Acceptance Test Technician Certification Providers
Building Better Technicians for Better Buildings Today

California Commissioning Collaborative

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From The Dawn of Acceptance Testing
2005 Standards and the 2013 Standards

When is Acceptance Testing required?
From The Dawn of Acceptance Testing
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When is Acceptance Testing required?

Commissioning Requirements (Section 120.8)
- Owner Project Requirements
- Basis of Design
From The Dawn of Acceptance Testing
2005 Standards and the 2013 Standards

When is Acceptance Testing required?

Certificate of Compliance (Section 10-103(a)(1))
- Design Review Kickoff Certificate(s)
- Construction Document Design Review Checklist
- Commissioning Measures & NRCC Forms
When is Acceptance Testing required?

- Application for Building Permit (Section 10-103(a)(2))
  - All Required NRCC forms
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2005 Standards and the 2013 Standards

When is Acceptance Testing required?

OPR

BOD

App

Comp

Permit Issued
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2005 Standards and the 2013 Standards

When is Acceptance Testing required?

Certificate of Installation (Section 10-103(a)(3))
• All Required NRCI forms
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2005 Standards and the 2013 Standards

When is Acceptance Testing required?

Certificate of Acceptance (Section 10-103(a)(4))
- All Required Acceptance Tests NRCA Forms
- ATTCP Regulations Lighting Controls and Mechanical Systems NRCA Forms
When is Acceptance Testing required?

Certificate of Verification (Section 10-103(a)(5))
- Home Energy Rating System:
  - Duct Leakage,
  - DHW Distribution.
From The Dawn of Acceptance Testing
2005 Standards and the 2013 Standards

When is Acceptance Testing required?

OPR     BOD
App     Inst     Verif
Comp    Permit Issued
Acpt    Final Inspections
From The Dawn of Acceptance Testing
2005 Standards and the 2013 Standards

When is Acceptance Testing required?

- OPR
- BOD
- App
- Inst
- Verif
- Comp
- Permit Issued
- Acpt
- Final Inspections
- Certificate of Occupancy Issued
From The Dawn of Acceptance Testing
2005 Standards and the 2013 Standards

When is Acceptance Testing required?

Commissioning Documentation and Training
(Section 120.8(h))
System Manuals and Systems operations training
From The Dawn of Acceptance Testing
2005 Standards and the 2013 Standards

When is Acceptance Testing required?

Commissioning Report (Section 120.8(i))
A complete report of processes and activities for the building owner
Enter the ATTCP
2013 Title 24, Part 1, Section 10-103-A and –B

Acceptance Test Technician Certification Provider

Train, certify and oversee technicians to perform acceptance tests required by the Building Energy Efficiency Standards.

Lighting Controls
- Standards Section 130.4(a)
- Nonresidential Appendix NA7.6 through NA 7.9

Mechanical
- Standards Section 120.5
- Nonresidential Appendix NA7.5.1 through NA7.5.16
- Energy Management Control System
Who are the ATTCPs
2013 Title 24, Part 1, Section 10-103-A and –B

Lighting Controls ATTCP
California Advanced Lighting Controls Training Program (CALCTP)
National Lighting Contractors Association of America (NLCAA)

Mechanical ATTCP
National Energy Management Institute Committee (NEMIC)
National Environmental Balancing Bureau (NEBB)
Note that NEBB is Interim-Approved
(ending June 30, 2015)
Who are the ATTCPs
2013 Title 24, Part 1, Section 10-103-A and –B

Lighting Controls ATTCP
Threshold Requirements have been met (Section 10-103-A(b))
Only Certified ATTs can perform Lighting Controls Acceptance Testing

Mechanical ATTCP
Threshold Requirements have NOT been met (Section 10-103-B(b))
Any technician can perform Mechanical Acceptance Testing
Building a Better Technician through the ATTCP
2013 Title 24. Part 1. Section 10-103-A and –B

Training

Testing

Oversight
Building a Better Technician through the ATTCP
2013 Title 24. Part 1. Section 10-103-A and –B

Training
Prequalification Requirements

Testing
Required Curricula for Classroom Training
Hands-On Training or Laboratory Training
Recertification

Oversight
Building a Better Technician through the ATTCP
2013 Title 24. Part 1. Section 10-103-A and –B

Training

Both written and practical testing is required.
Must demonstrate the applicant’s competence in all specified subject areas.
Results are maintained for five years.

Testing

Oversight
Building a Better Technician through the ATTCP

2013 Title 24. Part 1. Section 10-103-A and –B

Training
- Complaint Procedures
- Revocation Procedures

Testing
- Quality Assurance Program
- Public Notification of Certification Status

Oversight
Looking Forward or Speculation
i.e., There are no plans to do any of this!

• Expand the existing ATTCP Program to include Certificates of Installation
• Create a Certificate Program for
  – Commissioning
  – Covered Processes
  – Solar Ready, Photovoltaic and Thermal Heating

Ultimately leading to a true Nonresidential Data Registry