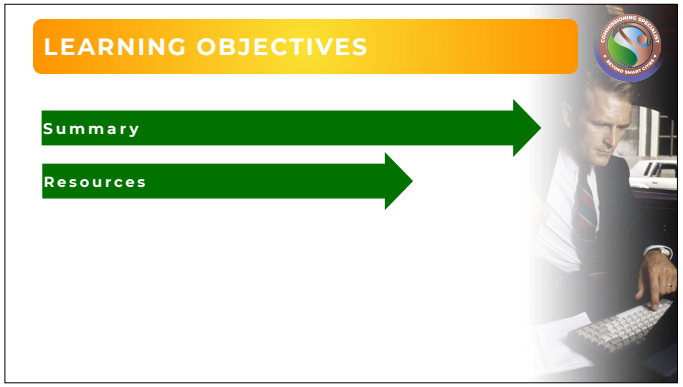

BEYOND
SMART CITIES
CERTIFIED COMMISSIONING AUTHORITY
CXA EXAM PREP
KRISHNAJI PAWAR, LEED AP BD+C,GSAS CGP,ISO 14001:2015,GCP
COMMISSIONING SPECIALIST CURRICULUM


GREEN BUILDING COMMISSIONING
SUMMARY AND RESOURCES
KRISHNAJI PAWAR, LEED AP BD+C,GSAS CGP,ISO 14001:2015,GCP
COMMISSIONING SPECIALIST CURRICULUM


LEARNING OBJECTIVES
Summary
Resources

## SUMMARY



- Why Pursue a Certified Commissioning Authority - CxA Designation ?
- Preparing for the CxA Examination
- Managing Commissioning Projects
- Preparing Commissioning Documentation
- Conducting Commissioning Activities
- Managing Training Activities
- Completing Warranty Phase Activities
- Conducting Ongoing Commissioning
- Understanding Existing Building CxP
- Commissioning High Performance Green Buildings

## KEY TAKEAWAYS

- Learn About Commissioning Basics & Managing Commissioning Projects
- Understand Commissioning and its Terminologies
- Learn Preparing Commissioning Documentation
- Lean about Managing Training Activities & Ongoing Commissioning
- Understand Essential Attributes & Existing Building Commissioning
- Lean about Commissioning  High Performance Green Buildings

Knowledge prior to the Final CxA - Exam
Get CERTIFIED COMMISSIONING AUTHORITY - CxA Credentials in your CV

## ACG'S CXA CERTIFICATION PROGRAM

- The AABC Commissioning Group (ACG) is a non-profit group that helps independent third-party commissioning professionals advance their careers.
- The AABC Commissioning Group (ACG) is a group of commissioning companies that came together in 2005. It is a non-profit group whose main goals are independence, certification, and training and education. Companies that meet the requirements can join a group of professionals who are committed to giving the
- The ideal commissioning provider-building owner contract involves an independent, qualified commissioning authority under contract to the owner. To guarantee the owner gets the building performance they anticipate, a third party consultant adds impartiality and practical knowledge. ACG members are autonomous.

## SUMMARY

- Managing Commissioning Project,
- Pre-Design,Design,Construction and Occupancy Phase Commissioning
- Preparing Commissioning Documentation,
- Commissioning Specifications
- Conducting Commissioning Activities,
- Managing Training Activities,
- Completing Warranty Phase Activities,
- Conducting Ongoing Commissioning,
- Existing Building Commissioning,
- CxA Essential Attributes,
- Retro-Commissioning,
- Commissioning High Performance Green Buildings and Sample Commissioning Documents




## RESOURCES

The U.S. Green Building Council (USGBC), co-founded by Mike Italiano, David Gottfried and Rick Fedrizzi in 1993, is a private 501(c)3, membership-based non-profit organization that promotes sustainability in building design, construction, and operation.

https://www.usgbc.org

Beyond Smart Cities is the world's 1st Green Technology Marketplace, connecting millions of Sustainability Specialists, Green Building Specialists, Energy Specialists, Commissioning Specialists, Environment Specialists, Health & Safety Specialists, Fire Safety Specialists, Climate Change Specialists & Green Products/Technology Manufacturers with independent talent around the globe.

https://www.beyondsmartcities.in


"Building Commissioning." WBDG - Whole Building Design Guide, 12 Nov. 2016, https://www. wbdg.org/building-commissioning.

Building Commissioning Handbook, third edition (2018): Building Commissioning Association/APPA

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

ACG Commissioning Guideline (pdf)
Appendix A Sample Request for Proposal for Commissioning Services (pdf)
Appendix B Sample Specification (Contractor Responsibilities) (pdf)
Appendix C Sample Format for System Verification and Start-Up Checklists (Word doc)
Appendix D Sample Checklists for Functional Performance Tests (Word doc)https://www.commissioning.org/building-systems-commissioning-guideline/

Beyond Smart Cities -The Green Technology Marketplace https://knowledgelab.beyondsmartcities.in/index.php/category/guides/